

# High School Planning Guide & Course Descriptions

Lawrence High School

Lawrence Free State High School





This course description book describes courses of study and enrollment procedures for students in grades 9-12. The purpose is to assist students and their parents/guardians in planning a high school program and choosing specific courses.

Please use this book as a resource for enrollment and keep it for future reference. There are many choices to be made at enrollment time, and the staff is prepared to discuss enrollment with students and their parents. The administrative and counseling office personnel are ready to assist in interpreting the provisions set forth and in suggesting how individual needs and interests can be accommodated. If assistance is needed, please visit with a guidance counselor in the student services office.

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## Enrollment

Enrollment for a new school year is an exciting and important time for students and their families. This handbook describes courses and enrollment procedures for students in grades 9-12. Its purpose is to assist students and their parents/guardians in choosing specific courses. The procedures outlined below are designed to ensure successful completion of the enrollment process.

## Enrollment Guidelines

### Freshmen

- Must enroll in seven classes per semester
- Must enroll in English 9 or Adv. English
- Must enroll in a Mathematics course
- Must enroll in Biology, Adv. Biology or Science 9
- Must enroll in Civics and the US Constitution
- Must enroll in 1 semester of Physical Education
- Must enroll in 1 semester of Health 9
- Will need to choose 5 semesters of electives

### Sophomores

- Must enroll in seven classes per semester
- Must enroll in English 10 or Adv. English 10 first semester
- Must enroll in Appreciation of Literature or Epic Tradition second semester
- Must enroll in a Mathematics course
- Must enroll in a Science course
- Must enroll in Modern World History or Advanced Placement European History
- Will need to choose 6 semesters of electives

### Juniors

- Must enroll in seven classes per semester
- Must enroll in two semesters of English/Language Arts
- Must enroll in a Mathematics course
- Must enroll in two semesters of Science
- Must enroll in Survey of US History I & II or Advanced Placement US History I & II
- Will need to choose 6 semesters of electives

### Seniors

- Must enroll in seven classes per semester
- Must enroll in two semesters of English/Language Arts (one course must be senior-only English)
- Must enroll in one semester of US Government
- Will need to choose 11 semesters of electives
- Students planning to graduate early must see their counselor for details before enrolling for the senior year

### Electives (Grades 9—12)

- Students must enroll in two semesters (1 year) of Fine Arts electives (see page 3) in high school
- Students must enroll in one semester of a Social Studies elective (see page 25) in high school

## Enrollment Instructions

Each student should read the course descriptions in this book, which explain course requirements, semester and full-year courses, and all course prerequisites; then list on the enrollment sheet the course numbers for those classes he/she selects for each semester. Full-year classes should be listed twice, semester courses should be listed once.

Once enrollment choices are compiled, staffing decisions and planning for the master schedule begins; therefore, decisions made at enrollment time need to be made with care. Once courses are scheduled changes are very difficult to make. Alternate choices are used if the electives chosen cannot be scheduled. **In order for a particular elective course to be offered, a minimum enrollment figure must be met.**

*Plan for the future, because that's where  
you are going to spend the rest of your life.  
– Mark Twain*

## Graduation Requirements

Graduation requirements for USD 497 include 23 credits or Carnegie units earned during the 9th through 12th grades. A half credit is issued for the successful completion of one semester (1/2 school year) of a course. Specific courses may be required within each category.

USD 497 Basic Graduation Requirements		Personal Plan of Study
<b>English/Language Arts</b>		
4 years/4 credits (Mandatory in 9, 10, 11 & 12)		See pages 8-13 for course descriptions
<b>Grade 9</b>	<input type="checkbox"/> English 9 or Adv. English 9	
<b>Grade 10</b>	<input type="checkbox"/> English 10 or Adv. English 10 (sem)	
	<input type="checkbox"/> Appreciation of Literature (sem) or Epic Tradition (sem)	
<b>Grade 11</b>	<input type="checkbox"/> American Literature I or Adv. American Literature (sem)	
	<input type="checkbox"/> English Elective (sem)	
<b>Grade 12</b>	<input type="checkbox"/> English Elective (2 semesters or 1 year)	
<b>Mathematics</b>		
3 years/3 credits (Mandatory in 9, 10 & 11)		See pages 14-17 for course descriptions
<b>Grade 9</b>	<input type="checkbox"/> Geometry, Algebra, Introduction to Algebra or Adv. Algebra II	
<b>Grade 10</b>	<input type="checkbox"/> Algebra II, Adv. Algebra II, Geometry or Other Math Course	
<b>Grade 11</b>	<input type="checkbox"/> Analysis, Pre-Calculus or Other Math Course	
<b>Science</b>		
3 years/3 credits (Mandatory in 9, 10 & 11)		See pages 18-22 for course descriptions
<b>Grade 9</b>	<input type="checkbox"/> Biology, Adv. Biology or Science 9	
<b>Grade 10</b>	<input type="checkbox"/> Chemistry, Physics or Other Science Elective	
<b>Grade 11</b>	<input type="checkbox"/> Chemistry, Physics or Other Science Elective	
<b>Social Studies</b>		
3.5 years/3.5 credits (Mandatory in 9, 10, 11 & 12)		See pages 23-26 for course descriptions
<b>Grade 9</b>	<input type="checkbox"/> Civics and the US Constitution (sem)	
<b>Grade 10</b>	<input type="checkbox"/> Modern World History (year) or	
	<input type="checkbox"/> AP European History (year)	
<b>Grade 11</b>	<input type="checkbox"/> American History I & II (year) or AP US History I & II (year)	
<b>Grade 12</b>	<input type="checkbox"/> US Government (sem) or AP Government & Politics (year)	
<b>Grade 9—12</b>	<input type="checkbox"/> Social Studies Elective (sem)	
<b>Physical Education and Health</b>		
1 year/1 credit (Mandatory in 9)		See pages 27-28 for course descriptions
<b>Grade 9</b>	<input type="checkbox"/> Health 9	
	<input type="checkbox"/> Physical Education	
<b>Fine Arts</b>		
1 year/1 credit		See page 4 for Fine Arts credit courses
<b>Grade 9—12</b>	See page 5 for Fine Arts credit courses	
<b>Electives</b>		
7.5 credits		

# Graduation Requirements

## Fine Arts 1 year / 1 credits

	9	10	11	12	Term	Page
<b>Visual Arts</b>						
Exploring Art	●	●	●	●	Sem	
Ceramics/Sculpture	●	●	●	●	Sem	
Ceramics/Sculpture Studio		●	●	●	Sem	
Draw ing	●	●	●	●	Sem	
Draw ing and Painting Studio		●	●	●	Sem	
Jew elry/Art Metals	●	●	●	●	Sem	
Jew elry/Art Metals Studio		●	●	●	Sem	
Photography	●	●	●	●	Sem	
Photography Studio		●	●	●	Sem	
Digital Imaging	●	●	●	●	Sem	
Digital Imaging Studio		●	●	●	Sem	
AP Studio Art: Draw ing			●	●	Sem	
AP Studio Art: 2-D Design			●	●	Sem	
AP Studio Art: 3-D Design			●	●	Sem	
Humanities			●	●	Sem	
Portfolio			●	●	Sem	
<b>Music</b>						
Concert Band	●				Yr	
Symphonic Band		●	●	●	Yr	
Wind Ensemble		●	●	●	Yr	
Jazz Band I	●	●	●	●	Sem	
Jazz Band II	●	●	●	●	Sem	
Chorus	●	●			Yr	
Freshman/Sophomore Women's Cho	●	●			Yr	
Concert Choir/Concert Chorale			●	●	Yr	
Jr/Sr Women's Choir			●	●	Yr	
A Cappella Choir/Chamber Choir			●	●	Yr	
Freshman Orchestra	●				Yr	
Concert Orchestra		●	●	●	Yr	
Symphonic Orchestra		●	●	●	Yr	
Music Theory	●	●	●	●	Sem	
Music Theory/Jazz Improvisation	●	●	●	●	Sem	
AP Music Theory			●	●	Yr	
<b>Theater</b>						
Intro to Theater	●	●	●	●	Sem	
Acting I	●	●	●	●	Sem	
Issue Theater		●	●	●	Sem	
Stagecraft		●	●	●	Sem	
Performance Contract		●	●	●	Sem	
Technical Theater Contract		●	●	●	Sem	
Acting II			●	●	Sem	
Acting III/Directing			●	●	Sem	
<b>Dance</b>						
Dance	●	●	●	●	Sem	

## Fine Arts, Cont.

	9	10	11	12	Term	Page
<b>Communication Arts</b>						
Broadcast Media I	●	●	●	●	Sem	
Broadcast Media II		●	●	●	Sem	
Film Media I	●	●	●	●	Sem	
Film Media II		●	●	●	Sem	
Film Media III			●	●	Sem	
Debate I	●	●	●	●	Sem	
Debate II & III			●	●	Sem	
Forensics	●	●	●	●	Sem	
Journalism/New spaper	●	●	●	●	Sem/Yr	
Journalism/Yearbook	●	●	●	●	Sem/Yr	
<b>Career and Technical Education</b>						
Architectural Design I & II		●	●	●	Year	
CAD/Drafting II	●	●	●	●	Sem	
CAD/Drafting III		●	●	●	Sem	
Interiors		●	●	●	Sem	
Textiles and Fashion		●	●	●	Sem	

**Some courses may count in more than one category. A student may not use the same course to count in more than one area.**

## College Entrance Recommendations

Students who plan to enter a two-year or four-year college should check the admission requirements at the institutions in which they are interested. Students should be sure they are using the most recent information available.

Most colleges require a minimum of a “C” average. Highly competitive colleges require a “B” average or better for admission. A record of good behavior and cooperation with school staff and classmates is expected and necessary in order to receive satisfactory recommendations for college.

### Kansas Board of Regents Qualified Admissions Classes of 2012—2014

Students who will graduate in 2012, 2013 and 2014 and plan to attend one of the Kansas Regents Universities (University of Kansas, Kansas State University, Wichita State University, Fort Hays State University, Emporia State University and Pittsburg State University) must graduate from high school and meet **one** of the following requirements to qualify for admission:

- Achieve an ACT composite score of 21 or above; or an SAT score of 980 or above

**OR**

- Rank in the top one-third of one's high school's graduating class

**OR**

- Complete the following Qualified Admissions Curriculum with at least a 2.0 grade point average (GPA) on a 4.0 scale
  - 4 units of English (not all English courses qualify for Kansas Board of Regents English credits—see page 8 for details)
  - 3 units of Natural Science ( including Biology, Advanced Biology, Chemistry, Physics or Principles of Technology and other courses—see page 18 for details) Note: One unit must be Chemistry or Physics
  - 3 units of Math at high school (selected from Algebra I, Geometry, Algebra II or any course with Algebra II as a prerequisite—see page 14 for details) Note: Mathematics courses completed prior to 9th grade do not count toward the Qualified Admissions math requirement.
  - 3 units of Social Studies (USD 497 required courses for graduation meet this requirement)

### Exceptions & Kansas Scholars Curriculum

Students in any class may also qualify by completing 24 credit hours with a GPA of 2.0 or better at a community college or non-Regents university or applying for the 10% exceptions window.

The **Kansas Scholars Curriculum**, which one of the requirements Kansas residents must meet in order to receive State Scholar designation during the Senior Year of high, is the Pre-College Curriculum with 2 units of one World Language within the elective choices.

*For more information, see your school counselor  
or  
visit the Board of Regents website at [www.kansasregents.org](http://www.kansasregents.org)*

### Kansas Board of Regents Qualified Admissions Class of 2015

Students who graduate in 2015 and plan to attend one of the Kansas Regents Universities (University of Kansas, Kansas State University, Wichita State University, Fort Hays State University, Emporia State University and Pittsburg State University) must graduate from high school meet **one** of the following requirements **and** complete the precollege or Kansas Scholars curriculum (see below) with at least a 2.0 cumulative Grade Point Average (GPA) to qualify for admission:

- Achieve an ACT composite score of 21 or above;

**OR**

- Achieve a combined SAT score of 980 or higher on math and critical reading

**OR**

- Rank in the top one-third of one's high school's graduating class

**AND**

- Complete the following Qualified Admissions Curriculum with at least a 2.0 grade point average (GPA) on a 4.0 scale

### Kansas Board of Regents Pre-College Curriculum

- 4 units of English (not all English courses qualify for Kansas Board of Regents English credits—see page 8 for details)
- 3 units of Natural Science ( including Biology, Advanced Biology, Chemistry, Physics or Principles of Technology and other courses—see page 18 for details) Note: One unit must be Chemistry or Physics
- 3 units of Math in high school (selected from Algebra I, Geometry, Algebra II or any course with Algebra II as a prerequisite—see page 14 for details) and an ACT Mathematics score of 22

**OR**

4 units of Math in high school with one unit taken in the year the student graduates (selected from Algebra I, Geometry, Algebra II or any course with Algebra II as a prerequisite—see page 14 for details)

*NOTE: Mathematics courses completed prior to 9th grade do not count toward the Qualified Admissions math requirement.*

- 3 units of Social Studies (USD 497 required courses for graduation meet this requirement)
- 3 units of electives selected from: English, Math, Natural Science, Social Science, World Language, Personal Finance, Speech/Debate/Forensics, Journalism, Computer/Information Systems, Fine Arts and/or Career and Technical Education.

# NCAA Freshman Eligibility Standards

## Division I

If you want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses:
  - ✓ 4 years of English
  - ✓ 3 years of math (Algebra I or higher)
  - ✓ 2 years of natural or physical science (including one year of lab science if offered by your high school)
  - ✓ 1 extra year of English, math, or natural or physical science
  - ✓ 2 years of social science
  - ✓ 4 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy);
- Earn a minimum required grade-point average in your core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale.

## Division II

### Class of 2008 - 2013

If you enroll in a Division II college and want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 14 core courses:
  - ✓ 3 years of English
  - ✓ 2 years of math (Algebra 1 or higher)
  - ✓ 2 years of natural or physical science (including one year of lab science if offered by your high school)
  - ✓ 2 additional years of English, math, or natural or physical science
  - ✓ 2 years of social science
  - ✓ 3 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy);
- Earn a 2.000 grade-point average or better in your core courses; and
- Earn a combined SAT score of 820 or an ACT sum score of 68.

### 2013 and Later

If you enroll in a Division II college on or after August 1, 2013, and want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 14 core courses:
  - ✓ 3 years of English
  - ✓ 2 years of math (Algebra 1 or higher)
  - ✓ 2 years of natural or physical science (including one year of lab science if offered by your high school)
  - ✓ 3 additional years of English, math, or natural or physical science
  - ✓ 2 years of social science
  - ✓ 4 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy);
- Earn a 2.000 grade-point average or better in your core courses; and
- Earn a combined SAT score of 820 or an ACT sum score of 68.

## Graduation from High School

You must graduate from high school on schedule (in eight semesters) with your incoming ninth-grade class. If you graduate from high school in eight semesters with your class, you may use **one** core course completed in the year after graduation (summer or academic year) to meet NCAA Division I eligibility requirements. You may complete the core course at a location other than the high school from which you graduated and may initially enroll full time at a collegiate institution at any time after completion of the core course.

## Grade Point Average (GPA)

Only core courses are used in calculating a student's GPA.

## Division I Core GPA and Test Score Sliding Scale

Core GPA	SAT	ACT	Core GPA	SAT	ACT
3.550+	400	37	2.750	720	59
3.525	410	38	2.725	730	59
3.500	420	39	2.700	730	60
3.475	430	40	2.675	740-750	61
3.450	440	41	2.650	760	62
3.425	450	41	2.625	770	63
3.400	460	42	2.600	780	64
3.375	470	42	2.575	790	65
3.350	480	43	2.550	800	66
3.325	490	44	2.525	810	67
3.300	500	44	2.400	820	68
3.275	510	45	2.475	830	69
3.250	520	46	2.450	840-850	70
3.225	530	46	2.425	860	70
3.200	540	47	2.400	860	71
3.175	550	47	2.375	870	72
3.150	560	48	2.350	880	73
3.125	570	49	2.325	890	74
3.100	580	49	2.300	900	75
3.075	590	50	2.275	910	76
3.050	600	50	2.250	920	77
3.025	610	51	2.250	930	78
3.000	620	52	2.200	940	79
2.975	630	52	2.175	950	80
2.950	640	53	2.150	960	80
2.925	650	53	2.125	960	81
2.900	660	54	2.100	970	82
2.875	670	55	2.075	980	89
2.850	680	56	2.050	990	84
2.825	690	56	2.025	1000	85
2.800	700	57	2.000	1010	86
2.775	710	58			

**It is the student's responsibility to look at your high school's list of NCAA-approved core courses on the NCAA clearinghouse website to make sure the courses being taken have been approved as core courses. The website is [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)**

## Dual Credit

Lawrence Public School students have the opportunity to take academic courses in high school that have been identified by the school district and post-secondary schools as equivalent courses. Each articulation agreement is different. Students and parents are encouraged to visit with counselors and course instructors for specific details. Courses that provide dual credit are identified in the course description.

## Advanced Placement

Advanced Placement (AP) is an internationally recognized standard of academic excellence that provides the following benefits to students:

- AP can enhance a student's opportunities for scholarships and career possibilities.
- AP can enhance the student's opportunities to receive admission into recognized universities and post-secondary programs.
- AP can provide credits for courses and examinations completed successfully in high school.
- AP can reduce college costs and time to obtain a degree.
- AP curriculums have been successfully mastered by students who are hardworking and dedicated to excellence and rank in the upper 25 percent of their class.

AP Courses offered in USD 497 include:

AP English Literature and Composition  
 AP Calculus AB  
 AP Calculus BC  
 AP Statistics  
 AP Biology  
 AP Physics B  
 AP Chemistry  
 AP European History  
 AP U.S. History I and II  
 AP Government and Politics  
 AP Studio Art: Drawing  
 AP Studio Art: 2-D Design  
 AP Studio Art: 3-D Design  
 AP Music Theory  
 AP Latin: Vergil  
 AP Computer Science

## Weighted Grades

Advanced Placement (AP) courses will be weighted on student transcripts. An A, B, or C grade in a weighted course will earn .5 GPA points more than the same grade in a non-weighted course. Weighted and non-weighted GPAs are reported on student transcripts.

The Lawrence school district uses two different systems to determine grade point averages. The primary system, which is used to determine the class rank, top ten percent, and valedictorian, is a non-weighted, four-point formula where for every class A=4.0, B=3.0, C=2.0, D=1.0, F=0.

A second system, which students may use on college or scholarship applications, uses weighted grades for all AP (advanced placement) classes where A=4.5, B=3.5, C=2.5, D=1.0, and F=0. All other non-AP classes are figured on the traditional 4-point system.

## Junior Colleges and Technical Colleges

Some high school courses provide articulated dual credit with Johnson County Community College (JCCC), Highland Community College and other post-secondary institutions. A list of these courses is available in the counseling office.

JCCC allows students to enroll on campus in classes when they are juniors and seniors; students with a gifted IEP may enroll earlier if stated in the IEP. Approval by the high school principal is necessary. Any student interested in the **Quick Step** option should visit with a high school counselor.

For more information visit: <http://www.jccc.edu/home/depts/S00012>

## Special Services

The Lawrence Public Schools provide comprehensive programming for students with special needs. Such programming is represented through a continuum of service options ranging from collaboration in the general education classroom to direct services provided in special service classrooms. Individualized services and programming are provided as directed by an Individualized Education Planning (IEP) Team to students with learning disabilities, emotional and behavioral needs, sensory and physical needs, cognitive and developmental disabilities, speech/language needs, hearing and vision needs, and for students who are gifted. Placement in these programs/services is by Special Education action only.

For more information regarding special education services, contact your school administrator or the Student Intervention Services Office at 785-832-5000.

### Gifted Services

Gifted services offer unique and specialized instruction for students who have been found eligible and in need of such services. Gifted services may include either direct or indirect service or a combination of both.

### Homebound/Hospitalized Instructional Program

Homebound and hospitalized instruction is available to students K-12 who have a physical or psychological disability and are unable, or will be unable, to attend classes for two weeks or longer. Recommendation and approval for homebound instruction must be made by the referring physician, followed by a comprehensive evaluation and review by the staffing team. Counselors and the school nurse will assist in the coordination of all responsibilities. Students are not considered absent during the period that instruction is being given.

## English/Language Arts

### English/Language Arts

**All students must earn four (4) credits of English for graduation.** One and a half of these credits must be English 9 and English 10. These courses are prerequisites for all other courses needed to fulfill graduation requirements in English. Once the student has received credit in English 10, he/she continues his/her English education by selecting from the English program options to meet the requirements. Each course within the English program will offer direction in improving communication skills in language and composition.

In addition to passing English 10 as a sophomore, every student must pass American Literature I (to be scheduled in the junior year) and a senior-only class during either semester of the senior year. **An English class must be scheduled every semester.** Please note that some courses have prerequisites that must be met in addition to English 10. With the recommendation of the administration, some courses may be substituted for one semester of English (see below). These courses will not count as an English credit for Kansas Regents Qualified Admissions.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program Required	Repeatable
						<b>Graduation Requirement</b>											
English 9	●				Yr	●							●	●			
Advanced English 9	●				Yr	●							●	●			
English 10		●			Sem	●							●	●			
Advanced English 10		●			Sem	●							●	●			
Appreciation of Literature		●			Sem	●							●	●			
The Epic Tradition		●			Sem	●							●	●			
American Literature I			●		Sem	●							●	●			
Advanced American Literature I			●		Sem	●							●	●			
American Literature II			●	●	Sem	●							●	●			
Science Fiction			●	●	Sem	●							●	●			
Humanities			●	●	Sem	●					●		●	●			
Creative Writing			●	●	Sem	●							●	●			
Comparative Mythology			●	●	Sem	●							●	●			
British Literature			●	●	Sem	●							●	●			
Writing and Communication				●	Sem	●							●	●			
Twentieth-Century Literature				●	Sem	●							●	●			
Writing for the College Bound				●	Sem	●							●	●			
World Literature				●	Sem	●							●	●			
Myth, Fantasy and Folklore				●	Sem	●							●	●			
AP English Literature and Composition				●	Yr	●						●	●	●			
Communications Skills I/II	●	●			Yr	●								●			
Communications Skills III/IV			●	●	Yr	●								●			
English Individual Goals	●	●	●	●	Yr	●										●	●
<b>Courses below may be substituted for one semester of high school English credit with permission of administration</b>																	
Literacy Workshop	●	●	●	●	Sem	●								●			●
Beginning Journalism	●	●	●	●	Sem	●							●				
Journalism/Newspaper	●	●	●	●	Sem/Yr	●											●
Journalism/Yearbook	●	●	●	●	Sem/Yr	●											●
Debate I, II	●	●			Sem	●					●						
Debate III, IV			●	●	Sem	●					●						
Forensics I, II, III, IV	●	●	●	●	Sem	●					●						●
English As A Second Language	●	●	●	●	Sem/Yr									●			

**SPECIAL NOTE:** Some courses may qualify for additional graduation requirements. For example, Humanities may qualify as a graduation requirement for Fine Arts **or** English. Students must select which graduation requirement will be fulfilled by such courses. For more information, please visit with your school counselor.

## 9th Grade Courses

### English 9 1 credit/2 sem 03031

Ninth-grade English is a study of literature, composition, vocabulary and grammar. The literature program includes fiction, mythology, drama, and poetry. The composition program consists chiefly of expository writing of paragraphs and short themes incorporating the six writing traits. The work in vocabulary, grammar, dictionary and library skills, and spelling is a continuing process throughout the year.

### Advanced English 9 1 credit/2 sem 03051

Advanced English 9 offers an enriched program in literature, grammar, composition, spelling and vocabulary. Students need to have mastered the fundamentals of grammar study, basic capitalization, punctuation and writing skills before enrolling in the course. This is a rigorous course designed to challenge students in the study of English. Care should be taken prior to enrollment in Advanced English 9 to ensure that the student is willing and prepared to meet the demands of this course. The students and parents sign a contract indicating that they understand and agree to the class requirements.

### Literacy Workshop .5 credit/1 sem 03081 PREREQUISITE: Recommendation Required

This course is designed to offer students an opportunity to further develop their reading skills. Skill development will be in the areas of comprehension, vocabulary, critical reading and study skills. Students will read six to eight young adult novels.

### Beginning Journalism .5 credit/1 sem 03461

Beginning Journalism students learn the skills they need to publish stories in the school newspaper and yearbook – both in print and online. In addition, students will learn how to communicate in a concise and accurate style as they write news, feature, opinion, and sports stories. Students will design publications on computers; edit stories; and understand their rights and responsibilities as journalists. Projects may include photojournalism, blogging and audio/video storytelling covering the news.

### Journalism-Newspaper .5 or 1 credit/1 or 2 sem 03481 PREREQUISITE: Beginning Journalism or Teacher Approval

In this class, students produce the high school newspaper in print and online. Students learn to work as team members, producing the publication on deadline. Work completed by students includes writing stories, taking photos, laying out pages, designing graphics and selling advertisements. For the newspaper Web site, students will contribute audio, video, breaking news stories and blog entries.

### Journalism-Yearbook .5 or 1 credit/1 or 2 sem 03501 PREREQUISITE: Beginning Journalism or Teacher Approval

In this class, students produce the high school yearbook, which serves as a journalistic and historical record of the year. Students learn to work as team members, producing the publication on deadline. Work completed by students includes writing feature stories, taking photos, laying out pages, designing graphics and selling advertisements.

### Debate I .5 credit/1 sem 09001

Debate is a course open to all high school students eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Students will learn techniques of research, organization of ideas, fluency in speaking, note-taking skills and the ability to look at all sides of an issue. Participation in some debate tournaments is required. Students will assist in the administration of at least one debate tournament on a Friday and Saturday during the semester. Debate is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing persuasive speaking skills and exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, earn a letter, and/or compete at the State Championship and National Championship tournaments in debate. Debate is offered first semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

### Forensics I .5 credit/1 sem 09041

Forensics is a course open to all high school students eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Forensics offers opportunities for individual participation in competitive speaking. The events covered are as follows: extemporaneous speaking, oratory, informative speaking, humorous and dramatic interpretation, duet acting, duo interpretation, oral interpretation of prose and/or poetry, Lincoln-Douglas debate, public forum debate, and student congress. Participants are given the opportunity of participating in up to eight speech tournaments held throughout the state, and participation in some forensics tournaments is required. Students will assist in the administration of at least one Forensics tournament on a Friday and Saturday during the semester. Forensics is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing speaking skills, acting skills, and/or exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, earn a letter, and/or compete at the State Championship and National Championship tournaments in Forensics. Forensics is offered second semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

### English as a Second Language .5 or 1 credit/1 or 2 sem 03951 PREREQUISITE: Recommendation Required

English as a Second Language (ESL) courses are designed for the progressive mastery of the English Language, focusing on reading, writing, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide and explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States. **Students will complete an educational plan with the assigned counselor and the ESL teacher will monitor progress towards completion of the plan on a yearly basis.** Non-credit diploma-seeking LEP exchange students will be approved for inclusion in an ESL class on an as-needed basis if space is available.

## 9th Grade Courses, Cont.

### Communication Skills I/II 03521 1 credit/2 sem PREREQUISITE: Recommendation Required

This course is designed for entering freshman who have been identified as needing intensive additional training in reading and writing skills.

### English Individual Goals 17101 1 credit/2 sem PREREQUISITE: Recommendation Required

*The students' IEP will require enrolling in this course to meet Kansas Extended Standards and graduation requirements.*

The objectives of this course are to teach skills in vocabulary, spelling, reading, writing and speaking. Students will learn to apply reading, writing and speaking skills successfully while participating in selected classes, employment, family living and social situations. Classroom instruction focuses on learning strategies and application of skills to "real-life" situations.

## 10th Grade Courses

### English 10 03001 .5 credit/1 sem Fall Semester Only

Students will read and study from a selection of literature, selected short stories, essays, and poems. Students will write a research paper (Big 6 Unit), as well as persuasive essays (2-3 pages), response paragraphs, and other writing assignments as designated. The Six-Trait Analytical Rubric is also used for scoring of writing projects.

### Appreciation of Literature 03021 .5 credit/1 sem Spring Semester Only

This course is designed to increase the student's knowledge and appreciation of literature through a better understanding of the structure of the various types of literature. An intensive study of each form—the short story, the drama, the essay, the biography, the poem, and the novel—will be made so that the student gains a better knowledge of how a literary work operates.

### Advanced English 10 03011 .5 credit/1 sem Fall Semester Only

This course is for those students who have mastered grammar and are ready for accelerated review and practice in using the more complex structures of our language. Advanced English 10 is designed to challenge students and develop higher-level critical and creative thinking skills through the study of literature. Emphasis will be placed on writing as a process, and particular attention will be given to developing skills in revision. Class activities are created to improve reading, writing, thinking, speaking and listening skills, and each student should be prepared and highly motivated in order to meet the rigorous reading and writing demands of this course. A substantial amount of time must be spent on work outside of class to be successful. Students may be asked to complete a contract prior to enrolling in the class.

### The Epic Tradition 03041 .5 credit/1 sem Spring Semester Only

The purpose of this course is to understand the beginnings of the literature of Western civilization, to recognize the basis for classical allusions in Western literature, to appreciate the values and attitudes of Greek and Roman heroes, and to see the influence of Homer on authors such as Virgil and Dante. This course is designed for the student who wants a background in classical literature. Some modern poetry will also be studied in order to recognize classical allusions. A term paper is a requirement for passing the course.

### Communication Skills I/II 03521 1 credit/2 sem PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### Beginning Journalism 03461 .5 credit/1 sem

See 9th Grade Courses for Course Description.

### Literacy Workshop 03081 .5 credit/1 sem PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### Journalism-Newspaper 03481 .5 or 1 credit/1 or 2 sem PREREQUISITE: Beginning Journalism or Teacher Approval

See 9th Grade Courses for Course Description.

### English as a Second Language 03951 .5 or 1 credit/1 or 2 sem PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### Journalism-Yearbook 03501 .5 or 1 credit/1 or 2 sem PREREQUISITE: Beginning Journalism or Teacher Approval

See 9th Grade Courses for Course Description.

### English Individual Goals 17101 1 credit/2 sem PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### Forensics I 09041 .5 credit/1 sem

### Forensics II 09051 .5 credit/1 sem PREREQUISITE—Forensics I

See 9th Grade Courses for Course Description.

### Debate I 09001 .5 credit/1 sem

### Debate II 09011 .5 credit/1 sem PREREQUISITE—Debate I

See 9th Grade Courses for Course Description.

## 11th Grade Courses

### American Literature I .5 credit/1 sem 03141 Required for 11th Grade

This course is designed to acquaint the student with America's literary periods through the nineteenth century and to give the student a solid background in early American literature as a basis for further study, particularly in contemporary writing. **This course is required of all juniors.** It may be taken either semester. This course may include works by Hawthorne, Thoreau, Twain, and Melville. American Literature I is a prerequisite to American Literature II.

### Advanced American Literature .5 credit/1 sem 03151 11th grade only

This course spans the same literary periods as American Literature I but provides more depth and explores additional essays, poems, and novels. It is helpful preparation for college literature courses. A semester project is required. To be successful, students must spend a substantial amount of time on work outside of class.

## 11th or 12th Grade Courses

### American Literature II .5 credit/1 sem 03181

This course is designed for students with an interest in modern American literature. Representative American writers such as Hemingway, Cather, Wilder, Faulkner, Fitzgerald, Hughes, Hurston, Miller, and Steinbeck will be among those studied. The course includes the study of essays, poetry, plays and novels. The material covers roughly 1900 to the present.

### Science Fiction .5 credit/1 sem 03121

This course investigates the characteristics which distinguish science fiction and presents its development from the nineteenth century through the late twentieth century. Reading, writing, and research focus on the technological, social, philosophical, and historical developments which affect the condition of humanity and the future of the world. Several novels, short stories and essays by such authors as Wells, Orwell, Bradbury, Clarke, Asimov and others will provide background for the student's further study. Due to the extensive reading requirements, this course is recommended for average and above-average readers. A term project is required.

### British Literature .5 credit/1 sem 03281

The purpose of this course is to gain appreciation of various types of literature, to become aware of trends and periods in British literature and to trace the changing values of Western Civilization as reflected in British literature from the Anglo-Saxon Period through the Romantic Age. The course is designed for students who want to investigate the culture which produced such writers as Chaucer, Shakespeare and Pope. A term project is required.

### Communication Skills III/IV .5 credit/1 sem 03581 PREREQUISITE: Recommendation Required

This course is offered for students who show a continued need for help in basic skills of reading and writing.

### Literacy Workshop .5 credit/1 sem 03081 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### English as a Second Language .5 or 1 credit/1 or 2 sem 03951 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### English Individual Goals 1 credit/2 sem 17101 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

### Comparative Mythology .5 credit/1 sem 03611

The purpose of this course is to explore human beings' persistent attempts to explain the unintelligible through the creation of myth and fantasy. Students will investigate recurrent motifs in a comparative study of Sumerian, Hebrew, Greek, Norse, Native American, and African American myths. In addition, students will examine the influence of fantasy and culture. Above-average reading proficiency is recommended for students in this course.

### Creative Writing .5 credit/1 sem 03231

This advanced writing course is designed to stimulate, guide, and encourage students who wish to create original poetry and short fiction. In addition, students will learn how famous writers write, how to critique their peers' writing, how to edit and rewrite creative efforts, and how to submit work for publication.

### Humanities .5 credit/1 sem 03221 (ENG Credit) 04661 (FA Credit)

This multi-disciplinary course involves the study of a culture through the examination of its belief and value systems, rules, customs, and artifacts, particularly as reflected in the fine arts – language, literature, art, music, dance and cinema. Students will study selected past cultures of Western Civilization. Research and creative projects are required. In addition, students will write reaction papers and tests over material examining various art forms as well as the works of specific artists. The course may be taken for English or Fine Arts credit.

### Beginning Journalism .5 credit/1 sem 03461

See 9th Grade Courses for Course Description.

### Journalism-Newspaper .5 or 1 credit/1 or 2 sem 03481 PREREQUISITE: Beginning Journalism or Teacher Approval

See 9th Grade Courses for Course Description.

### Journalism-Yearbook .5 or 1 credit/1 or 2 sem 03501 PREREQUISITE: Beginning Journalism or Teacher Approval

See 9th Grade Courses for Course Description.

## 11th or 12th Grade Courses Cont.

**Debate I** .5 credit/1 sem  
09001

**Debate II** .5 credit/1 sem  
09011 PREREQUISITE—Debate I

See 9th Grade Courses for Course Description.

**Debate III** .5 credit/1 sem  
09021 PREREQUISITE—Debate I and II

Debate III & IV are a continuation of the lower level Debate classes. Students must be eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Debate III & IV offer students the opportunity to work on increasingly complex methods of research, argumentation and presentation of ideas. Participation in some tournaments is required. Students will assist in the administration of at least one debate tournament on a Friday and Saturday during the semester. Debate is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing persuasive speaking skills and exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, to earn a letter, and/or compete at the State Championship and National Championship tournaments in debate. Debate is offered first semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

**Forensics I** .5 credit/1 sem  
09041

**Forensics II** .5 credit/1 sem  
09051 PREREQUISITE—Forensics I

**Forensics III** .5 credit/1 sem  
09061 PREREQUISITE—Forensics II

**Forensics IV** .5 credit/1 sem  
09071 PREREQUISITE—Forensics III

See 9th Grade Courses for Course Description.

## 12th Grade Courses

**Writing and Communications** .5 credit/1 sem  
03321

This course illustrates to the student the various styles of business writing, other forms of communication, and expands the student's awareness of English skills in daily life. Emphasis is placed on business etiquette, non technical and technical writing skills, oral skills, and reading and listening skills.

**Writing for the College Bound** .5 credit/1 sem  
03361

The purpose of this course is to emphasize essay writing for students who intend to go to college. During the semester, students will write six to seven essays, in class and out, of varying lengths. In addition, various other writing exercises will be required so that students are writing almost every day. Students will learn to write effective introductions and conclusions, to organize their thoughts, to illustrate ideas with specific details, and to revise their papers. A semester paper will be required.

**World Literature** .5 credit/1 sem  
03441

This course will explore how people of different races, time periods and cultures have viewed some of our greater questions: Is there a God? If so, does God play an active role in our world? What is humanity's place in the scheme of things? What is the role of women? The course will also deal with tests of the human spirit: love, war, materialism and isolation. Students will read literature from France, Germany, Russia, South Africa and Ancient Greece. The course will include such authors as Sophocles, Shakespeare, Voltaire, Tolstoy, Dostoevski, Paton, Rostand, Flaubert, Camus and Mann.

**AP English Literature and Composition** 1 credit/2 sem  
03451

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. Advanced Placement English is designed to engage students in the careful reading and critical analysis of imaginative literature. Students will study literary structures, styles, and themes, as well as such smaller-scale elements of narrative technique as figurative language, imagery, diction, and tone. Students will read poetry, drama, short stories, and novels. A substantial amount of time must be spent on work outside of class to be successful. **It is intended that students enrolled in this course will take the Advanced Placement English Literature and Composition exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

*This course will be weighted on student transcripts. Both a weighted GPA and a non-weighted GPA will be reported*

**Twentieth-Century Literature** .5 credit/1 sem  
03341

This course is designed for students who want to read and discuss major twentieth-century thinkers and artists. Students will read three or four novels, several plays, poetry, short stories and essays by the following representative writers: Angelou, O'Neill, Kesey, Remarque, Huxley, Salinger, Williams, Hughes, Shaw, Hansberry, Hemingway, Hurston, Beckett, O'Brien, Eliot and Yeats.

**Myth, Fantasy, and Folklore** .5 credit/1 sem  
03621 PREREQUISITE: Recommendation Required

This course will include many myths, legends, fairy tales and folk tales. It is offered for students who show a continued need to improve reading and writing skills.

## 12th Grade Courses, Cont.

**Communication Skills III/IV** .5 credit/1 sem  
03581 PREREQUISITE: Recommendation Required

See 11th Grade Courses for Course Description.

**Literacy Workshop** .5 credit/1 sem  
03081 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

**English as a Second Language** .5 or 1 credit/1 or 2 sem  
03951 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

**English Individual Goals** 1 credit/2 sem  
17101 PREREQUISITE: Recommendation Required

See 9th Grade Courses for Course Description.

**Debate I** .5 credit/1 sem  
09001

**Debate II** .5 credit/1 sem  
09011 PREREQUISITE—Debate I

See 9th Grade Courses for Course Description.

**Debate III** .5 credit/1 sem  
09021 PREREQUISITE—Debate I and II

**Debate IV** .5 credit/1 sem  
09031 PREREQUISITE—Debate I and II

See 11th Grade Courses for Course Description.

**Beginning Journalism** .5 credit/1 sem  
03461

See 9th Grade Courses for Course Description.

**Journalism-Newspaper** .5 or 1 credit/1 or 2 sem  
03481 PREREQUISITE: Beginning Journalism or  
Teacher Approval

See 9th Grade Courses for Course Description.

**Journalism-Yearbook** .5 or 1 credit/1 or 2 sem  
03501 PREREQUISITE: Beginning Journalism or  
Teacher Approval

See 9th Grade Courses for Course Description.

**Forensics I** .5 credit/1 sem  
09041

**Forensics II** .5 credit/1 sem  
09051 PREREQUISITE—Forensics I

**Forensics III** .5 credit/1 sem  
09061 PREREQUISITE—Forensics II

**Forensics IV** .5 credit/1 sem  
09071 PREREQUISITE—Forensics III

See 9th Grade Courses for Course Description.

# Mathematics

## Mathematics

Enrollment is mandatory in grades 9, 10 and 11. Three years of math are required for graduation.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
						Graduation Requirement												
Introductory Algebra	•				Yr	•								•				
Algebra I	•	•			Yr	•						•	•					
Geometry	•	•			Yr	•						•	•					
Algebra I Lab		•	•	•	Sem	•									•			
Geometry Lab		•	•	•	Sem	•									•			
Principles of Algebra and Geometry		•	•	•	Yr	•									•			
Algebra II		•	•	•	Yr	•						•	•					
Advanced Algebra II	•	•	•	•	Yr	•						•	•	•				
Analysis			•	•	Yr	•						•	•					
PreCalculus		•	•	•	Yr	•						•	•					
Algebra for the College Bound				•	Yr	•						•	•					
AP Statistics				•	Yr	•					•	•						
AP Calculus AB			•	•	Yr	•					•	•						
AP Calculus BC			•	•	Yr	•					•	•						
Fundamentals in Mathematics		•	•	•	Sem/Yr	•									•			
Senior Consumer Math				•	Sem/Yr	•												
Mathematics - Individual Goals	•	•	•	•	Yr	•										•	•	

## 9th Grade Courses

### Introductory Algebra 1 credit/2 sem 08041

This course is designed for students who need more time to assimilate certain algebraic concepts. The course covers algebraic expressions, equations, inequalities and linear functions. It reviews the properties of integers, fractions, ratios, proportions and percents. The course also covers geometry, statistics and data analysis. Most students completing this course will enroll in Algebra I.

**It is recommended that students purchase a TI-30X IIS calculator for this class.**

### Algebra I 1 credit/2 sem 08061

Students will apply basic operations with whole numbers, integers, and rational numbers. In this course the students will develop the additional skills of solving multi-step equations, graphing linear equations and problem solving.

**It is recommended that students purchase a TI30X IIS calculator for this class.**

### Geometry 1 credit/2 sem 08141 PREREQUISITE—Algebra I

Topics for this course include: definitions, properties and measurements of geometric figures, properties of parallel lines, rotations, translations, proofs, study of the Pythagorean Theorem, basic constructions, coordinate geometry and trigonometry. This class is recommended for students who were successful in Algebra I.

**It is recommended that students purchase a TI30X IIS calculator for this class.**

### Advanced Algebra II 1 credit/2 sem 08201 PREREQUISITE—Geometry & Teacher Recommendation

The material covered in this course will include all topics contained in Algebra II including matrices, logarithmic and exponential functions, arithmetic and geometric sequences and series. This is a rigorous course designed to challenge the dedicated mathematics student. Above-average performance in previous math courses is strongly recommended.

**Students are required to purchase a TI 83 or TI 84 calculator for this class.**

## 9th Grade Courses, Cont.

### Mathematics—Individual Goals 1 credit/2 sem 17525 PREREQUISITE—Recommendation Required

The student's IEP will require enrolling in this course to meet Kansas Extended Standards and graduation requirements.

The purpose of this course is to teach students basic mathematics, as well as the skills for applying what is learned to everyday life situations. Students will learn to use a calculator to perform basic computations, count money, tell time, and use mathematics processes in a functional way. Students will learn to apply mathematics skills in employment and community situations.

## 10th Grade Courses

### Fundamentals in Mathematics 5 or 1 credit/1 or 2 sem 08001 PREREQUISITE—Recommendation Required

Fundamentals in Mathematics may be taken for one semester or one year by students who demonstrate a need and desire for basic skills of arithmetic. Topics will include basic operations involving whole numbers, fractions and decimals, percentages, graphs, and applications to everyday living. Students will also be introduced to concepts of algebra. A maximum of 15 students will be enrolled in the course to better facilitate student-teacher interaction.

### Algebra I 1 credit/2 sem 08061

See 9th Grade Courses for Course Description.

### Algebra I Lab .5 or 1 credit/1 or 2 sem 08051 PREREQUISITE—Recommendation Required

The purpose of Algebra 1 Lab is to provide extra support to students who have experienced difficulty in math. Instruction in basic skills will be provided and efforts will be made to reinforce and pre-teach concepts and skills taught in regular math classes. Student grades for the course are based on daily participation and work completion. Enrollment is by teacher recommendation only.

### Principles of Algebra and Geometry 1 credit/2 sem 08071 PREREQUISITE—Algebra I PREREQUISITE—Recommendation Required

This course emphasizes strengthening and applying algebraic skills within the framework of geometry. Topics for this course include: definitions, properties and measurements of geometric figures, properties of parallel lines, proofs, study of the Pythagorean Theorem, coordinate geometry and trigonometry. This class is recommended for students needing reinforcement in algebraic skills.

**It is recommended that students purchase a TI30X IIS calculator for this class.**

**Enrollment by Teacher Recommendation only.**

### Geometry 1 credit/2 sem 08141 PREREQUISITE—Algebra

See 9th Grade Courses for Course Description.

### Geometry Lab .5 or 1 credit/1 or 2 sem 08131 PREREQUISITE—Recommendation Required

The purpose of Geometry Lab is to provide extra support to students who have experienced difficulty in math. Instruction in basic skills will be provided and efforts will be made to reinforce and pre-teach concepts and skills taught in regular math classes. Student grades for the course are based on daily participation and work completion. Enrollment is by teacher recommendation only.

**Enrollment by Teacher Recommendation only.**

### Algebra II 1 credit/2 sem 08161 PREREQUISITE—Geometry

The topics covered in this course will include mathematical operations and graphing and solving systems of equations, linear and quadratic equations and inequalities, polynomial equations, rational equations, and graph and write equations of conics.

**It is recommended that students purchase a TI 83 or TI 84 calculator for this class.**

### Advanced Algebra II 1 credit/2 sem 08201 PREREQUISITE—Geometry & Teacher Recommendation

See 9th Grade Courses for Course Description.

### Pre-Calculus 1 credit/2 sem 08251 PREREQUISITE—Adv Algebra II or Analysis

This course is designed for the college-bound student. Functions will be the focus of this course. These functions will include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise defined. In addition to functions, conic sections will be reviewed, vectors will be introduced, and selected topics from discrete mathematics will be included.

**Students are required to purchase a TI 83 or TI 84 calculator for this class.**

### Mathematics—Individual Goals 1 credit/2 sem 17525 PREREQUISITE—Recommendation Required

See 9th Grade Courses for Course Description.

## Mathematics

### 11th Grade Courses

**Fundamentals in Mathematics** 08001 . 5 or 1 credit/1 or 2 sem  
PREREQUISITE—  
Recommendation Required

See 10th Grade Courses for Course Description.

**Algebra I Lab** 08051 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Recommendation Required

See 10th Grade Courses for Course Description.

**Principles of Algebra and Geometry** 08071 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Algebra I & Recommendation Required

See 10th Grade Courses for Course Description.

**Geometry Lab** 08131 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Recommendation Required

See 10th Grade Courses for Course Description.

**Algebra II** 08161 1 credit/2 sem  
PREREQUISITE—Geometry

See 10th Grade Courses for Course Description.

**Advanced Algebra II** 08201 1 credit/2 sem  
PREREQUISITE—Geometry & Teacher Recommendation

See 9th Grade Courses for Course Descriptions.

**Mathematics—Individual Goals** 17525 1 credit/2 sem  
PREREQUISITE—Recommendation Required

See 9th Grade Courses for Course Description.

**Analysis** 08231 1 credit/2 sem  
PREREQUISITE—Algebra II or Adv Algebra II

This course covers logarithmic and exponential functions, topics from probability and statistics (including sampling techniques and drawing inferences from charts, tables, and graphs that summarize data from "real-world" situations) and trigonometry.

It is recommended that students purchase a TI 83 or TI 84 calculator for this class.

### 12th Grade Courses

**Fundamentals in Mathematics** 08001 . 5 or 1 credit/1 or 2 sem  
PREREQUISITE—  
Recommendation Required

See 10th Grade Courses for Course Description.

**Algebra I Lab** 08051 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Recommendation Required

See 10th Grade Courses for Course Description.

**Principles of Algebra and Geometry** 08071 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Algebra I & Recommendation Required

See 10th Grade Courses for Course Description.

**Geometry Lab** 08131 .5 or 1 credit/1 or 2 sem  
PREREQUISITE—Recommendation Required

See 10th Grade Courses for Course Description.

**Pre-Calculus** 08251 1 credit/2 sem  
PREREQUISITE—Adv Algebra II or Analysis

See 10th Grade Courses for Course Descriptions.

**AP Calculus AB** 08351 1 credit/2 sem  
PREREQUISITE—Pre-Calculus

This course is designed to provide the college-bound student with the knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare for college courses. This year-long course is equivalent to a semester course of college calculus. Topics covered include limits, continuity, derivatives and basic integrals. Applications of these topics will be emphasized. This course will cover topics at a similar conceptual level as AP Calculus BC. **Students are encouraged to take the Advanced Placement Calculus AB exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.** Students successfully completing this course can enroll in AP Calculus B.

**Graphing calculators are required for this course and for the Advanced Placement Exam. The model/brand of calculator is specified by the AP College Board on their website.**

**AP Calculus BC** 08371 1 credit/2 sem  
PREREQUISITE—Pre-Calculus

This course is designed to provide the college-bound student with the knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. This course is equivalent to two semesters of college calculus. The topics covered in AP Calculus AB will also be covered in this course. In addition, this course will cover infinite series, polynomial approximation, applications of parametric, polar, and vector functions, and a more in depth study of integrals. **Students are encouraged to take the Advanced Placement Calculus BC exam which will include a Calculus AB subscore. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**Graphing calculators are required for this course and for the Advanced Placement Exam. The model/brand of calculator is specified by the AP College Board on their website.**

**Algebra II** 08161 1 credit/2 sem  
PREREQUISITE—Geometry

See 10th Grade Courses for Course Description.

**Advanced Algebra II** 08201 1 credit/2 sem  
PREREQUISITE—Geometry & Teacher Recommendation

See 9th Grade Courses for Course Descriptions.

**Analysis** 08231 1 credit/2 sem  
PREREQUISITE—Algebra II or Adv Algebra II

See 11th Grade Courses for Course Descriptions.

**Pre-calculus** 08251 1 credit/2 sem  
PREREQUISITE—Adv Algebra II or Analysis

See 10th Grade Courses for Course Descriptions.

## 12th Grade Courses, Cont.

### Algebra for the College Bound 1 credit/2 sem 08151 PREREQUISITE—Algebra II or above

This year long course is designed to provide the college-bound student with in-depth foundation of the fundamental concepts of college algebra. Emphasis will be given to **Applications**.

### Senior Consumer Math .5 or 1 credit/1 or 2 sem 08021

The fundamental arithmetic concepts such as addition, subtraction, multiplication and division of whole numbers, fractions and decimals are applied to everyday life situations such as cash and installment purchases, insurance, investments, loans and other banking services (checking and savings accounts, taxes, budgets, etc.) Enrollment in this course is limited to seniors.

**It is suggested that students purchase a scientific calculator.**

### Mathematics—Individual Goals 1 credit/2 sem 17525 PREREQUISITE—Recommendation Required

See 9th Grade Courses for Course Descriptions.

### AP Statistics 1 credit/2 sem 08301 PREREQUISITE—Pre-Calculus or Analysis

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. **Students are encouraged to take the Advanced Placement Statistics exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**Graphing calculators are required for this course and for the Advanced Placement Exam. The model/brand of calculator is specified by the AP College Board on their website.**

### AP Calculus AB 1 credit/2 sem 08351 PREREQUISITE—Pre-Calculus

See 11th Grade Courses for Course Descriptions.

### AP Calculus BC 1 credit/2 sem 08371 PREREQUISITE—Pre-Calculus

See 11th Grade Courses for Course Descriptions.

## Science

### Science

It is required that all 9th and 10th grade students be enrolled in a science course.

The curriculum in science centers around the core courses of biology, chemistry and physics. Students interested in science-related careers should include these core courses in order to obtain a proper background in science for future studies and to meet requirements for the college-bound curriculum. It is recommended that students take advanced classes in preparation for college.

Course Title	9	10	11	12	Duration	Graduation Requirement													
						English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Admin	Alternative Program (Requires IEP)	Repeatable		
General Science 9	●				Year				●									●	
Biology	●	●			Year				●				●	●					
Advanced Biology	●				Year				●				●	●					
Human Biology		●	●	●	Year				●				●	●					
Animal Science I		●	●	●	Sem				●										
Animal Science II		●	●	●	Sem				●										
Chemistry Today		●	●	●	Year				●				●	●					
Chemistry		●	●	●	Year				●				●	●					
Advanced Chemistry		●	●	●	Year				●				●	●					
Principals of Technology		●	●	●	Year				●				●	●					
Physics		●	●	●	Year				●				●	●					
Advanced Physics		●	●	●	Year				●				●	●					
Agriscience		●	●	●	Sem				●										
Plant Science		●	●	●	Year				●										
Veterinary Science		●	●	●	Sem				●										
Natural Resource and Wildlife Mgmt		●	●	●	Sem				●										
Plant and Animal Biology			●	●	Year				●				●	●					
AP Biology			●	●	Year				●			●	●	●					
Human Anatomy and Physiology			●	●	Year				●				●	●					
Astronomy and Geology			●	●	Year				●				●						
Ecology and Environmental Science			●	●	Year				●				●						
AP Physics			●	●	Year				●			●	●						
AP Chemistry			●	●	Year				●			●	●						
Science - Individual Goals	●	●	●	●	Year				●									●	●

## 9th Grade Courses

### Biology 10021

1 credit/2 sem

In Biology, students will develop a fundamental understanding of the cell, the molecular basis of heredity, biological evolution, interdependence and behavior of organisms, matter, energy and organization in living systems. Topics will be developed through laboratory activities employing scientific method and inquiry. A notebook is required.

### Advanced Biology 10041

1 credit/2 sem

In Advanced Biology, students will engage in a rigorous study of the topics studied in Biology. This course involves more theory and less guided practice with additional topics and a more in-depth treatment of the subject matter. Emphasis is placed on critical thinking, problem solving and advanced laboratory skills to help students prepare for future academic work in the sciences. The students and parents sign a contract indicating that they understand and agree to the class requirements. A notebook is required.

## 9th Grade Courses Cont.

### General Science 9 1 credit/2 sem 10011 PREREQUISITE—Recommendation Required

General Science 9 will emphasize the development and reinforcement of basic scientific skills and concepts to prepare students for future enrollment in biology, chemistry, and physics. In addition, scientific vocabulary and reading comprehension will be addressed to assist students in furthering their science education.

### Agriscience .5 credit/1 sem 01011 PREREQUISITE—Intro to Agriculture

A comprehensive course that covers a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.

**NOTE: Completion of this course with a "C" or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - HORT 120 Intro to Urban Business. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/advancedstanding.pdf>**

### Science—Individual Goals .5 or 1 credit/1 or 2 sem 17535 PREREQUISITE—Recommendation Required

*The student's IEP will require enrolling in this course to meet Kansas Extended Standards and graduation requirements.*

The purpose of this course is to provide science instruction tailored to students' individual needs. Instruction will be designed in accordance with each student's learning method, rate, level and style. Through an independent study format, students will learn to relate science concepts to daily living.

## 10th Grade Courses

### Biology 1 credit/2 sem 10021

See 9th Grade Courses for Course Description.

### Human Biology 1 credit/2 sem 10141 PREREQUISITE—Biology or Adv Biology

This course is designed for general biology students who are interested in obtaining specific knowledge about the human body. An understanding of the major organ systems, diseases, and current topics concerning health-related issues will be accomplished through lecture, discussion, labs, and various community resources. A student completing this course will have a better understanding of the human body and how it relates to nutrition, exercise, sexuality, substance abuse, and disease.

### Plant and Animal Biology 1 credit/2 sem 10071 PREREQUISITE—Biology or Adv Biology

This year long course combines botany (the study of plants) and zoology (the study of animals). The course includes lecture/discussion, labs, greenhouse studies, dissection and individual research to address the origin, evolution and diversity of the plant and animal kingdoms. The botany portion will emphasize anatomy and physiology, growth and development, life cycles and classification of plants. The zoology portion will emphasize comparative anatomy and how different lineages of animals carry out essential life functions. Dissection is required.

### Principles of Technology 1 credit/2 sem 10401 PREREQUISITE—Introductory Alg or Alg I

Principles of Technology is a course in applied physics for those who plan to pursue careers as technicians or who just want to keep pace with the advances in technology. It blends an understanding of basic principles with practice in laboratory situations. It gives a firm foundation for understanding today's technology, as well as the new technology that is coming tomorrow.

### Physics 1 credit/2 sem 10441 PREREQUISITE—Algebra I and Biology

This physics course is tailored to the student who wishes to learn more about motion, mechanics, sound, light, heat, electricity and other topics in physics. Mathematics will be used; however, a greater emphasis will be placed on a conceptual understanding of the topics and phenomena studies. The student's introduction to physics will involve a mixture of readings, lectures, demonstrations and hands-on experience in the form of lab work and projects.

**A scientific calculator is required (\$10-15).**

### Advanced Physics 1 credit/2 sem 10451 PREREQUISITE—Geometry and Biology

This course is designed for students who have an interest in science and desire more in-depth coverage in a first-year physics course. Emphasis will be placed on relating the topics in physics (motion, sound, light, etc.) mathematically. Lecture and class discussion will focus on using mathematical relationships. A good understanding of algebra and geometry is necessary for this course. **Completion of or concurrent enrollment in Algebra II is required.**

**A scientific calculator is required (\$10-15).**

### Chemistry Today 1 credit/2 sem 10481 PREREQUISITE—Biology and Alg I

This is a concept-based chemistry course to help students understand the chemical basis of society. Goals of the course include educating students to make more informed choices as consumers and emphasizing practical applications of chemistry to problems and solutions in society. The course explores the chemistry of household and personal products with students analyzing choices they have in affecting the chemistry of their bodies and their lives. The course examines issues of global concerns including the impact of industry and technology on the planet.

## 10th Grade Courses Cont.

**Chemistry** 1 credit/2 sem  
10521 PREREQUISITE—Algebra I and Biology

This course covers the fundamental concepts of chemistry. Chemistry is the study of the composition, structure and properties of substances and the changes they undergo. The course includes the development of basic lab skills as well as the theory and application of the scientific method.

**A scientific calculator is required (\$10-15).**

**Advanced Chemistry** 1 credit/2 sem  
10501 PREREQUISITE—Geometry and Biology

This course is designed for students who have a strong interest in science and desire more in-depth coverage in a first year chemistry course. This course is recommended for students planning on pursuing Advanced Placement Biology or Advanced Placement Chemistry. Advanced Chemistry involves more theory and less guided practice, with additional topics and a more in-depth treatment of subject matter. Emphasis is placed on critical thinking, problem solving and advanced laboratory skills to help students prepare for future academic work in the sciences. **Completion of or concurrent enrollment in Algebra II is required.**

**A scientific calculator is required (\$10-15).**

**Environmental Resources and Wildlife** .5 credit/1 sem  
01051

Environmental Resources and Wildlife combines the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife and forests. Within the general area of natural resources management, this course covers specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation and human outdoor recreation.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**NOTE: Completion of this course with a "C" or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - BIOL 120—Environmental Science. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/advancedstanding.pdf>**

**Agriscience** .5 credit/1 sem  
01011

See 9th Grade Courses for Course Description.

**Plant Science I** .5 credit/1 sem  
01031**Plant Science II** .5 credit/1 sem  
01041 PREREQUISITE—Animal Plant Science I

Plant Science exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits and vegetables. In doing so, the course covers a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control and floral design.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**Animal Science I** .5 credit/1 sem  
01001**Animal Science II** .5 credit/1 sem  
01061 PREREQUISITE—Animal Science I

Animal Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**Veterinary Science** .5 credit/1 sem  
01021

Veterinary Science focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include kennel operations and sales.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**Science—Individual Goals** .5 or 1 credit/1 or 2 sem  
17535

See 9th Grade Courses for Course Description.

## 11th Grade Courses

**Human Anatomy and Physiology** 1 credit/2 sem  
10081 PREREQUISITE—Biology or Adv Biology Chemistry/Adv Chemistry or Chemistry Today

Study of structures and functions within the human body systems will be emphasized in this course. The major systems will be surveyed by means of lecture, discussions, and laboratory sessions. This course is a college preparatory class. Team dissection of a cat and other mammalian organs is required.

**Plant and Animal Biology** 1 credit/2 sem  
10071 PREREQUISITE—Biology or Adv Biology

See 10th Grade Courses for Course Description.

**Physics** 1 credit/2 sem  
10441 PREREQUISITE—Algebra I

See 10th Grade Courses for Course Descriptions.

**Advanced Physics** 1 credit/2 sem  
10451 PREREQUISITE—Geometry and Biology

See 10th Grade Courses for Course Descriptions.

## 11th Grade Courses, Cont.

**AP Biology** 1 credit/2 sem  
10061 PREREQUISITE—Biology or Adv Biology  
Chemistry or Adv Chemistry

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination administered by the College Board and to prepare them for college courses. Major themes for this course will include: science as a process, evolution, energy transfer, continuity and change, relationship between structure and function, interdependence in nature and science technology. Higher levels of reading, writing, analytical techniques, computer technology and laboratory skills will be required beyond those of the college preparatory and general biology classes. Lectures, discussions and laboratories are used to provide information regarding biological concepts. Outside projects, individual research, field trips and seminars are an expected part of this course.

**There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**A \$38 lab manual is highly recommended.**

**Astronomy & Geology Topics** 1 credit/2 sem  
10201 PREREQUISITE—Algebra I

This course is for students who want to learn about the formation of the planets and stars, the changes they undergo over time, and who want to learn about the chemistry and physics of both astronomy and geology with an emphasis on conceptual based understanding. This course involves a mixture of reading, reports, and integration of internet research into class discussions through small group activities. Both individual and group observations of the night sky are recommended and several opportunities to do so as a class will be provided.

**Chemistry Today** 1 credit/2 sem  
10481 PREREQUISITE—Biology and Alg I

See 10th Grade Courses for Course Description.

**Chemistry** 1 credit/2 sem  
10521 PREREQUISITE—Algebra I and Biology

See 10th Grade Courses for Course Description.

**Principles of Technology** 1 credit/2 sem  
10401 PREREQUISITE—Introductory Alg or Alg I

See 10th Grade Courses for Course Description.

**Advanced Chemistry** 1 credit/2 sem  
10501 PREREQUISITE—Geometry and Biology

See 10th Grade Courses for Course Description.

**Agriscience** .5 credit/1 sem  
01011

See 10th Grade Courses for Course Description.

**Plant Science** .5 credit/1 sem  
01031

**Plant Science II** .5 credit/1 sem  
01041 PREREQUISITE—Animal Plant Science I

See 10th Grade Courses for Course Description.

**Animal Science I** .5 credit/1 sem  
01001

**Animal Science II** .5 credit/1 sem  
01061 PREREQUISITE—Animal Science I

See 10th Grade Courses for Course Description.

**Ecology and Environmental Science** 1 credit/2 sem  
10301 PREREQUISITE—Biology, Sci Exp or Adv Biology

This course focuses on current ecological and environmental science issues with laboratory and field experiences. Some of the issues include population studies, air and water pollution, energy use, alternative energy sources, conservation of natural resources, and human impact on ecosystems. Ecology includes the study of the characteristics of the major physical and biological ecosystems of the world. Emphasis will be placed on the natural influence and the management of the physical and biological environments. Environmental science includes people's effect on the world's ecosystems and environmental concerns. The course will provide students with the scientific methods required to understand problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine solutions taking in all sides of an issue for resolving them. This interdisciplinary course embraces social, physical and biological sciences.

**AP Chemistry** 1 credit/2 sem  
10541 PREREQUISITE—Chemistry or Adv. Chemistry  
And Algebra II

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination administered by the College Board and to prepare them for college courses. This course offers the opportunity to attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will also contribute to the development of the students' abilities to think critically and express their ideas orally and in writing with clarity and logic. Each student is encouraged to plan and carry out a research project in chemistry using the scientific approach.

**There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**AP Physics B** 1 credit/2 sem  
10461 PREREQUISITE—Physics or Adv. Physics  
and Algebra II

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination administered by the College Board and to prepare them for college courses. Advanced Placement Physics B is a two-semester college-level course that covers all five areas of physics: mechanics, kinetic energy and thermodynamics, electricity and magnetism, waves and optics, and modern physics. The course is fast-paced; however, it is not calculus-based. The course is recommended for students who plan to major in science or science-related fields such as medicine, engineering, physics, chemistry, biology, etc. **There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**A scientific calculator is required (\$10-15).**

**Science—Individual Goals** .5 or 1 credit/1 or 2 sem  
17535

See 9th Grade Courses for Course Description.

**Veterinary Science** .5 credit/1 sem  
01021

See 10th Grade Courses for Course Description.

**Environmental Resources and Wildlife** .5 credit/1 sem  
01051

See 10th Grade Courses for Course Descriptions.

## 12th Grade Courses

**Principles of Technology** 1 credit/2 sem  
10401 PREREQUISITE—Introductory Alg or Alg I

See 10th Grade Courses for Course Description.

**Advanced Chemistry** 1 credit/2 sem  
10501 PREREQUISITE—Geometry and Biology

See 10th Grade Courses for Course Description.

**Physics** 1 credit/2 sem  
10441 PREREQUISITE—Algebra I

See 10th Grade Courses for Course Description.

**Advanced Physics** 1 credit/2 sem  
10451 PREREQUISITE—Geometry and Biology

See 10th Grade Courses for Course Description.

**Chemistry Today** 1 credit/2 sem  
10481 PREREQUISITE—Biology and Alg I

See 10th Grade Courses for Course Description.

**Chemistry** 1 credit/2 sem  
10521 PREREQUISITE—Algebra I and Biology

See 10th Grade Courses for Course Description.

**Agriscience** .5 credit/1 sem  
01011

See 10th Grade Courses for Course Description.

**Animal Science I** .5 credit/1 sem  
01001

**Animal Science II** .5 credit/1 sem  
01061 PREREQUISITE—Animal Science I

See 9th Grade Courses for Course Description.

**Veterinary Science** .5 credit/1 sem  
01021

See 10th Grade Courses for Course Description.

**Plant Science** .5 credit/1 sem  
01031

**Plant Science II** .5 credit/1 sem  
01041 PREREQUISITE—Animal Plant Science I

See 10th Grade Courses for Course Description.

**Environmental Resources  
and Wildlife** .5 credit/1 sem  
01051

See 10th Grade Courses for Course Description.

**Science—Individual Goals** .5 or 1 credit/1 or 2 sem  
17535

See 9th Grade Courses for Course Description.

**Ecology and  
Environmental Science** 1 credit/2 sem  
10301 PREREQUISITE—Biology or Adv Biology

See 11th Grade Courses for Course Description.

**AP Chemistry** 1 credit/2 sem  
10541 PREREQUISITE—Chemistry or Adv. Chemistry  
And Algebra II

See 11th Grade Courses for Course Descriptions.

**AP Physics B** 1 credit/2 sem  
10461 PREREQUISITE—Physics or Adv. Physics  
and Algebra II

See 11th Grade Courses for Course Descriptions.

**Human Anatomy and  
Physiology** 1 credit/2 sem  
10081 PREREQUISITE—Biology or Adv Biology  
Chemistry/Adv Chemistry or Chemistry Today

See 11th Grade Courses for Course Descriptions.

**Plant and Animal Biology** 1 credit/2 sem  
10071 PREREQUISITE—Biology or Adv Biology

See 11th Grade Courses for Course Descriptions.

**AP Biology** 1 credit/2 sem  
10061 PREREQUISITE—Biology or Adv Biology  
Chemistry or Adv Chemistry

See 11th Grade Courses for Course Descriptions.

**Astronomy & Geology Topics** 1 credit/2 sem  
10201 PREREQUISITE—Algebra I

See 11th Grade Courses for Course Descriptions.

# Social Studies

## Requirements

9th Grade-1 Semester  
10th Grade-1 Year

11th Grade-1 Year  
12th Grade-1 Semester

PLUS

9th—12th Grade—1 Semester Elec

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program Required	Repeatable
	<b>Graduation Requirement</b>																
Civics and the US Constitution	●				Sem					●			●	●			
World Geography	●	●	●	●	Sem					●			●	●			
Ancient World History	●	●	●	●	Sem					●			●	●			
Modern World History		●			Year					●			●	●			
AP European History		●	●	●	Year					●		●	●	●			
Survey of US History I			●		Sem					●			●	●			
Survey of US History II			●		Sem					●			●	●			
AP US History I			●		Sem					●		●	●	●			
AP US History II			●		Sem					●		●	●	●			
Native American History	●	●	●	●	Sem					●			●	●			
African American History	●	●	●	●	Sem					●			●	●			
East Asian Studies	●	●	●	●	Sem					●			●	●			
Interpersonal Skills			●	●	Sem					●							
Career and Community Connections: Service Learning Experience			●	●	Sem					●				●			●
US Government				●	Sem					●			●	●			
AP Gov & Politics: US Comparative				●	Year					●		●	●	●			
Psychology				●	Sem					●			●	●			
Economics				●	Sem					●			●	●			
Social Studies - Individual Goals	●	●	●	●	Sem/Yr					●			●	●		●	●

## 9th Grade Courses

**Civics & the U.S. Constitution** .5 credit/1 sem  
11011

Course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties, and the importance of civic participation in the democratic process through the study of the founding documents and landmark court cases. This course will cover certain economic and legal topics.

**Social Studies—Individual Goals** .5 or 1 credit/1 or 2 sem  
17545

*The student's IEP will require enrolling in this course to meet Kansas Extended Standards and graduation requirements.*

The purpose of this course is to provide social studies instruction tailored to students' individual needs. Instruction will be designed in accordance with each student's learning method, rate, level, and style. Through an independent study format, students will learn to relate social studies concepts to daily living.

## Social Studies

### 10th Grade Required Courses

#### Modern World History 11061

1 credit/2 sem

The Modern World History course provides an overview of the history of human society in the past few centuries—from the Renaissance period to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

OR

#### AP European History 11071

1 credit/2 sem

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination administered by the College Board and to prepare them for college courses. It begins with the study of the Renaissance and ends with contemporary events. The following skills will be emphasized throughout this class: critical reading and thinking; research methods; information gathering and synthesizing; explanation of ideas supported by historical detail; appreciation of cause and effect relationships in history and the interaction of political, economic, social, and cultural aspects which affect history; the ability to work in cooperation in groups and to think independently. ("B" average or higher in English and social studies strongly recommended.) **Students are encouraged to take the Advanced Placement European History Exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

#### Social Studies—Individual Goals 17545

.5 or 1 credit/1 or 2 sem

See 9th Grade Courses for Course Description.

### 11th Grade Required Courses

#### Survey of US History I 11101

.5 credit/1 sem  
Fall Semester Only

#### Survey of US History II 11121

.5 credit/1 sem  
Spring Semester Only

These courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through the late 20th century. This course includes a historical overview of political, military, scientific, economic, and social developments.

OR

#### AP US History I 11141

.5 credit/1 sem  
Fall Semester Only

This course is designed to provide college-bound students with the necessary knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. It begins with the study of early American history and ends with Reconstruction. In addition to covering the major issues of this time period, this course will also look at the nature of history, historical research, and contemporary issues. A research paper or project is required. This course is recommended for college-bound students. (A "B" average or higher in English and social studies is strongly recommended.)

#### AP US History II 11161

.5 credit/1 sem  
Spring Semester Only

This course is designed to provide college-bound students with the necessary knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. It begins with the study of Industrialization and ends with the current administration. In addition to covering the major issues of this time period, the course will also look at the nature of history, historical research and contemporary issues. A research paper or project is required. This course is recommended for college-bound students. (A "B" average or higher in English and social studies courses is strongly recommended.)

**Students are encouraged to take the Advanced Placement American History Exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

#### Social Studies—Individual Goals 17545

.5 or 1 credit/1 or 2 sem

See 9th Grade Courses for Course Description.

## 12th Grade Required Courses

### US Government 11281 .5 credit/1 sem

The basic objective of the course is to provide students with the knowledge necessary to participate as citizens in governmental affairs. The topics covered may include: the Constitution, its historical background and the principles incorporated into it; the federal government, including the executive, legislative, and judicial branches and the federal bureaucracy; state and local government; elections, voting behavior, political parties, the media, interest groups, and political behavior.

### Plus one Elective Course—See Below

### OR AP Government & Politics 11321 1 credit/2 sem

This course is designed to help students successfully complete the College Board Advanced Placement Government and Politics exam and meet the district senior social studies requirement. Students will be prepared to take both the U.S. government and the comparative government exams to qualify for college credit. AP Government & Politics: United States/Comparative will give students an analytical perspective on the government and politics of not only the U.S. but also of Britain, Iran, Nigeria, Mexico, Russia, and China. Recommended for college-bound students with an interest in preparing for the College Board exams.

**Students are encouraged to take the Advanced Placement U.S. Government & Comparative Politics Exams. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

### Social Studies—Individual Goals 17545 .5 or 1 credit/1 or 2 sem

See 9th Grade Courses for Course Description.

## Recommended 9th, 10th & 11th Grade Electives

### World Geography 11021 .5 credit/1 sem

This elective course involves the study of world regions and concepts in geography. Physical, cultural, economic, political and historical geography of the world's major regions are discussed. Map skills are also an integral part of this course. Research-based projects and presentations will be required.

### East Asian Studies 11221 .5 credit/1 sem

East Asian Studies is an historical overview of East Asia focusing on China and Japan with a particular emphasis on the 20<sup>th</sup> Century. This cultural investigation of China and Japan will be infused with the historical, geographic, economic and political study of this region. East Asia's interaction with the rest of the world will also be explored.

### Native American History 11181 .5 credit/1 sem

Native American History examines the history, politics, economics, society, and/or culture of Native American groups in the United States. This course focuses primarily on the history of Native American groups and may take a comprehensive approach to studying the contemporary issues affecting Native Americans overall.

### African American History 11201 .5 credit/1 sem

African American History examines the history, politics, economics, society, and/or culture of African American groups in the United States. This course focuses primarily on the history of African American groups and may take a comprehensive approach to studying the contemporary issues affecting African American groups overall.

### Ancient World History 11041 .5 credit/1 sem

Students in this elective course will study the development of the world from prehistory to the Middle Ages. The course also includes an overview of the classical civilizations of ancient Greece and Rome and ends with the study of the Middle Ages. Research-based projects and presentations will be required.

### AP European History 11071 1 credit/2 sem

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination administered by the College Board and to prepare them for college courses. It begins with the study of the Renaissance and ends with contemporary events. The following skills will be emphasized throughout this class: critical reading and thinking; research methods; information gathering and synthesizing; explanation of ideas supported by historical detail; appreciation of cause and effect relationships in history and the interaction of political, economic, social, and cultural aspects which affect history; the ability to work in cooperation in groups and to think independently. ("B" average or higher in English and social studies strongly recommended.) **Students are encouraged to take the Advanced Placement European History Exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

## 11th & 12th Grade Electives

**Interpersonal Skills** .5 credit/1 sem  
11391 PREREQUISITE— Recommendation Required

This course is specifically designed to create and foster a reciprocal relationship between students with special needs and their general education peers as they work towards a common goal of community outreach. Students will explore four focus areas of community outreach through research and observation. Following the exploration period, students will be grouped with fellow classmates with similar interests to develop and implement a Community Impact Project (CIP).

**Career & Community Connections: Service Learning Experience** 5 credit/1 sem  
07421 PREREQUISITE— Recommendation Required

Career and Community Connections: Service Learning Experience provides students with service-work experience and community impact project development in fields related to human services. Goals are set cooperatively by the student, teacher, and community partners based on service learning framework and community needs. The course consists of service site experiences, development of community impact projects and classroom activities including progress monitoring, reflection and analysis, experience-based portfolio, further study of the field and discussion regarding experiences that students encounter within human services.

## 12th Grade Electives

**Psychology** .5 credit/1 sem  
11361

Psychology literally means "the study of the mind." The course will attempt to explain the behavior of humans as individuals as well as their behavior in groups. The course will be a general survey of psychology and will include: personality theory, disorders and therapy, social psychology, behaviorism, consciousness, physiological psychology and psychology-related careers. A research project may be required.

**Economics** .5 credit/1 sem  
11381

This course applies macro and micro economic principles to current issues in order to acquire some perspective on the future. Practical applications to everyday economic issues will be covered. Students will acquire knowledge of the economic system in the U.S., as well as other economic systems throughout the world.

## Health and Physical Education

Students are required to take two semesters of Health/Physical Education in grade 9. Additional Health/Physical Education courses may be taken for elective credit.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program Required	Repeatable
	<b>Graduation Requirement</b>																
Physical Education 9	•				Sem			•									
Health 9	•				Sem			•									
Intro to Health Careers	•	•	•	•	Sem												
Physical Fitness and Weight Training	•	•	•	•	Sem												•
Aerobic Fitness	•	•	•	•	Sem												•
Dance	•	•	•	•	Sem												•
Tumbling	•	•	•	•	Sem												•
Swimming I	•	•	•	•	Sem												
Swimming II		•	•	•	Sem												•
Basketball, Softball, Speed Football, Related Activities		•	•	•	Sem												•
Lifetime Sports		•	•	•	Sem												•
Individual Fitness and Wellness			•	•	Sem												•

## 9th Required Grade Courses

### Physical Education 9 .5 credit/1 sem 06031

Activities are designed to provide skills and knowledge in sports and related activities in order to develop and maintain physical efficiency along with physical, mental, emotional and social wellness. All physical education classes begin with warm-up exercises designed to stretch and strengthen the muscles. Activities and sports that may be included are: volleyball, soccer, gymnastics, aerobic activities, recreational sports, speedball, team handball, ultimate Frisbee, basketball, track and field, softball, badminton, recreational sports, and several "fun" games and activities. Emphasis in class includes skills, knowledge, fitness, participation and disposition. All physical education classes are coeducational. The students may or may not be required to wear a uniform (shorts and shirt in school colors) for class.

### Health 9 .5 credit/1 sem 06011

Health 9 is an application-based course that will engage students in the processes and reflection behind making decisions that support a healthy lifestyle. Students will focus on health enhancing behaviors, services, and products while also studying disease prevention, the influence of culture and societal factors, advocating community health, goal-setting, and decision making.

## Health and Physical Education

### 9th, 10th, 11th and 12th Grade Courses

#### **Physical Fitness & Weight Training** .5 credit/1 sem 06001

This course is designed to upgrade the general fitness level of each student enrolled in the class. Fundamentals of weight training, form and proper technique will be stressed. Conditioning and weight lifting will be used to improve strength and endurance. The course curriculum will include fitness testing, jogging, weight training, sprinting and stretching. Class competitions will be conducted.

#### **Aerobic Fitness** .5 credit/1 sem 06341

This course is designed for the student who wants to get in shape and have fun. All activities will involve the use of music. The class will start on a beginner level and progress to an advanced level. Activities may include: jogging/walking (varying distances), video workouts, weights, and dance works/step bench aerobics. Students will be graded on attendance, participation, individual progress and final exam.

#### **Dance** .5 credit/1 sem 06021

The first nine weeks of this course will concentrate on beginning to intermediate levels of ballet. Skills will be taught through stretching exercises, barre technique and movement across the floor. The second nine weeks will involve modern dance, some jazz dance and rhythmic aerobics. Students will be evaluated on the routines and combinations of steps learned in class. Dance fitness will also be incorporated into the course through exercise to music and aerobic routines.

### 10th—12th Grade Courses

#### **Lifetime Sports** .5 credit/1 sem 06221

This course is intended to develop the student's skill, knowledge and self-confidence in various activities that will have a carry-over value in later life. Lifetime Sports activities may include: bowling, golf, tennis, volleyball, slo-pitch softball, badminton, billiards, table tennis, archery, jogging, basketball and pickle-ball. The sports covered in this class each semester will vary with seasonal adaptations, the number of students enrolled in each section, and the availability of equipment and facilities.

#### **Swimming II** .5 credit/1 sem 06141

Students who have completed and passed Red Cross elementary class are eligible for this course. This course will begin at an intermediate level and progress through an advanced level. Additional life saving skills will be introduced, together with instruction in springboard diving. Please Note: Students enrolled in swimming classes or classes that involve swimming must provide their own swim suits. All swim suits must be acceptable for class. Girls must wear one-piece swim suits.

#### **Basketball, Softball, Speed Football and Other Related Activities** .5 credit/1 sem 06281

One quarter of this course will cover basketball; the other quarter will include speed football and softball. Basic skills, rules and strategies will be taught with each sport. Testing, fitness activities and class competition will be included throughout the semester.

#### **Introduction to Health Careers** .5 credit/1 sem 06321

Introduction to Health Careers exposes students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, dental care, administrative services, and lab technology). This course will focus on "real life" situations including, but not limited to stress, relationships, alcohol and other drugs, basic first aid, death, and a knowledge related to the health care industry as a whole.

#### **Tumbling** .5 credit/1 sem 06041

Basic tumbling stunts will be covered the first quarter of the class. These stunts will include: rolls (forward and backward), cartwheels (alternating lead leg), back extension rolls, and other combinations of elementary tumbling. Power tumbling and sequential tumbling will be emphasized during the second quarter of the course. Somersaults (forward and backward) will be taught with the aid of the vaulting board. By the end of the semester, students should be competent in elementary techniques and some power techniques. Evaluations will be made periodically to check the student's progress.

#### **Swimming I** .5 credit/1 sem 06121

This course is designed for those students who have had little or no previous swimming experience. The class will cover strokes and skills taught in elementary Red Cross courses. Also included are basic lifesaving skills and work that is fundamental to diving. Please Note: Students enrolled in swimming classes or classes that involve swimming must provide their own swim suits. All swim suits must be acceptable for class. Girls must wear one-piece swim suits.

### 11th and 12th Grade Courses

#### **Individual Fitness and Wellness** .5 credit/1 sem 14031

This course is for those who wish to develop an individual personal lifetime fitness program for themselves. The student will research and develop their own personal health and fitness goals and with the guidance of the teacher implement an individualized fitness program designed for themselves.

## Fine Arts

Students are required to complete 1 year/2 credits of Fine Arts for graduation. For performance groups there may be some personal costs for such things as uniform items, uniform cleaning, school-owned instruments and travel. A fund-raising program is provided to assist with expenses. Enrollment in these courses will require student participation in concerts, programs and other events outside regular school hours. All performing groups are designed for a year's participation.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admin	NCAA Eligibility	Audition/Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
	<b>Graduation Requirement</b>																	
<b>Visual Arts</b>																		
Exploring Art	•	•	•	•	Sem						•							
Ceramics/Sculpture	•	•	•	•	Sem						•							
Ceramics/Sculpture Studio		•	•	•	Sem						•						•	
Draw ing	•	•	•	•	Sem						•							
Draw ing and Painting Studio		•	•	•	Sem						•						•	
Jew elry/Art Metals	•	•	•	•	Sem						•							
Jew elry/Art Metals Studio		•	•	•	Sem						•						•	
Photography	•	•	•	•	Sem						•							
Photography Studio		•	•	•	Sem						•						•	
Digital Imaging	•	•	•	•	Sem						•							
Digital Imaging Studio		•	•	•	Sem						•						•	
AP Studio Art: Draw ing			•	•	Sem						•	•					•	
AP Studio Art: 2-D Design			•	•	Sem						•	•					•	
AP Studio Art: 3-D Design			•	•	Sem						•	•					•	
Humanities			•	•	Sem	•					•		•	•				
Portfolio			•	•	Sem						•						•	
<b>Music</b>																		
Concert Band	•				Yr						•							
Symphonic Band		•	•	•	Yr						•						•	
Wind Ensemble		•	•	•	Yr						•			•			•	
Jazz Band I	•	•	•	•	Sem						•						•	
Jazz Band II	•	•	•	•	Sem						•						•	
Freshman/Sophomore Men's Chorus	•	•			Yr						•						•	
Freshman/Sophomore Women's Chorus	•	•			Yr						•						•	
Concert Choir/Concert Chorale			•	•	Yr						•						•	
Jr/Sr Women's Choir			•	•	Yr						•						•	
A Cappella Choir/Chamber Choir			•	•	Yr						•			•			•	
Freshman Orchestra	•				Yr						•							
Concert Orchestra		•	•	•	Yr						•						•	
Symphonic Orchestra		•	•	•	Yr						•			•			•	
Music Theory	•	•	•	•	Sem						•							
Music Theory/Jazz Improvisation	•	•	•	•	Sem						•						•	
AP Music Theory			•	•	Yr						•	•						

## Fine Arts

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admin	NCAA Eligibility	Audition/Recommendation Required	Alternative Program (Requires IEP)	Repeatable
	Graduation Requirement																
<b>Theater/Oral Communications</b>																	
Introduction to Theater	●	●	●	●	Sem						●						
Acting I		●	●	●	Sem						●						
Issue Theater		●	●	●	Sem						●						
Stagecraft		●	●	●	Sem						●						
Acting II			●	●	Sem						●						
Acting III/Directing			●	●	Sem						●						
Debate I & II	●	●	●	●	Sem						●						
Debate III & IV			●	●	Sem						●			●			
Forensics I, II, III, IV	●	●	●	●	Sem						●						
<b>Dance</b>																	
Dance	●	●	●	●	Sem			●			●						●

## 9th Grade Courses

### Exploring Art .5 credit/1 sem 04111

Students will create art in a variety of 2 dimensional and 3 dimensional media which could include: drawing, painting, mixed media, printmaking, computer art, and sculpture. Emphasis will be on creative problem-solving, composition, and skill development. Art production, art history and communication through art will be explored. Students of all grades and ability levels are welcome.

**A \$20.00 materials fee is required.**

### Ceramics/Sculpture .5 credit/1 sem 04181

The student will explore the potential of clay as a functional and sculptural material. This investigation will include a variety of ceramic materials and processes such as hand-building, molding, throwing, surface treatments and firing. A historical perspective of ceramics and sculpture will be introduced.

**A \$25.00 materials fee is required.**

### Drawing .5 credit/1 sem 04121

This is a class for students who love to draw, or who would like to learn how to draw. The goal of this class is to teach students how to accurately draw from observation. Through sequential drawing exercises in a variety of media, students will gain skill, understanding and confidence in their observational skills, which will enrich their imaginative drawing abilities.

**A \$25.00 materials fee is required.**

### Jewelry/Art Metals .5 credit/1 sem 04201

This course is an introduction to the design and fabrication of small-scale objects and jewelry exploring techniques such as metalsmithing, simple stone setting and enameling. Materials may include various metals, wood, plastic and mixed-media materials. A historical perspective of jewelry and sculpture will be introduced.

**A \$25.00 materials fee is required.**

### Photography .5 credit/1 sem 04061

The emphasis of this beginning photography class is for students to learn the technical aspects of photography as well as the principles of photographic composition. Camera operation, film development, and the printing of black and white images will be studied while the student learns how to make a meaningful visual statement. The history of photography and some creative special effects will also be included in this course.

A 35 mm film camera (not digital) is needed for this class. A limited number of cameras will be available for short term check out for students who do not have access to one.

**A \$45.00 materials fee is required.**

### Digital Imaging .5 credit/1 sem 04141

Students become acquainted with various aspects of the graphic design field in this course. Topics include the ways in which visual messages are used in society, the skills needed by a graphic designer and the potential areas of specialization and employment. Students will focus on creating art products such as logos, typographic images, posters, self portraits, book layouts as well as investigating different periods and styles of graphic design. Emphasis is placed on creating and manipulating original imagery with Adobe Creative Suite.

**A \$25.00 materials fee is required.**

## 9th Grade Courses, Cont.

### Freshman/Sophomore Men's Choir 1 credit/2 sem 04501

### Freshman/Sophomore Womens's Choir 1 credit/2 sem 04501

This is an elective class designed to provide ninth and tenth grade students experiences in choral music singing and performance. Students are required to attend all rehearsals and performances. Academic eligibility is required for participation at KSHSAA Regional and State Festivals. Students will:

- experience and learn to appreciate a wide variety of musical styles
- develop vocal technical skills
- learn how to protect and care for the voice
- improve music fundamentals and sight reading skills
- develop ensemble singing skills in interpretation, balance, blend, and intonation
- applying learned skills in music performances

**A \$5.00 uniform fee is required for all choirs.**

### Music Theory .5 credit/1 sem 04541

This class is a basic music theory course especially designed for students desiring greater knowledge about the inner workings of music including melody, harmony, rhythm, chords and the mechanics of writing music. It is highly recommended for any student who anticipates taking music theory in college. Students should have the ability to read printed music.

### Music Theory/Jazz Improvisation .5 credit/1 sem 04651

This course provides a context in which the experienced musician may develop their creativity in improvisation, with a focus on jazz. Students will develop intermediate music theory skills including chord progressions, chord voicings, voice-leading, harmonization of melodies, chord-scale theory, non-functional harmony, jazz rhythm and jazz form. Regular assignments will include writing, analyzing and performing arrangements of standard melodies and original tunes. Students should have the ability to read printed music. It is also strongly recommended that the student have acquired at least a basic performance skill in voice or on an instrument.

### Introduction to Theater .5 credit/1 sem 09131

Introduction to the Theater provides an overview of the art, conventions, and history of the theater. The course will emphasize learning about the theater rather than performance. Students will learn all of the elements that go into a full theatrical production, both onstage and offstage, as well as historical, literary, and cultural background material.

### Dance .5 credit/1 sem 06021

The first nine weeks of this course will concentrate on beginning-intermediate levels of ballet. Skills will be taught through stretching exercises, barre technique and movement across the floor. The second nine weeks will involve modern dance, some jazz dance and rhythmic aerobics. Students will be evaluated on the routines and combinations of steps learned in class. Dance fitness will also be incorporated into the course through exercise to music and aerobic routines.

### Concert Band 1 credit/2 sem 04411 PREREQUISITE—Band 8

The Concert Band is comprised of all freshman students who have had prior band experience. Students will perform a variety of concert band literature for the entire school year. Students will also experience pep band activities.

Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director. *Only currently enrolled members of Concert Band, Symphonic Band or Wind Ensemble may participate in KSHSAA music events and all KMEA music events.*

### Freshman Orchestra 1 credit/2 sem 04451 PREREQUISITE—Orchestra 8

The class will include:

- experiencing, understanding, and learning to appreciate a variety of musical styles
- improving specific techniques in shifting, vibrato, bowing styles and tone production
- improving sight-reading skills
- advancing ensemble playing skills in balance, blend, and intonation
- playing literature appropriate for the skill level of the orchestra
- applying learned skills in music performances

Grading is based on musical development, appropriate class participation and concert attendance.

Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director. *Only currently enrolled members of Freshman, Concert or Symphonic Orchestra may participate in KSHSAA music events and all KMEA music events.*

### SPECIAL NOTE FOR BAND & ORCHESTRA STUDENTS

**Students are expected to provide their own instrument. To use a school-owned instrument, a student must be currently enrolled in the instrumental program. There is a \$50 maintenance fee for school-owned instruments. School-owned instruments: oboe, bassoon, tenor saxophone, baritone saxophone, French horn, baritone/euphonium, tuba, cello, bass and percussion equipment. Flute, clarinet, alto saxophone, trumpet, trombone, violin and viola are not provided by the district at the secondary level.**

**A \$25.00 Co-Curricular fee is required for all Band and Orchestra students.**

## 9th Grade Courses, Cont

### Debate I .5 credit/1 sem 09001

Debate is a course open to all high school students eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Students will learn techniques of research, organization of ideas, fluency in speaking, note-taking skills and the ability to look at all sides of an issue. Participation in some debate tournaments is required. Students will assist in the administration of at least one debate tournament on a Friday and Saturday during the semester. Debate is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing persuasive speaking skills and exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, earn a letter, and/or compete at the State Championship and National Championship tournaments in debate. Debate is offered first semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

### Forensics I .5 credit/1 sem 09041

Forensics is a course open to all high school students eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Forensics offers opportunities for individual participation in competitive speaking. The events covered are as follows: extemporaneous speaking, oratory, informative speaking, humorous and dramatic interpretation, duet acting, duo interpretation, oral interpretation of prose and/or poetry, Lincoln-Douglas debate, public forum debate, and student congress. Participants are given the opportunity of participating in up to eight speech tournaments held throughout the state, and participation in some forensics tournaments is required. Students will assist in the administration of at least one Forensics tournament on a Friday and Saturday during the semester. Forensics is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing speaking skills, acting skills, and/or exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, earn a letter, and/or compete at the State Championship and National Championship tournaments in Forensics. Forensics is offered second semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

## 10th Grade Courses

### Exploring Art .5 credit/1 sem 04111

See 9th Grade Courses for Course Description.

### Ceramics/Sculpture .5 credit/1 sem 04181

See 9th Grade Courses for Course Description.

### Drawing .5 credit/1 sem 04121

See 9th Grade Courses for Course Description.

### Jewelry/Art Metals .5 credit/1 sem 04201

See 9th Grade Courses for Course Description.

### Photography .5 credit/1 sem 04061

See 9th Grade Courses for Course Description.

### Digital Imaging .5 credit/1 sem 04141

See 9th Grade Courses for Course Description.

### Digital Imaging Studio .5 credit/1 sem 04081 PREREQUISITE—Digital Imaging

Skills introduced in Graphic Design I are expanded on with advanced software and design techniques. Graphic Design II investigates the computer's influence on and role in creating contemporary designs and provides a cultural and historical study of master design works of different periods and styles.

Using Adobe Creative Suite students will focus on creating art products such as identity symbols, package design, caricatures, promotional items, and advanced typography. Further emphasis will be placed on contemporary design trends and workflow skills.

**A \$25.00 materials fee is required.**

### Ceramics/Sculpture Studio .5 credit/1 sem 04241 PREREQUISITE—Ceramics/Sculpture

Students will develop expressive and advanced technical skills in ceramics and sculpture. Advanced design concepts in form and surface decoration will be explored. Traditional and contemporary ceramics/sculpture will be studied as a basis for design concepts.

**A \$25.00 materials fee is required.**

### Drawing/Painting Studio .5 credit/1 sem 04131 PREREQUISITE—Drawing

Drawing and Painting Studio is the class for students who want to master perceptual drawing and painting skills. Every semester, students will learn new approaches to drawing and painting the figure, still life, and structural environment, with the goal of perceptual accuracy coupled with individual personal expressions and visual power. A wide variety of dry and wet media will be utilized in this intensive lab class.

**A \$25.00 materials fee is required.**

### Jewelry/Art Metals Studio .5 credit/1 sem 04261 PREREQUISITE—Jewelry/Art Metals

Students will develop expressive and advanced technical skills in jewelry and art metals. Advanced design concepts in form and surface decoration will be explored. Traditional and contemporary jewelry/art metals will be studied as a basis for design concepts.

**A \$25.00 materials fee is required.**

### Photography Studio .5 credit/1 sem 04101 PREREQUISITE—Photography

This course provides further exploration of black and white photographic techniques with an emphasis on personal creative expression. Image manipulation, historic movements in photography and advanced darkroom skills will be covered.

Students are expected to provide their own 35 mm SLR cameras, but a limited number of SLR cameras will be available for short-term check out for students who do not have access to one.

**A \$45.00 materials fee is required.**

## 10th Grade Courses, Cont.

**Freshman/Sophomore Men's Choir** 1 credit/2 sem  
04501

**Freshman/Sophomore Womens's Choir** 1 credit/2 sem  
04501

See 9th Grade Courses for Course Description.

**Music Theory** .5 credit/1 sem  
04541

See 9th Grade Courses for Course Description.

**Music Theory/Jazz Improvisation** .5 credit/1 sem  
04651

See 9th Grade Courses for Course Description.

**Intro to Theater** .5 credit/1 sem  
09131

See 9th Grade Courses for Course Description.

**Stagecraft** .5 credit/1 sem  
09301

Stagecraft is the course which allows students to explore the technical elements of theatre. Various units will focus on lights, sound, costumes, makeup, properties, publicity, and set design. In addition, students will aid in the construction of sets for school productions. Proper and safe use of tools and the maintenance and care of equipment are vital parts of the course. Students will also read and discuss play scripts, with an emphasis on design. Ten hours of actual physical crew work outside of the class is required. This course may be repeated for credit.

**Acting I** .5 credit/1 sem  
09141

This course will provide the student with a comprehensive study of acting techniques including the steps in understanding, developing and presenting a character. Many opportunities for in-class performance will be provided. Further, the course will provide the students a basis for the evaluation of the performance of others.

**Issue Theatre** .5 credit/1 sem  
09191 **PREREQUISITE—Audition Required or Permission of Instructor**

In this class, scenes will be developed through improvisation and shared with the student body in various formats. The purpose of the class is to use theatre as a springboard for discussion of issues such as diversity, substance abuse, male/female relationships, peer pressure, etc. In addition to preparing and performing scenes, this class will feature expert presentations on various issues, including alcohol and drug abuse, depression, crimes of violence, discrimination and more. Students who enroll in the class must be able to work independently.

**Symphonic Band** 1 credit/2 sem  
044401 **PREREQUISITE—Concert Band**

The Symphonic Band curriculum includes marching band for approximately the first nine weeks. The remainder of the year will focus on preparation and performance of medium to advanced wind band literature. Dates and times of the summer band session, which all band students should plan to attend, will be mailed to students enrolled in band. This session will begin approximately three weeks prior to the beginning of the school year.

*Only currently enrolled members of Concert Band, Symphonic Band or Wind Ensemble may participate in KSHSAA music events and all KMEA music events.*

*Note: Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director.*

**Concert Orchestra** 1 credit/2 sem  
04461 **PREREQUISITE—Freshman Orchestra**

Concert Orchestra allows experienced string players the opportunity to perform literature composed for chamber ensemble and string orchestra. Daily rehearsals allow students to increase their technical proficiency and develop a greater appreciation for orchestral literature. Students are required to attend all rehearsals and performances. Playing examinations are a part of the student's evaluation.

Grading is based on musical development, appropriate class participation and concert attendance.

Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director.

*Only currently enrolled members of Freshman, Concert or Symphonic Orchestra may participate in KSHSAA music events and all KMEA music events.*

**SPECIAL NOTE FOR BAND & ORCHESTRA STUDENTS**

**Students are expected to provide their own instrument. To use a school-owned instrument, a student must be currently enrolled in the instrumental program. There is a \$50 maintenance fee for school-owned instruments. School-owned instruments: oboe, bassoon, tenor saxophone, baritone saxophone, French horn, baritone/euphonium, tuba, cello, bass and percussion equipment. Flute, clarinet, alto saxophone, trumpet, trombone, violin and viola are not provided by the district at the secondary level.**

**A \$25.00 Co-Curricular fee is required for all Band and Orchestra students.**

**Forensics I** .5 credit/1 sem  
09041

**Forensics II** .5 credit/1 sem  
09051 **PREREQUISITE—Forensics I**

See 9th Grade Courses for Course Description.

**Debate I** .5 credit/1 sem  
09001

**Debate II** .5 credit/1 sem  
09011 **PREREQUISITE—Debate I**

See 9th Grade Courses for Course Description.

**Dance** .5 credit/1 sem  
06021

See 9th Grade Courses for Course Description.

## 11th & 12th Grade Courses

**Exploring Art** .5 credit/1 sem  
04111

See 9th Grade Courses for Course Description.

**Ceramics/Sculpture** .5 credit/1 sem  
04181

See 9th Grade Courses for Course Description.

**Drawing** .5 credit/1 sem  
04121

See 9th Grade Courses for Course Description.

**Jewelry/Art Metals** .5 credit/1 sem  
04201

See 9th Grade Courses for Course Description.

**Photography** .5 credit/1 sem  
04061

See 9th Grade Courses for Course Description.

**Digital Imaging** .5 credit/1 sem  
04141

See 9th Grade Courses for Course Description.

**Ceramics/Sculpture Studio** .5 credit/1 sem  
04241 PREREQUISITE—Ceramics/Sculpture

See 10th Grade Courses for Course Description.

**Drawing/Painting Studio** .5 credit/1 sem  
04131 PREREQUISITE—Drawing

See 10th Grade Courses for Course Description.

**Jewelry/Art Metals Studio** .5 credit/1 sem  
04261 PREREQUISITE—Jewelry/Art Metals

See 10th Grade Courses for Course Description.

**Photography Studio** .5 credit/1 sem  
04101 PREREQUISITE—Photography

See 10th Grade Courses for Course Description.

**Digital Imaging Studio** .5 credit/1 sem  
04081 PREREQUISITE—Digital Imaging

See 10th Grade Courses for Course Description.

**Portfolio** .5 credit/1 sem  
04171

Portfolio is a class for students who desire to pursue art studies after high school. Students will create work that clearly demonstrates new technical skills, increasing conceptual thinking and reflecting their personal interests. Individual critiques and planned group activities will help each student achieve at a competitive level. **A \$25.00 materials fee is required.**

**Humanities** .5 credit/1 sem  
04661 (FA) 03221 (ENG)

This multi-disciplinary course involves the study of culture through the examination of its belief and value systems, rules, customs and artifacts, particularly as reflected in the fine arts—language, literature, art, music, dance, drama, and cinema. Students will study selected past cultures of Western civilization. Research and/or creative projects are required. In addition, students will write reaction papers and take tests over material examining various art forms as well as the works of specific artists. The course may be taken for English or Fine Arts credit.

**Intro to Theater** .5 credit/1 sem  
09131

See 9th Grade Courses for Course Description.

**Acting I** .5 credit/1 sem  
09141

See 10th Grade Courses for Course Description.

**Acting II** .5 credit/1 sem  
09161 PREREQUISITE—Acting I

Designed for the serious acting student, Acting II offers further opportunity for character analysis and development. Scene study is combined with an exploration of theatre history, including political and cultural influences on the theatre of various periods (from Ancient Greece to the early 20th century).

**Acting III/Directing** .5 credit/1 sem  
09181 PREREQUISITE—Acting II

This advanced course concentrates on specialized acting skills and gives those students who want the opportunity to pursue the craft beyond acting and technical work. Areas of study for those focusing on acting include: physical and vocal exercises and techniques; reading, viewing, and analyzing plays; auditioning, investigation of acting theories, and actual performance situations. Students focusing on directing will study various techniques and theories of directing. Students will be required to spend some time outside of class so that they may practically experience techniques discussed in class. Productions may be presented to the class and/or the student body. Students in the class must be able to work independently when they are not under direct supervision.

**Issue Theatre** .5 credit/1 sem  
09191 PREREQUISITE—Audition Required or Permission of Instructor

See 10th Grade Courses for Course Description.

**Music Theory** .5 credit/1 sem  
04541

See 9th Grade Courses for Course Description.

**Music Theory/Jazz Improvisation** .5 credit/1 sem  
04651

See 9th Grade Courses for Course Description.

**AP Music Theory** .5 credit/1 sem  
04601

This course is designed to provide college-bound students with the knowledge and skills to successfully complete the Advanced Placement examination administered by the College Board and to prepare them for college courses. Students will study melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing and keyboard harmony are also taught.

Students may participate in the College Board's Advanced Placement Program in May for college credit.

Students should have the ability to read printed music. It is also strongly recommended that the student have acquired at least a basic performance skill in voice or on an instrument.

**Students are encouraged to take the Advanced Placement Music Theory Exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

## 11th & 12th Grade Courses, Cont.

**Stagecraft** .5 credit/1 sem  
09301

See 9th Grade Courses for Course Description.

**Symphonic Band** 1 credit/2 sem  
04441 PREREQUISITE—Concert Band

See 10th Grade Courses for Course Description.

**Concert Orchestra** 1 credit/2 sem  
04461 PREREQUISITE—Freshman Orchestra

See 10th Grade Courses for Course Description.

**Dance** .5 credit/1 sem  
06021

See 9th Grade Courses for Course Description.

**Forensics I** .5 credit/1 sem  
09041

**Forensics II** .5 credit/1 sem  
09051 PREREQUISITE—Forensics I

**Forensics III** .5 credit/1 sem  
09061 PREREQUISITE—Forensics II

**Forensics IV** .5 credit/1 sem  
09071 PREREQUISITE—Forensics III

See 9th Grade Courses for Course Description.

## Recommendation or Audition Required

### 10th, 11th or 12th Grade

**Wind Ensemble** 1 credit/2 sem  
04481 PREREQUISITE—Audition Required

The Wind Ensemble curriculum includes marching band for approximately the first nine weeks. The remainder of the year will focus on preparation and performance of advanced wind band literature. Dates and times of the summer band session, which all band students should plan to attend, will be mailed to students enrolled in band. This session will begin approximately three weeks prior to the beginning of the school year.

Only currently enrolled members of Concert Band, Symphonic Band or Wind Ensemble may participate in all KSHSAA music events and all KMEA music events.

*Note: Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director.*

**Symphonic Orchestra** 1 credit/2 sem  
04471 PREREQUISITE—Audition Required

This organization will be made up of string players and will be complemented by wind, brass and percussion players in wind ensemble.

Students will be required to pay fees for basic uniform, supplies, equipment, and uniform cleaning. Detailed information regarding these costs can be obtained by contacting the school band director.

Only currently enrolled members of Freshman, Concert or Symphonic Orchestra may participate in KSHSAA music events and all KMEA music events.

#### SPECIAL NOTE FOR BAND & ORCHESTRA STUDENTS

Students are expected to provide their own instrument. To use a school-owned instrument, a student must be currently enrolled in the instrumental program. There is a \$50 maintenance fee for school-owned instruments. School-owned instruments: oboe, bassoon, tenor saxophone, baritone saxophone, French horn, baritone/euphonium, tuba, cello, bass and percussion equipment. Flute, clarinet, alto saxophone, trumpet, trombone, violin and viola are not provided by the district at the secondary level.

A \$25.00 Co-Curricular fee is required for all Band and Orchestra students.

**Jazz Band I** .5 credit/1 sem  
**Jazz Band II**  
04431/04421 PREREQUISITE—Audition Required

Jazz bands are audition-only ensembles that meet outside the school day. The bands consist of standard big band instruments (4-5 trumpets, 4-5 trombones, 5 saxes, and a rhythm section). The groups provide musicians with an opportunity to play standard big band literature, learn to improvise, and to be exposed to jazz history. Woodwind, brass, and percussion players must be enrolled in band all year, vocalists must be enrolled in choir all year, and string bass players must be enrolled in orchestra all year. Guitar and piano are the exceptions, since they are not taught in a class. Auditions are held in September. **Attendance at all rehearsals and performances is required.** Upon being accepted into the bands, students will be enrolled for credit, which will show on the second semester grade card. Jazz band is a performance oriented group that will perform several times during the school year, including some evening and weekend performances. Private lessons and personal practice enhance the students' achievements.

## Recommendation or Audition Required, Cont.

### 11th or 12th Grade, Continued

**Concert Choir—LHS** 1 credit/2 sem  
04571 PREREQUISITE—Audition Required

**Concert Chorale—FSHS** 1 credit/2 sem  
04571 PREREQUISITE—Audition Required

**Jr/Sr Women’s Choir** 1 credit/2 sem  
04571 PREREQUISITE—Audition Required

Enrollment in this class is by audition, as it is designed for the advanced choral music student. Concert Choir Concert Chorale (males and females) and Jr/Sr Women’s Choir strive for excellence in choral ensemble singing and performance. Academic eligibility is required for participation at KSHSAA Regional and State festivals. Students are required to attend all rehearsals and performances.

NOTE: Jr/Sr Women’s Choir will be available only when enrollment necessitates.

This comprehensive choral class will provide the following opportunities:

- healthy development of the singing voice
- advancement of music reading skills
- study and performance of choral literature, including music of various historical periods, multi-cultural music, traditional and contemporary styles
- development of an appreciation for community music-making, and preparation for continued enjoyment of music in later life.

**A \$25.00 Co-Curricular Fee is required for Auditioned Choirs.**  
**A \$5.00 Uniform Fee is required for all choirs.**

**A Cappella Choir—LHS** 1 credit/2 sem  
04581 PREREQUISITE—Audition Required

**Chamber Choir—FSHS** 1 credit/2 sem  
04581 PREREQUISITE—Audition Required

Enrollment in this class is by audition, as it is designed for the advanced choral music student. Jr/Sr Women’s Choir and Concert Chorale (males and females) strive for excellence in choral ensemble singing and performance. Academic eligibility is required for participation at KSHSAA Regional and State festivals. Students are required to attend all rehearsals and performances.

This comprehensive choral class will provide the following opportunities:

- healthy development of the singing voice
- advancement of music reading skills
- study and performance of choral literature, including music of various historical periods, multi-cultural music, traditional and contemporary styles
- development of an appreciation for community music-making, and preparation for continued enjoyment of music in later life.

**A \$25.00 Co-Curricular Fee is required for Auditioned Choirs.**  
**A \$5.00 Uniform Fee is required for all choirs.**

**AP Studio Art: Drawing (04321)** .5 credit/1 sem

**AP Studio Art: 2D Design (04331)**

**AP Studio Art: 3D Design (04341)**

PREREQUISITE—Permission of Instructor

These courses teach students a variety of concepts and approaches in Drawing, 2-D Design, or 3-D Design so that the student is able to demonstrate a range of abilities and versatility with technique, problem solving and ideation (i.e., “breadth”). Such conceptual variety can be demonstrated through either the use of one or the use of several media. Students will meet with the teacher supervising their area of concentration.

These courses enable students to develop a body of work investigating a strong underlying visual idea in Drawing, 2-D Design, or 3-D Design that grow out of a coherent plan of action or investigation (i.e., a “concentration”). They are designed to provide college-bound students with the knowledge and skills to successfully complete the advanced placement examination.

**Students are encouraged to take the Advanced Placement Art Exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

**Debate III** .5 credit/1 sem  
09021 PREREQUISITE—Debate II

**Debate IV** .5 credit/1 sem  
09031 PREREQUISITE—Debate III

Debate III & IV are a continuation of the lower level Debate classes. Students must be eligible to compete under guidelines set forth by the Kansas State High School Activities Association. Debate III & IV offer students the opportunity to work on increasingly complex methods of research, argumentation and presentation of ideas. Participation in some tournaments is required. Students will assist in the administration of at least one debate tournament on a Friday and Saturday during the semester. Debate is recommended for college-bound students, but it may be an enjoyable and rewarding learning experience for anyone with an interest in developing persuasive speaking skills and exploring contemporary social, political, and economic questions. Students may earn the opportunity to fulfill leadership roles on the squad, to earn a letter, and/or compete at the State Championship and National Championship tournaments in debate. Debate is offered first semester only.

**A \$25.00 Co-Curricular fee is required for all Debate and Forensic students.**

## World Language

Research shows that the study of another language affords a number of academic, professional, community, and personal advantages. World Language courses are designed to introduce and develop language and cultural proficiency, which are valuable 21<sup>st</sup> century skills. Success in language study requires work in- and outside of the classroom in order to acquire the listening, reading, writing, and speaking skills necessary for ever-increasing levels of proficiency.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
	<b>Graduation Requirement</b>																
Spanish I	•	•	•	•	Year								•				
Spanish II	•	•	•	•	Year								•				
Spanish III		•	•	•	Year								•				
Spanish IV			•	•	Year								•				
Spanish V				•	Year								•				
French I	•	•	•	•	Year								•				
French II		•	•	•	Year								•				
French III			•	•	Year								•				
French IV			•	•	Year								•				
German I	•	•	•	•	Year								•				
German II		•	•	•	Year								•				
German III			•	•	Year								•				
German IV			•	•	Year								•				
Latin I	•	•	•	•	Year								•				
Latin II		•	•	•	Year								•				
Latin III			•	•	Year												
AP Latin: Vergil			•	•	Year						•		•				
Mandarin Chinese I	•	•	•	•	Year												
Chinese II		•	•	•	Year												
Chinese III			•	•	Year												

## World Language Levels I, II, III, IV and V

### World Language Level I

The purpose of level I World Language courses is to begin acquiring another language by learning vocabulary and language structure, and through the exploration of culture. The four language skills of listening, speaking, reading, and writing will be developed through practice and study in the target language. Cultural awareness activities may incur a nominal fee.

### World Language Level II

Students will continue developing all four language skills (listening, speaking, reading, and writing). Level II World Language courses enable students to communicate with speakers of the language at a novice level. A variety of cultural experiences will be included for which students may incur nominal expenses.

### World Language Level III

Students will continue to demonstrate a greater ability to create and express their own thoughts in speaking and writing, as well as to improve their reading and listening skills. These communication skills can be used effectively with sympathetic native speakers using everyday language. This course also includes an introduction to literature, art, and essay writing. Cultural activities may incur a nominal fee.

### World Language Level IV

Students continue to develop proficiency in listening, speaking, reading and writing in each course. They will be able to understand a native speaker not accustomed to dealing with foreigners. They will continue to improve their creative oral expression and writing, and explore literature and cultural aspects of the language. The course will be conducted in the target language.

### World Language Level V

Students at this advanced level will be able to converse with native speakers on a wide range of topics. Speaking and writing will reflect increasing accuracy in compositions and routine social correspondence. Students will comprehend an extensive array of authentic works and will extend their ability to function in culturally appropriate ways. The course will be conducted in the target language.

## World Language

### 9th Grade Courses

**Spanish I** 05221 1 credit/2 sem

**Spanish II** 05241 1 credit/2 sem  
PREREQUISITE—Spanish I

**Latin I** 05161 1 credit/2 sem

Emphasis in Latin will be on reading comprehension, pronunciation and vocabulary building. Students will also be introduced to various aspects of the culture of Romans, including a thorough investigation of Greek and Roman Mythology.

**French I** 05001 1 credit/2 sem

**German I** 05081 1 credit/2 sem

**Mandarin Chinese I** 05601 1 credit/2 sem

Mandarin Chinese I is offered in conjunction with the Confucius Institute at the University of Kansas.

### 10th Grade Courses

**Spanish I** 05221 1 credit/2 sem

**Spanish II** 05241 1 credit/2 sem  
PREREQUISITE—Spanish I

**Spanish III** 05261 1 credit/2 sem  
PREREQUISITE—Spanish II

**Latin I** 05161 1 credit/2 sem

See 9th Grade Courses for Course Description.

**Latin II** 05181 1 credit/2 sem  
PREREQUISITE—Latin I

Emphasis in Latin will be on reading comprehension and pronunciation, and completes the survey of Latin grammar including Reading materials reflect Roman life and culture, emphasizing the Republic and early Empire.

**French I** 05001 1 credit/2 sem

**French II** 05021 1 credit/2 sem  
PREREQUISITE—French I

**German I** 05081 1 credit/2 sem

**German II** 05101 1 credit/2 sem  
PREREQUISITE—German I

**Mandarin Chinese I** 05601 1 credit/2 sem

See 9th Grade Courses for Course Description.

**Chinese II** 05701 1 credit/2 sem  
PREREQUISITE—Mandarin Chinese I

Chinese II builds on the skills developed in Mandarin Chinese I. Students enrolling in Chinese II must have completed Mandarin Chinese I with a grade of "C" or above. Students work to increase proficiency in the spoken and written language, mastering a larger number of phrases while increasing their ability to relate basic needs, feelings, agreements and disagreements with ease. They will be able to recognize and reproduce a greater number of Chinese characters in addition to acquiring more information about Chinese culture. Classes are taught by a native speaker in conjunction with the Confucius Institute at the University of Kansas with authentic Mandarin Chinese materials.

### 11th Grade Courses

**Spanish I** 05221 1 credit/2 sem

**Spanish II** 05241 1 credit/2 sem  
PREREQUISITE—Spanish I

**Spanish III** 05261 1 credit/2 sem  
PREREQUISITE—Spanish II

**Spanish IV** 05281 1 credit/2 sem  
PREREQUISITE—Spanish III

**French I** 05001 1 credit/2 sem

**French II** 05021 1 credit/2 sem  
PREREQUISITE—French I

**French III** 05041 1 credit/2 sem  
PREREQUISITE—French II

**German I** 05081 1 credit/2 sem

**German II** 05101 1 credit/2 sem  
PREREQUISITE—German I

**German III** 05121 1 credit/2 sem  
PREREQUISITE—German II

## 11th Grade Courses, Cont.

**Latin I** 1 credit/2 sem  
05161

See 9th Grade Courses for Course Description.

**Latin II** 1 credit/2 sem  
05181 PREREQUISITE—Latin I

See 10th Grade Courses for Course Description.

**Latin III** 1 credit/2 sem  
05191 PREREQUISITE—Latin II

Students will build knowledge of the Latin language as they comprehend and react to original Latin works. This course's culture will focus primarily on the topography of Ancient Rome, as a city and as an empire.

**AP Latin: Vergil** 1 credit/2 sem  
05211 PREREQUISITE—Latin III

Emphasis in Advanced Placement Latin: Vergil will be on literature. This course is designed to provide college-bound students with the knowledge and skills to complete successfully the advanced placement examination administered by the College Board and to prepare them for college courses. AP Latin courses also include study of the political, social, and cultural background of the literary works and their authors, as well as their influence on later literature. Finally, it includes a review of grammar of Roman authors.

Students are encouraged to take the Advanced Placement Latin: Vergil exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.

## 12th Grade Courses

**Spanish I** 1 credit/2 sem  
05221

**Spanish II** 1 credit/2 sem  
05241 PREREQUISITE—Spanish I

**Spanish III** 1 credit/2 sem  
05261 PREREQUISITE—Spanish II

**Spanish IV** 1 credit/2 sem  
05281 PREREQUISITE—Spanish III

**Spanish V** 1 credit/2 sem  
05301 PREREQUISITE—Spanish IV

**Latin I** 1 credit/2 sem  
05161

See 9th Grade Courses for Course Description.

**Latin II** 1 credit/2 sem  
05181 PREREQUISITE—Latin I

See 10th Grade Courses for Course Description.

**Latin III** 1 credit/2 sem  
05191 PREREQUISITE—Latin II

See 11th Grade Courses for Course Description.

**AP Latin: Vergil** 1 credit/2 sem  
05211 PREREQUISITE—Latin III

See 11th Grade Courses for Course Description.

**Mandarin Chinese I** 1 credit/2 sem  
05601

See 9th Grade Courses for Course Description.

**Chinese II** 1 credit/2 sem  
05701 PREREQUISITE—Mandarin Chinese I

See 10th Grade Courses for Course Description.

**Chinese III** 1 credit/2 sem  
05801 PREREQUISITE—Chinese II

This course builds on skills developed in Chinese I and II. Students enrolling in Chinese III must have completed Chinese II with a grade of "C" or above. Students work to increase proficiency in the spoken and written language, mastering phrases while increasing their ability to relate basic needs, feelings, agreements and disagreements with ease. They will be able to recognize and reproduce Chinese characters in addition to acquiring more information about Chinese culture. Classes are taught by a native speaker in conjunction with the Confucius Institute at the University of Kansas with authentic Chinese materials.

**French I** 1 credit/2 sem  
05001

**French II** 1 credit/2 sem  
05021 PREREQUISITE—French I

**French III** 1 credit/2 sem  
05041 PREREQUISITE—French II

**French IV** 1 credit/2 sem  
05061 PREREQUISITE—French III

**German I** 1 credit/2 sem  
05081

**German II** 1 credit/2 sem  
05101 PREREQUISITE—German I

**German III** 1 credit/2 sem  
05121 PREREQUISITE—German II

**German IV** 1 credit/2 sem  
05141 PREREQUISITE—German III

**Mandarin Chinese I** 1 credit/2 sem  
05601

See 9th Grade Courses for Course Description.

**Chinese II** 1 credit/2 sem  
05701 PREREQUISITE—Mandarin Chinese I

See 10th Grade Courses for Course Description.

**Chinese III** 1 credit/2 sem  
05801 PREREQUISITE—Chinese II

See 11th Grade Courses for Course Description.

## Career and Technical Education

### Career Pathways

Career Pathways in the Lawrence Public Schools are programs of academic and technical study that integrate classroom and real-world learning organized around multiple career pathways. Designed around high skill, high wage and high demand jobs, each career pathway includes a work-based learning component and prepares students for both a postsecondary education **and** a career. The USD 497 career pathways expect improved academic achievement through a college-preparatory curriculum with exceptional career and technical education that motivates students to learn by helping them answer the question, “Why do I need to know this”?

Finding a career that is right for you involves many factors, including your interest and abilities, what type of work environment you prefer, your plans for education after high school (colleges, universities, trade school, etc.) and what type of income you would like to earn. The charts below and on the facing page provide information regarding rapidly growing or new/emerging jobs related to Career Pathways in the Lawrence Public Schools. This is just a few of the many careers that await you. For more information see any teacher or your counselor. They can assist you in finding the right pathway for your interests and aspirations.

Agriculture			Finance			Manufacturing		
Career	Edu*	Income**	Career	Edu*	Income**	Career	Edu*	Income**
Tree Trimmers/Pruners	OJT	\$12.57/hr.	Personal Financial Advisors	B, lic.	\$69,050	Team Assemblers	OJT,A	\$12.32/hr.
Veterinarians	D	\$71,990	Financial Service Agents	B, M	\$68,680	Welding/Soldering Workers	OJT	\$16.13/hr.
Veterinary Technicians	A,B	\$12.88/hr.	Financial Analysts	B, lic.	\$73,150	Electrical Technicians	A	\$53,240
Engineering Technicians	A	\$44,720	Bill and Account Collectors	OJT,A	\$14.73/hr	Purchasing Agents	B, M	\$53,940
Computer Analysts	B	\$66,640	Tellers	OJT	\$23,610	Maintenance and Repair Workers	OJT,A	\$33,170
Environmental Scientists	M	\$56,100	Actuaries	B,cert.	\$84,810			
Surveying, Mapping Techs	A	\$32,340	Insurance Sales Agents	B, lic, cert.	\$45,430			
Environmental Inspectors	B	\$47,050						
Accountants	B	\$56,630						
Architecture and Construction			Health Careers			Marketing		
Career	Edu*	Income**	Career	Edu*	Income**	Career	Edu*	Income**
Engineering Tech, Civil	A, B	\$40,560	Dental Assistants	A,OJT	\$14.53/hr	Customer Service Representatives	A, B	\$14.36/hr
Landscape Architects	B	\$55,140	Medical Assistants	A	\$26,290	Sales Representatives	B pref	\$51,300
Carpenters	A,OJT	\$17.54/hr	Registered Nurses	A, B	\$57,280	Supervisors/Managers, Retail	A, B	\$35,310
Painters	OJT	\$15.00/hr	Respiratory Therapists	A	\$47,420	Retail Sales	OJT	\$9.86/hr
Plumbing, Pipe Fitters	OJT	\$20.56/hr	Physicians	MD	\$225,000	Electronic Commerce Specialists	B	\$75,150
Heat/AC/Refrig. Mech	App	\$18.11/hr	Receptionists	A	\$11.01/hr			
Cost Estimators	B	\$52,940	Health Information Techs	A	\$73,990			
Landscapers	OJT	\$10.22/hr	Medical Secretaries	A	\$13.51/hr			
			Biomedical Equipment Techs	A,OJT	\$40,580			
			Biochemists	D	\$68,760			
Arts, A/V Technology & Comm.			Human Services			Engineering		
Career	Edu*	Income**	Career	Edu*	Income**	Career	Edu*	Income**
Graphic Designers	B	\$42,400	Child Care Workers	HS	\$9.12/hr	Engineering Technician	A	\$41,100
			Mental Health Counselors	M,cert	\$36,810	Engineer, Biochemical	B, lic	\$88,570
			Child, Family and School Social Workers	B, M	\$39,530	Engineer, Energy	B, lic	\$88,570
			Medical and Public Health Social Workers	M, D	\$45,650	Survey and Map Tech	A	\$35,120
			Social and Human Service Assistants	OJT,A	\$27,280			
			Personal and Home Care Aides	OJT	\$9.22/hr			
Business, Management & Admin.			Information Technology			Transportation		
Career	Edu*	Income**	Career	Edu*	Income**	Career	Edu*	Income**
Chief Executives	B, M	\$158,560	Computer Security Specialists	B	\$66,310	Logisticians	B	\$66,480
Financial Managers	B, M	\$99,330	Database Administrators	B	\$69,740	Auto Service Mechanics	A	\$16.88/hr
Compensation/Benefit Managers	B	\$86,500	Web Developers	A,cert	\$75,150	Transportation Planners	M	\$59,810
Executive Secretaries			Videogame Designers	A, B	\$77,010	Cargo & Freight Agents	OJT	\$17.92/hr
Administrative Assistants	A, B	\$40,300	Computer Software Engineers	B	\$85,430	Truck and Bus Drivers	CDL	\$12.79/hr
Education and Training						Sources and Codes		
Career	Edu*	Income**				Data is from government sources and median salaries are cited. For more info visit: O*NET Online: <a href="http://online.onetcenter.org">http://online.onetcenter.org</a>		
Instructional Coordinators	M, D, exp	\$56,880				<b>Abbreviations:</b>		
Teacher assistants	A	\$22,200				A—two year associate's degree		
Teachers, K-12	B, lic	\$47,100				APP—Apprenticeship, 4—5 years		
						B—four year bachelor's degree		
						Cert—certification		
						Lic—license		
						M—master's degree		
						OJT—on-the-job training		

## Agriculture, Food and Natural Resources Pathway

The Agriculture, Food and Natural Resources program in USD 497 prepares learners for careers in the planning, implementation, production, management, processing and or marketing of agricultural commodities and services, including food, fiber wood products, natural resources, horticulture and other plant and animal products.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Grade	Kansas Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
						Graduation Requirement												
Intro to Agriculture	•	•	•	•	Sem													
Agriscience	•	•	•	•	Sem				•									
Plant Science I		•	•	•	Sem				•									
Plant Science II		•	•	•	Sem				•									
Animal Science I		•	•	•	Sem				•									
Animal Science II		•	•	•	Sem				•									
Environmental Resources		•	•	•	Sem				•									
Veterinary Science		•	•	•	Sem				•									
Agricultural Communications			•	•	Sem													
Agribusiness			•	•	Sem										•			•

### 9th—12th Grade Agriculture, Food and Natural Resources Courses

**Intro to Agriculture** **.5 credit/1 sem**  
68001

Introduction to Agriculture surveys a wide array of topics within the agricultural industry exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere.

**Agriscience** **.5 credit/1 sem**  
01011 **PREREQUISITE—Intro to Agriculture**

A comprehensive course that covers a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. Topics may also include topics such as chemical and soil science, ecology, agricultural marketing and veterinary science.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**NOTE: Completion of this course with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - HORT 120 Intro to Urban Business. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>**

## 10th, 11th and 12th Grade Agriculture Courses

**Plant Science I** .5 credit/1 sem  
01041  
**Plant Science II** .5 credit/1 sem  
01031 **PREREQUISITE—Plant Science I**

Plant Science exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits and vegetables. In doing so, the course covers a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**Environmental Resources and Wildlife** .5 credit/1 sem  
01051

Environmental Resources and Wildlife combines the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife and forests. Within the general area of natural resources management, this course covers specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation and human outdoor recreation.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**NOTE: Completion of this course with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - BIOL 120—Environmental Science. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/>**

**Animal Science I** .5 credit/1 sem  
01001  
**Animal Science II** .5 credit/1 sem  
01061 **PREREQUISITE—Animal Science I**

Animal Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

**Veterinary Science** .5 credit/1 sem  
01021

Veterinary Science focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include kennel operations and sales.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

## 11th and 12th Agriculture Grade Courses

**Agribusiness** .5 credit/1 sem  
01111 **PREREQUISITE—a minimum of 2 Agriculture Courses**

Agribusiness provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. This courses covers topics such as economic principles, budgeting, risk management, finance, business, law, marketing and promotion strategies, insurance and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision making, commodities, and building leadership skills. This course also provides work experience in fields related to agribusiness. Goals are typically set cooperatively by the student, teacher and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

**Membership in the FFA (\$12) is required.**

**Agricultural Communications** .5 credit/1 sem  
01151

Agricultural Communications help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

**Membership in the FFA (\$12) is strongly encouraged but not required.**

# Architecture and Construction Pathway

The Architecture and Construction pathway in USD 497 prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs. This pathway is designed as a gateway to Johnson County Community College's Computer-aided Drafting and Design Technology Associates Degree or Construction Management Certificate.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	Kansas Scholars Admissions	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
	<b>Graduation Requirement</b>																		
Introduction to Industrial Technology	●	●	●	●	Sem														
Drafting	●	●	●	●	Sem														
CAD/Drafting II	●	●	●	●	Sem						●								
CAD/Drafting III		●	●	●	Sem						●								
Architectural Design I		●	●	●	Sem						●								
Architectural Design II		●	●	●	Sem						●								
Construction Science I		●	●	●	Sem						●								
Construction Science II		●	●	●	Sem						●								
Remodeling and Building Maintenance		●	●	●	Sem														
Interiors		●	●	●	Sem						●								
Cabinetry I		●	●	●	Sem						●								
Cabinetry II		●	●	●	Sem						●								
Construction III			●	●	Sem											●			
Construction IV			●	●	Sem											●			
Cabinetry III			●	●	Sem											●			
Cabinetry IV			●	●	Sem											●			
Research and Design for Pre-Construction				●	Sem											●			●

## 9th Grade Architecture and Construction Courses

### Intro to Industrial Technology .5 credit/1 sem 12001

Intro to Industrial Technology is designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, Welding & Transportation areas. Students will explore careers and skills in numerous fields and have an opportunity to complete the Occupational Safety and Health Administration 5-hour or 10-hour Safety Certification.

**A \$15.00 materials fee is required.**

### Drafting .5 credit/1 sem 12401

Drafting is offered to introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications. The course provides students with the knowledge, experience and ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems will be introduced.

**A \$25.00 materials fee is required.**

**NOTE:** Completion of this course with a "C" or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 120 Intro to Drafting. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

## 10th, 11th and 12th Grade Architecture and Construction Courses

**CAD/Drafting II** .5 credit/1 sem  
12411 PREREQUISITE—Drafting

**CAD/Drafting III** .5 credit/1 sem  
12491 PREREQUISITE—CAD/Drafting II

These courses are for students who have an interest in computer-aided drafting. The objective will be to provide computer uses for drafting skills learned in In Drafting. The year will be spent learning computer drawing techniques and developing 3-D computer drawings. The course is designed for students wishing to pursue a career in engineering, architecture, construction or drafting fields.

**NOTE:** Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 130 Intro to AutoCAD. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

**Architectural Design I** .5 credit/1 sem  
12421 PREREQUISITE—Drafting

**Architectural Design II** .5 credit/1 sem  
12431 PREREQUISITE—Architectural Design I

This course will equip the student with knowledge and appreciation of architecture. The first semester concentrates on fundamentals of home construction, building specifications and symbols. The second semester concentrates on reproduction and modeling. Each student is required to furnish pencils, erasers, masking tape, etc.

A \$28.00 materials fee is required.

**NOTE:** Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 129 Interpreting Architectural Drawings. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

**Remodeling and Building Maintenance** .5 credit/1 sem  
12441 PREREQUISITE—Drafting

This course trains students to maintain commercial, industrial and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

**Construction Science I** .5 credit/1 sem  
12611 PREREQUISITE—Drafting

**Construction Science II** .5 credit/1 sem  
12621 PREREQUISITE—Construction Science I

Construction Science I and II provide students with basic knowledge and skills required for construction of commercial, residential and institutional structures. These courses provide experiences and information regarding construction-related careers. Students engage in activities such as reading blueprints, preparing building sites, erecting structures, installing utilities, finishing surfaces and providing maintenance.

A \$20.00 materials fee is required.

THESE COURSES ARE OFFERED AT FREE STATE HIGH SCHOOL ONLY. LAWRENCE HIGH STUDENTS ARE PERMITTED TO TRAVEL TO FREE STATE HIGH SCHOOL FOR THE COURSE. SEE YOUR COUNSELOR FOR DETAILS.

**Cabinetry I** .5 credit/1 sem  
12241 PREREQUISITE—Drafting

**Cabinetry II** .5 credit/1 sem  
12251 PREREQUISITE—Cabinetry I

Cabinetry I and II provide students with experience in constructing cases, cabinets, counters and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware.

A \$20.00 materials fee is required.

THESE COURSES ARE OFFERED AT LAWRENCE HIGH SCHOOL ONLY. FREE STATE HIGH STUDENTS ARE PERMITTED TO TRAVEL TO LAWRENCE HIGH SCHOOL FOR THE COURSE. SEE YOUR COUNSELOR FOR DETAILS.

**NOTE:** Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 140 Topics in CAD I. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

**Interiors** .5 credit/1 sem  
07161

Interiors I focuses on aspects of housing styles, home planning and design. Home furnishing, floor plans, design principles, choosing accessories and working with color and textiles are key concept areas in this class. Field trips supplement the course work. Career and post-secondary opportunities in interior design are introduced. Students will create beginning-level interior design projects.

## 11th & 12th Grade Architecture and Construction Courses

**Research and Design  
For Pre-Construction** .5 credit/1 sem  
12671 PREREQUISITE—Instructor Approval

Research and Design for Pre-Construction provides work experience in a field related to drafting/architecture. Goals are set cooperatively by the student, teacher and employer (although students are not necessarily paid). The course includes classroom activities, involving further study of the field and discussion regarding experiences that students encounter in the workplace.

**NOTE: Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 242 Topics in CAD II. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>**

**A \$15.00 materials fee is required.**

**Construction Science III** .5 credit/1 sem  
12631 PREREQUISITE—Instructor Approval

**Construction Science IV** .5 credit/1 sem  
12641 PREREQUISITE—Instructor Approval

**Cabinetry III** .5 credit/1 sem  
12651 PREREQUISITE—Instructor Approval

**Cabinetry IV** .5 credit/1 sem  
12661 PREREQUISITE—Instructor Approval

Construction III & IV and Cabinetry III & IV provide work experience in a field related to construction and cabinetry. Goals are set cooperatively by the student, teacher, and employer (although students are not necessarily paid). The course includes classroom activities as well, involving further study of the field and discussion regarding experiences that students encounter in the workplace.

**NOTE: Completion of Construction IV =with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - CET 105 Construction Methods. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>**

**A \$20.00 materials fee is required.**

CONSTRUCTION SCIENCE COURSES ARE ONLY OFFERED AT FREE STATE HIGH SCHOOL. CABINETRY COURSES ARE ONLY OFFERED AT LAWRENCE HIGH SCHOOL. STUDENTS INTERESTED IN THESE COURSES ARE ENCOURAGED TO VISIT WITH INSTRUCTORS TO ARRANGE WORKPLACE EXPERIENCES.

# Career and Technical Education

## Arts, A/V Technology and Communications Pathway

Are you interested in working in television, film or radio? Do you like working with technology? Are you visually oriented? Do you adapt well to change? Do you have a talent for writing? Does photography, computer graphics or video interest you? If you answered yes to any of these questions, perhaps you should consider courses in the Arts, A/V Technology and Communications Pathway.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
	<b>Graduation Requirement</b>																
Beginning Journalism	●	●	●	●	Year	●											
Journalism/Newspaper	●	●	●	●	Sem/Yr	●											
Journalism/Yearbook	●	●	●	●	Year	●								●			
Photography	●	●	●	●	Sem						●						
Photography Studio		●	●	●	Sem						●						
Digital Imaging	●	●	●	●	Sem						●						
Digital Imaging Studio		●	●	●	Sem						●						
Web Page Design	●	●	●	●	Sem												
Broadcast Media I	●	●	●	●	Sem												
Broadcast Media II		●	●	●	Sem												
Film Media I	●	●	●	●	Sem												
Film Media II		●	●	●	Sem												
Film Media III			●	●	Sem												

## 9th Grade Arts, A/V Technology and Communications Courses

### Beginning Journalism .5 credit/1 sem 03461

Beginning Journalism students learn the skills they need to publish stories in the school newspaper and yearbook – both in print and online. In addition, students will learn how to communicate in a concise and accurate style as they write news, feature, opinion, and sports stories. Students will design publications on computers; edit stories; and understand their rights and responsibilities as journalists. Projects may include photojournalism, blogging and audio/video storytelling covering the news.

### Journalism-Newspaper .5 or 1 credit/1 or 2 sem 03481 **PREREQUISITE: Beginning Journalism or Teacher Approval**

In this class, students produce the high school newspaper in print and online. Students learn to work as team members, producing the publication on deadline. Work completed by students includes writing stories, taking photos, laying out pages, designing graphics and selling advertisements. For the newspaper Web site, students will contribute audio, video, breaking news stories and blog entries.

### Photography .5 credit/1 sem 04061

The emphasis of this beginning photography class is for students to learn the technical aspects of photography as well as the principles of photographic composition. Camera operation, film development, and the printing of black and white images will be studied while the student learns how to make a meaningful visual statement. The history of photography and some creative special effects will also be included in this course.

A 35 mm film camera (not digital) is needed for this class. A limited number of cameras will be available for short term check out for students who do not have access to one.  
**A \$45.00 materials fee is required.**

### Digital Imaging .5 credit/1 sem 04141

Students become acquainted with various aspects of the graphic design field in this course. Topics include the ways in which visual messages are used in society, the skills needed by a graphic designer and the potential areas of specialization and employment. Students will focus on creating art products such as logos, typographic images, posters, self portraits, book layouts as well as investigating different periods and styles of graphic design. Emphasis is placed on creating and manipulating original imagery with Adobe Creative Suite.  
**A \$25.00 materials fee is required.**

## 9th Grade Arts, A/V Technology and Communications Courses, Cont.

**Journalism-Yearbook** .5 or 1 credit/1 or 2 sem  
03501 PREREQUISITE: Beginning Journalism or  
Teacher Approval

In this class, students produce the high school yearbook, which serves as a journalistic and historical record of the year. Students learn to work as team members, producing the publication on deadline. Work completed by students includes writing feature stories, taking photos, laying out pages, designing graphics and selling advertisements.

**Web Page Design** .5 credit/1 sem  
02181

This course offers students the ability to create web sites, and be exposed to proper web site design and management techniques. Students will learn the proper procedures and create Web pages using Dreamweaver CSS and HTML for coursework, professional purposes, and personal use.

**Film Media I** .5 credit/1 sem  
09261

This course enables students to explore video communications, incorporation both the technical and artistic aspects of video media while studying Hollywood's history and development. Topics covered in the course include the use of video equipment and technique, and students typically complete multiple video projects. Topics may include creating various forms of film media including silent film, sport and music video, and self portrait video. Evaluating and analyzing film styles will be included.

**Broadcast Media I** .5 credit/1 sem  
09221

This course concentrates on the media broadcast industry. Radio and television applications will be studied with influences from history, law regulation and censorship. A hands-on approach may include television/radio production, directing, editing, animation, special effects, audio and music mixing. School projects may be incorporated.

## 10th—12th Grade Arts, A/V Technology and Communications Courses, Cont.

**Beginning Journalism** .5 credit/1 sem  
03461

See 9th Grade Courses for Course Description.

**Journalism-Newspaper** .5 or 1 credit/1 or 2 sem  
03481 PREREQUISITE: Beginning Journalism or  
Teacher Approval

See 9th Grade Courses for Course Description.

**Journalism-Yearbook** .5 or 1 credit/1 or 2 sem  
03501 PREREQUISITE: Beginning Journalism or  
Teacher Approval

See 9th Grade Courses for Course Description.

**Digital Imaging** .5 credit/1 sem  
04141

See 9th Grade Courses for Course Description.

**Photography** .5 credit/1 sem  
04061

See 9th Grade Courses for Course Descriptions.

**Film Media I** .5 credit/1 sem  
09261

See 9th Grade Courses for Course Description.

**Broadcast Media I** .5 credit/1 sem  
09221

See 9th Grade Courses for Course Description.

**Web Page Design** .5 credit/1 sem  
02181

See 9th Grade Courses for Course Description.

## 11th—12th Grade Courses

**Film Media III** .5 credit/1 sem  
09291 PREREQUISITE: Film Media II

This course is an opportunity for students to expand their expertise in a work-based application and to develop additional skills. Goals are typically set cooperatively by the student and the teacher.

**Photography Studio** .5 credit/1 sem  
04101 PREREQUISITE—Photography

This course provides further exploration of black and white photographic techniques with an emphasis on personal creative expression. Image manipulation, historic movements in photography and advanced darkroom skills will be covered.

Students are expected to provide their own 35 mm SLR cameras, but a limited number of SLR cameras will be available for short-term check out for students who do not have access to one.

**A \$45.00 materials fee is required.**

**Digital Imaging Studio** .5 credit/1 sem  
04081 PREREQUISITE—Digital Imaging

Skills introduced in Graphic Design I are expanded on with advanced software and design techniques. Graphic Design II investigates the computer's influence on and role in creating contemporary designs and provides a cultural and historical study of master design works of different periods and styles.

Using Adobe Creative Suite students will focus on creating art products such as identity symbols, package design, caricatures, promotional items, and advanced typography. Further emphasis will be placed on contemporary design trends and workflow skills.

**A \$25.00 materials fee is required.**

**Film Media II** .5 credit/1 sem  
09271 PREREQUISITE: Film Media I

This course offers a closer look at the film industry, genre development and more advanced narrative. Cinematography, editing techniques and special effects will be covered. Evaluating and analyzing film styles will be included.

**Broadcast Media II** .5 credit/1 sem  
09241 PREREQUISITE: Broadcast Media I

This course is offered to the media student who wishes to explore further advanced production and editing techniques as well as media career opportunities. This class will work with the school on related video productions. Also, various video resumes and college admission processes will be examined. Students must be able to work independently when not under direct supervision.

## Career and Technical Education

### Business Management and Administration Pathway

Do you enjoy working with other people? Are you good at working with numbers? Do you keep your checkbook balanced? Do you like to plan and organize activities? Are you an officer of an organization? If you answered yes to any of these questions, the Business, Management, and Administration Pathway might be for you. There are many career options in the Business, Management and Administration Pathway. You may provide the needed support to keep a business in operation. Or you might keep track of the expenses and income. You could manage the financial activities of a business. Another option is to be sure that a business has qualified employees who are trained to do their jobs. Or after years of education or experience, you might direct the operations of a business.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admin	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
	<b>Graduation Requirement</b>																
Business Essentials	●	●	●	●	Sem												
Accounting I		●	●	●	Sem												
Accounting II		●	●	●	Sem												
Entrepreneurship		●	●	●	Sem												
Youth Entrepreneurs of Kansas (LHS)		●	●	●	Sem									●			
International Business		●	●	●	Sem												
Marketing I		●	●	●	Sem												
Marketing II		●	●	●	Sem												
Business Law I		●	●	●	Sem												
Business Law II		●	●	●	Sem												
Business Technology/Management				●	Year									●			
Business Technology/OJT				●	Year									●			

### 9th-12th Grade Business Management Courses

**Business Essentials** .5 credit/1 sem  
02061

Business Essentials surveys an array of topics and concepts related to the field of business. This course introduces business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. Business Essentials provides a brief overview of the American economic system and corporate organization.

### 10th-12th Grade Business Management Courses

**Accounting I** .5 credit/1 sem  
02001

This course will help students gain general accounting knowledge and skill. Students will learn accounting for personal and business financial activities and how it relates to business careers. They will analyze transactions, use various journals and ledgers, and prepare financial statements for a fiscal period. The hands-on approach of this course will allow students to use the Internet, accounting software, simulations, and projects to enhance their learning experience.

**Accounting II** .5 credit/1 sem  
02011 PREREQUISITE: Accounting I

Accounting II allows students to continue to develop their understanding of accounting principles. Through a practical, hands-on approach the students will use accounting tools, such as Excel, QuickBooks, and the Internet, to analyze financial data for a merchandising business. They will interpret financial data to assist in business decision-making. A simulation packet will be used to provide a realistic environment for the students to work and learn as accountants.

## 10th—12th Grade Business Management and Admin Courses Cont.

### Entrepreneurship .5 credit/1 sems 02521

Entrepreneurship is a course designed to aid students in exploring the concept of entrepreneurship (how to start and operate a business). Students will evaluate a potential career path by studying the framework of starting a business. They will evaluate the characteristics, skills, abilities, and attitudes necessary for business management success. Students will learn how to develop a business plan from actual contact with business owners.

### Marketing I .5 credit/1 sem 02221

Marketing Education I is a course designed to provide students with basic entry-level knowledge and skill needed for career opportunities in the field of Marketing. Students will understand and be able to explain the concepts of Marketing Fundamentals, Marketing Planning, Marketing Research, Product Planning, Promotion, and Advertising. Students will also have the opportunity to join and participate in DECA, an association of marketing students. Participation in DECA will allow students to gain leadership and competitive skills through local, state, regional, and national leadership conferences and competition.

### International Business .5 credit/1 sem 02251

The student will develop an understanding of our global economy as we advance in the 21<sup>st</sup> Century. Basic concepts of world markets and their economies, currency, and trade agreements will be introduced. Students will study import and export practices and procedures. Students will contact successful international companies and analyze their business practices/procedures. Students will display and share the results of their research at the end of the semester.

## 12th Grade Courses

### Business Technology/Management 1 credit/2 sem 02481 PREREQUISITE—2 Business Courses

### Business Technology/OJT 1 credit/2 sem 02501 PREREQUISITE—2 Business Courses

Students enroll in a related business class, the Business Technology/Management class and the internship to receive four credits EACH semester.

**THE CLASS** develops and improves computer/office skills. Basic office skills in human relations, efficient work organization, travel and mail procedures, telecommunications, recordkeeping, letter composition and records management are learned. Emphasis is placed on correct managerial techniques and procedures. Personal skills in goal-setting, money management and job application procedures are refined.

**THE OJT** provides on-the-job training in a Lawrence office; most students work a minimum of 15-20 hours a week. No in-school time is required to receive credit for this internship.

**THE CLUB** Business Professionals of America (BPA) or Future Business Leaders of America (FBLA) is a major part of the program. The purposes of this club are to help students acquire the ability to work in an organized group situation, develop leadership skills and social qualities, and serve the school and community through various projects. Members participate in competitive events at the regional, state, and national levels.

### Youth Entrepreneurs .5 credit/1 sem Of Kansas (LHS) PREREQUISITE: Teacher Permission 02531 and Enrollment in Entrepreneurship

Youth Entrepreneurs of Kansas (YEK) teaches free enterprise fundamentals through hands-on experience and encourages students to start their own business and enhance their business skills for future career and post-secondary opportunities. Students learn about the free market system and participate in events such as Market Day. Each student will write a business plan and participate in classroom competitions.

NOTE: YOUTH ENTREPRENEURS OF KANSAS IS ONLY AVAILABLE AT LAWRENCE HIGH SCHOOL AND MUST BE TAKEN CONCURRENTLY WITH ENTREPRENEURSHIP.

### Marketing II .5 credit/1 sem 02231 PREREQUISITE—Marketing I

Marketing Education II continues to educate students using a practical approach to marketing in today's technological business environment. The Students will pursue an in depth focus on Market Planning, Pricing, and Selling. Students will assist in the operation of the school store, gain experience in human relations, management, customer service, and stock control. DECA, the marketing management club, is incorporated within the class and will allow student to gain leadership and competitive skills through local, state, regional, and national leadership conferences.

### Business Law I .5 credit/1 sem 02081

Business Law I is designed to help students understand the legal issues that will be encountered in personal lives. Civil and criminal laws dealing with the court systems, rights of students/minors, contracts, crimes and torts, landlord/tenant, and employment are some of the topics studied. Guest speakers, videos, computer programs and current legal issues are utilized. A field trip to courtroom trials may be planned.

### Business Law II .5 credit/1 sem 02101 PREREQUISITE—Business Law I

This class focuses on legal research and preparation for mock trials. Students are organized into law firms and conduct mock trials before a judge or jury. Resources in the school library, internet, videos, and guest speakers help students complete their research. Field trips to courtroom trials will be planned, as well as a mock trial in a Douglas County courtroom.

NOTE: Completion of this course with a "C" or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - BUS 122 Introduction to Law For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/advancedstanding.pdf>

## Education and Training Pathway

Are you patient? Do you enjoy teaching games to children? Have you coached sports activities? Are you outgoing? Do you like to speak in front of groups? Do you like being in school? If you answered yes to any of these questions, the Education and Training Pathway might be for you. In the Education and Training Pathway, you would have the opportunity to guide and train young people. As a teacher, you could influence young lives. In addition, you could support the work of the classroom teacher as a counselor, librarian, or principal. If you are interested in working with adults, you could provide training to employees in a business. Each of these settings provides you with the chance to help people learn and improve their lives.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
						Graduation Requirement												
Human Growth and Development I	●	●	●	●	Sem													
Human Growth and Development II		●	●	●	Sem													
Teaching as a Career		●	●	●	Year													
Classroom Tutor			●	●	Sem									●				
Teaching Internship			●	●	Sem									●				

## 9th—12th Grade Education and Training Courses

### Human Growth and Development I .5 credit/1 sem 07201

Human Growth and Development provides students with knowledge about the physical, intellectual, emotional, and social growth and development of children from birth to 5 years. The course includes topics such as prenatal development and birth processes and developmental characteristics of the infant, toddler and preschool-aged child. The simulated infant is also used for instructional purposes. This class is designed for the student who is interested in pursuing a career working with infants and young children.

### 10th-12th Grade Education Courses

#### Human Growth and Development II .5 credit/1 sem 07211 PREREQUISITE—Human Growth and Development I

Human Growth and Development II begins with the study of the elementary child and continues through the lifespan. This class focuses on growth and development through hands-on activities. The final portion of the class will be devoted to geriatric experiences. Students will learn skills necessary in working with the elderly and be exposed to wellness concepts specific to this age group.

#### Teaching as a Career 1 credit/2 sem 19001

Teaching as a Career introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. The course exposes students to and trains them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.

### 11th-12th Grade Education Courses

#### Teaching Internship 1 credit/2 sem 19011 PREREQUISITE—Teaching as a Career

Teaching Internship prepares students to teach and guide others. This course provides opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. Students are required to provide transportation to internship sites.

#### Classroom Tutor 1 credit/2 sem 19021 PREREQUISITE—Permission of Cooperating Instructor

Classroom Tutor provides students with work experience in fields related to education. Goals are set cooperatively by the student and the cooperating teacher. This courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

## Finance Pathway

Are you the treasurer of a club or organization? Are you interested in the stock market? Do you enjoy working with numbers, Do you like to operate calculators? Do you balance your checkbook? Are you good at following detailed work plans? ? If you answered yes to any of these questions, the Finance Pathway might be for you . In the occupations in the Finance pathway you keep track of money. You might provide financial services to a business or individual. Your work could include maintaining records or giving advice to business executives on how to operate their business. You could work in financial planning, banking, or insurance.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
						Graduation Requirement												
Business Essentials	●	●	●	●	Sem													
Accounting I		●	●	●	Sem													
Accounting II		●	●	●	Sem													
Entrepreneurs		●	●	●	Sem													
Youth Entrepreneurs of Kansas (LHS)		●	●	●	Sem									●				
Banking and Finance		●	●	●	Sem													
Savings and Investments		●	●	●	Sem									●			●	
Adv. Accounting I			●	●	Sem													
Adv. Accounting II			●	●	Sem									●			●	

## 9th—12th Grade Finance Courses

### Business Essentials .5 credit/1 sem 02061

Business Essentials surveys an array of topics and concepts related to the field of business. This course introduces business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. Business Essentials provides a brief overview of the American economic system and corporate organization.

## 10th—12th Grade Finance Courses

### Accounting I .5 credit/1 sem 02001

This course will help students gain general accounting knowledge and skill. Students will learn accounting for personal and business financial activities and how it relates to business careers. They will analyze transactions, use various journals and ledgers, and prepare financial statements for a fiscal period. The hands-on approach of this course will allow students to use the Internet, accounting software, simulations, and projects to enhance their learning experience.

### Accounting II .5 credit/1 sem 02011 PREREQUISITE: Accounting I

Accounting II allows students to continue to develop their understanding of accounting principles. Through a practical, hands-on approach the students will use accounting tools, such as Excel, QuickBooks, and the Internet, to analyze financial data for a merchandising business. They will interpret financial data to assist in business decision-making. A simulation packet will be used to provide a realistic environment for the students to work and learn as accountants.

### Banking and Finance .5 credit/1 sem 02201

Banking and Finance provides students with an overview of the American monetary and banking system as well as types of financial institutions and services and products they offer. The course content includes government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

## 10th—12th Grade Finance Courses Cont.

**Entrepreneurship** .5 credit/1 sem  
02521

Entrepreneurship is a course designed to aid students in exploring the concept of entrepreneurship (how to start and operate a business). Students will evaluate a potential career path by studying the framework of starting a business. They will evaluate the characteristics, skills, abilities, and attitudes necessary for business management success. Students will learn how to develop a business plan from actual contact with business owners.

**Youth Entrepreneurs Of Kansas (LHS)** .5 credit/1 sem  
02531 PREREQUISITE: Teacher Permission and Enrollment in Entrepreneurship

Youth Entrepreneurs of Kansas (YEK) teaches free enterprise fundamentals through hands-on experience and encourages students to start their own business and enhance their business skills for future career and post-secondary opportunities. Students learn about the free market system and participate in events such as Market Day. Each student will write a business plan and participate in classroom competitions.

NOTE: YOUTH ENTREPRENEURS OF KANSAS IS ONLY AVAILABLE AT LAWRENCE HIGH SCHOOL AND MUST BE TAKEN CONCURRENTLY WITH ENTREPRENEURSHIP.

## 11th—12th Grade Finance Courses

**Advanced Accounting I** .5 credit/1 sem  
02041 PREREQUISITE—Accounting II

This course expands upon the foundational accounting principles and procedures used in business. The students will work within a departmental accounting structure to calculate and analyze purchases, sales, payroll, depreciation, and periodic adjustments. Students will use auditing principles to prepare budgets and final reports. QuickBooks, Excel, the Internet, and a simulated business activity will be used to enhance learning and problem-solving.

**Savings and Investments** .5 credit/1 sem  
02211 PREREQUISITE—Recommendation Required

Students taking this course will learn about the fundamental principals of investments, financial planning concepts and tax-planning procedures. The goal of this course is to equip students with the tools necessary to make good investment decisions. Students will learn how to establish appropriate investment objectives, develop investment strategies, estimate risk-return tradeoffs, understand secured and unsecured credit, and evaluate investment performance. Students will use the Internet, simulations and projects to enhance their learning experience.

**Advanced Accounting II** .5 credit/1 sem  
02051 PREREQUISITE—Adv. Accounting I & Teacher Recommendation

This course allows students to apply accounting theory through practical, hands-on exercises. The students will work within a corporate accounting setting to buy and sell stock, record dividends, purchase bonds, and calculate income tax. They will also develop management accounting skills by calculating and analyzing cash flow, breakeven point, and earnings performance to make decisions regarding the future profitability of a business.

# Health Science

The Health Science pathway in USD 497 orients students to careers that promote health, wellness and diagnosis as well as treatment of injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical and dental offices or laboratories, cruise ships, medivac units, sports arenas, space centers or within the community.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents	Kansas Scholars Admissions	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable	
						Graduation Requirement													
Introduction to Health Careers	●	●	●	●	Sem			●											
Individual Fitness and Wellness		●	●	●	Sem			●											
First Aid/CPR and Safety		●	●	●	Sem														
Pre-Med		●	●	●	Sem														
Individual Fitness and Wellness			●	●	Sem			●											
Health Careers Internship			●	●	Sem											●			●

## 10th, 11th & 12th Grade Courses

### Introduction to Health Careers .5 credit/1 sem 06321

Introduction to Health Careers exposes students to the variety of opportunities available within the health care industry (e.g., nursing, therapy, dental care, administrative services and lab technology). This course will focus on "real life" situations including, but not limited to stress, relationships, alcohol and other drugs, basic first aid, death and knowledge related to the health care industry as a whole.

### First Aid/CPR and Safety .5 credit/1 sem 14011

First Aid/CPR and Safety places a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures and responding to cardiac arrest. The course also covers the legal and ethical responsibilities involved in dealing with medical emergencies and personal, environmental and occupational safety.

### Pre-Med .5 credit/1 sem 14051

Pre-Med is a comprehensive course that prepares students for professional experiences in the health care industry. Topics covered include an overview of health care delivery, patient care, ethical and legal responsibilities, medical terminology and laboratory procedures. This course is required before students can participate in the Health Careers Internship.

## 11th & 12th Grade Courses

### Individual Fitness & Wellness .5 credit/1 sem 14031

This course emphasizes acquiring the knowledge, skills and practice regarding behaviors that promote health and wellness. Content will include topics such as nutrition, stress management and prevention and treatment of disease. Students will research and develop personal health and fitness goals, and with the guidance of the teacher, implement a computerized individualized fitness program designed for themselves.

### Health Careers Internship .5 credit/1 sem 14041 PREREQUISITE—Pre-Med and Teacher Approval

The Health Careers Internship course provides students with work experience in the health care industry. Student transportation is required as students will be working at five locations for 2-3 weeks at a time. Goals are typically set cooperatively by the student, teacher and employer focused on completing a Health Careers Portfolio. The course will also include classroom activities, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

## Career and Technical Education

### Human Services Pathway

Do you help friends with their personal problems? Are you a good listener? Do you care about people and want to help them? Have you planned programs for school or community organizations? Have you cared for children or done babysitting? If you answered yes to any of these questions, the Human Services Pathway might be for you. In the Human Services Pathway you work with individuals and families to meet their personal needs.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admin	NCAA Eligibility	Recommendation Required (Requires IEP)	Repeatable
	<b>Graduation Requirement</b>															
Intro to Human Services	●	●	●	●	Sem											
Nutrition and Wellness	●	●	●	●	Sem											
Culinary I	●	●	●	●	Sem											
Human Growth and Development I	●	●	●	●	Sem											
Human Growth and Development II		●	●	●	Sem											
Consumer Economics		●	●	●	Sem											
Interiors		●	●	●	Sem						●					
Textiles and Fashion		●	●	●	Sem						●					
Family Studies			●	●	Sem											
Career and Community Connections: Service Learning Experience			●	●	Year									●		●

### 9th Grade Human Services Courses

#### Introduction to Human Services .5 credit/1 sem 07411

Intro to Human Services introduces and exposes students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics include the skills, knowledge, attitudes, and behaviors necessary to be successful in families, careers, and communities in today's ever changing society.

#### Nutrition and Wellness .5 credit/1 sem 07001

Nutrition and Wellness focuses on basic food preparation, consumer management and nutrition. Cooking labs will consist of everyday foods and also meal management expertise. All of the labs will be correlated to specific nutrition principles. This course is designed for the novice chef who wishes to gain experience in the kitchen as well as for students with an interest in human services, wellness/fitness, health or foods and nutrition related pathways.

**A \$15.00 materials fee is required.**

#### Human Growth and Development I .5 credit/1 sem 07201

Human Growth and Development provides students with knowledge about the physical, intellectual, emotional, and social growth and development of children from birth to 5 years. The course includes topics such as prenatal development and birth processes and developmental characteristics of the infant, toddler and preschool-aged child. The simulated infant is also used for instructional purposes. This class is designed for the student who is interested in pursuing a career working with infants and young children.

#### Culinary I (Creative Foods) .5 credit/1 sem 07021

**PREREQUISITE—Nutrition and Wellness**

Culinary I (Creative Foods) introduces the culinary skills of food preparation and meal planning for the more advanced cooking student. Units of study include: knife skills, protein foods, sauces, side dishes, breads and pastry. An in-depth study of regional food specialties and international cuisines will be included in this course. Students in class should have a strong desire to enter a culinary career pathway.

**A \$15.00 materials fee is required.**

## 10th-12th Grade Human Services Courses, Cont.

### **Introduction to Human Services** .5 credit/1 sem 07411

See 9th Grade Courses for Course Description.

### **Nutrition and Wellness** .5 credit/1 sem 07001

See 9th Grade Courses for Course Description.

### **Culinary I (Creative Foods)** .5 credit/1 sem 07021 PREREQUISITE—Nutrition and Wellness

See 9th Grade Courses for Course Description.

### **Human Growth and Development I** .5 credit/1 sem 07201

See 9th Grade Courses for Course Description.

### **Human Growth and Development II** .5 credit/1 sem 07211 PREREQUISITE—Human Growth and Development I

Human Growth and Development II begins with the study of the elementary child and continues through the lifespan. This class focuses on growth and development through hands-on activities. The final portion of the class will be devoted to geriatric experiences. Students will learn skills necessary in working with the elderly and be exposed to wellness concepts specific to this age group.

### **Consumer Economics** .5 credit/1 sem 07401 PREREQUISITE—See Below

Consumer Economics/Personal Finance provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

### **Textiles and Fashion** .5 credit/1 sem 07101

This class is designed for students with various levels of sewing ability, from beginning to more advanced. Fabric and pattern selection, sewing terms, equipment use as well as various sewing techniques are covered in the class. Projects may include clothing and sewing crafts. At least three projects will be completed during the semester.

**A \$25.00 materials fee is required.**

### **Interiors** .5 credit/1 sem 07161

Interiors I focuses on aspects of housing styles, home planning and design. Home furnishing, floor plans, design principles, choosing accessories and working with color and textiles are key concept areas in this class. Field trips supplement the course work. Career and post-secondary opportunities in interior design are introduced. Students will create beginning-level interior design projects.

## 11th-12th Grade Human Services Courses

### **Family Studies** .5 credit/1 sem 07431

Family Studies emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. Students will learn strategies to manage the multiple individual, family, career and community roles and responsibilities. This course will include units related to individual self development, interpersonal skills for family living, parenting strategies and community involvement. Guest speakers representing careers in human services and field trips to human service agencies will be a part of this class.

### **Career & Community Connections: Service Learning Experience** 5 credit/1 sem 07421 PREREQUISITE— Recommendation Required

Career and Community Connections: Service Learning Experience provides students with service-work experience and community impact project development in fields related to human services. Goals are set cooperatively by the student, teacher, and community partners based on service learning framework and community needs. The course consists of service site experiences, development of community impact projects and classroom activities including progress monitoring, reflection and analysis, experience-based portfolio, further study of the field and discussion regarding experiences that students encounter within human services.

# Career and Technical Education

## Information Technology Pathway

Do you enjoy working with computers? Are you organized and detail-oriented? Have you created your own webpage? Do you learn new computer programs quickly? If you answered yes to any of these questions, the Information Technology Pathway might be for you. Information Technology (IT) is an area that is growing and always changing with new developments. In IT, you would be part of a pathway that continues to make an impact on society and individuals. You would have the opportunity to work in all types and sizes of businesses from Microsoft to your local hospital. Employees in Information Technology work with computer hardware, software, multimedia, and network systems. In this pathway, you might design new computer equipment or computer games. Or you might make sure that the software or networks are working. In addition, you might have to make sure that people know how to use them. Or you might manage whole networks that link workers in all parts of the world.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admin	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
						Graduation Requirement											
Introduction to IT	●	●	●	●	Sem												
Web Page Design	●	●	●	●	Sem												
Digital Imaging	●	●	●	●	Sem						●						
Programming and Software Development		●	●	●	Sem												
Programming and Game Development		●	●	●	Sem												
Digital Imaging Studio		●	●	●	Sem						●						
AP Computer Programming			●	●	Year												
Media Technology - Workplace Experience			●	●	Year									●			●

## 9th—12th Grade Information Technology Courses

### Introduction to IT 02131 .5 credit/1 sem

Introduction to IT offers a broad exploration of the use of computers in a variety of fields. Students are introduced to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. Students will explore legal and ethical issues associated with computer use, as well as how computers influence modern society.

### Web Page Design 02181 .5 credit/1 sem

This course offers students the ability to create web sites, and be exposed to proper web site design and management techniques. Students will learn the proper procedures and create Web pages using Dreamweaver CSS and HTML for coursework, professional purposes, and personal use.

### Digital Imaging 04141 .5 credit/1 sem

Students become acquainted with various aspects of the graphic design field in this course. Topics include the ways in which visual messages are used in society, the skills needed by a graphic designer and the potential areas of specialization and employment. Students will focus on creating art products such as logos, typographic images, posters, self portraits, book layouts as well as investigating different periods and styles of graphic design. Emphasis is placed on creating and manipulating original imagery with Adobe Creative Suite.  
**A \$25.00 materials fee is required.**

## 10th-12th Grade Information Technology Courses Cont.

### Programming and Software Development 02141 .5 credit/1 sem

This course introduces students to the variety of careers related to programming and software development. Students will gather and analyze software needs and requirements, learn core principles of programming, develop software specifications and use appropriate reference tools. A variety of programming languages will be used to demonstrate the proper programming techniques.

### Programming and Game Development 02161 .5 credit/1 sem PREREQUISITE: Programming and Software Development

This course introduces students to the basic concepts of programming through game development. The topics to be covered include basic programming, principles of game design, and the usage of a game development environment.

### Digital Imaging Studio 04081 .5 credit/1 sem PREREQUISITE: Digital Imaging

The course is designed for the serious computer art student and will prepare them for career paths in animation, the graphic arts industry and higher education. Digital Imaging Studio will allow students to continue exploring existing software programs, advance to discovering aspects of digital painting, web graphics, and digital portfolio creation, and learn the multifaceted roles that artists play in the digital world.

## 11th-12th Grade Information Technology Courses Cont.

### AP Computer Science 02151 1 credit/2 sem

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science provides students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. This course covers such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

**Students are encouraged to take the Advanced Placement Computer Science exam. There is a cost associated with the AP Exam; however, the AP Exam is not required.**

### Media Technology-Workplace Experience 02261 1 credit/2 sem PREREQUISITE: Permission of Instructor

Media Technology—Workplace Experience provides students with work experience in fields related to media technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

## Manufacturing Pathway

Are you good at working with your hands? Do you set up or repair stereo equipment? Can you explain to others how a machine works? Do you enjoy reading about the latest developments in electronics? If you answered yes to any of these questions, the Manufacturing Pathway might be for you. In the Manufacturing Pathway you can choose one of several options. You might design a new product or determine how the product will be made. Another option is to make the product. The final option is to install and repair the product once it has been purchased.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Admin	Alternative Program (Requires IEP)	Repeatable
						Graduation Requirement											
Introduction to Industrial Technology	●	●	●	●	Sem												
Drafting	●	●	●	●	Sem												
Manufacturing Processes	●	●	●	●	Sem												
Welding I	●	●	●	●	Sem												
CAD/Drafting II	●	●	●	●	Sem						●						
Welding II		●	●	●	Sem												●
CAD/Drafting III		●	●	●	Sem						●						
Automated Systems			●	●	Sem												●

## 9th Grade Manufacturing Courses

### Intro to Industrial Technology .5 credit/1 sem 12001

Intro to Industrial Technology is designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, Welding & Transportation areas. Students will explore careers and skills in numerous fields and have an opportunity to complete the Occupational Safety and Health Administration 5-hour or 10-hour Safety Certification.

A \$15.00 materials fee is required.

### Manufacturing Processes .5 credit/1 sem 12701

Manufacturing Process introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

### Drafting .5 credit/1 sem 12401

Drafting is offered to introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications. The course provides students with the knowledge, experience and ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems will be introduced.

A \$25.00 materials fee is required.

**NOTE: Completion of this course with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 120 Intro to Drafting. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>**

### Welding I .5 credit/1 sem 12161 PREREQUISITE—Intro to Industrial Technology

This basic course is offered to students with little or no welding experience. The first nine weeks are devoted to welding safety, cutting skills and welding techniques. The remainder of the course is focused on arc safety and welding using various kinds of electrodes. Some of these skills are flat welds, butt welds, fillet welds and lap welds using various kinds of electrodes and welding rods. Students will furnish their own protective clothing (coveralls), good used clothing is okay. Students will be required to wear safety glasses.

A \$20.00 materials fee is required.

## 9th-12th Grade Manufacturing Courses, Cont.

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**CAD/Drafting II** .5 credit/1 sem  
12411 PREREQUISITE—Drafting

**CAD/Drafting III** .5 credit/1 sem  
12191 PREREQUISITE—CAD/Drafting II

These courses are for students who have an interest in computer-aided drafting. The objective will be to provide computer uses for drafting skills learned in Drafting. The year will be spent learning computer drawing techniques and developing 3-D computer drawings. The course is designed for students wishing to pursue a career in engineering, architecture, construction or drafting fields.

**NOTE:** Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 130 Intro to AutoCAD. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

## 10th-12th Grade Manufacturing Courses, Cont.

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**Welding II** .5 credit/1 sem  
12181 PREREQUISITE—Welding I

Advanced welding techniques in MIG, TIG, plasma arc, oxyacetylene brazing and cutting will be covered in this course, as well as layout and fabrication techniques that apply to individual student projects. Upon completion of this course, students should have the necessary skills for successful job entry into welding and maintenance technician positions. Students will furnish their own protective clothing (coveralls), good used clothing is okay. Students will be required to wear safety glasses.

A \$15.00 materials fee is required.

## 10th-12th Grade Manufacturing Courses, Cont.

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**Automated Systems** .5 credit/1 sem  
12291 PREREQUISITE—CAD or Welding II

Automated Systems develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

## Career and Technical Education

### Marketing Pathway

Do you sell advertising space for the school yearbook or newspaper? Do you like to do public speaking or debating? Are you good at organizing your own time? Are you friendly and outgoing? Are you good at persuading people to do things? If you answered yes to any of these questions, the Marketing Pathway might be for you. If you are interested in working in the Marketing, Sales, and Service pathway, you would help businesses sell products. You might advertise and promote products so customers would want to buy them. Or you might sell products and services directly to customers. Or you might use the Internet to reach customers.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
						<b>Graduation Requirement</b>											
<b>Marketing Sales and Service</b>																	
Business Essentials	●	●	●	●	Sem												
Accounting I		●	●	●	Sem												
Accounting II		●	●	●	Sem												
Entrepreneurship		●	●	●	Sem												
Youth Entrepreneurs of Kansas (LHS)		●	●	●	Year									●			
Marketing I		●	●	●	Sem												
Marketing II		●	●	●	Sem												
Marketing III/Management				●	Year									●			●
Marketing III/Research				●	Year									●			●

### 9th—10th Grade Marketing Courses

#### **Business Essentials** .5 credit/1 sem 02061

Business Essentials surveys an array of topics and concepts related to the field of business. This course introduces business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. Business Essentials provides a brief overview of the American economic system and corporate organization.

### 10th—12th Grade Finance Courses

#### **Accounting I** .5 credit/1 sem 02001

This course will help students gain general accounting knowledge and skill. Students will learn accounting for personal and business financial activities and how it relates to business careers. They will analyze transactions, use various journals and ledgers, and prepare financial statements for a fiscal period. The hands-on approach of this course will allow students to use the Internet, accounting software, simulations, and projects to enhance their learning experience.

#### **Accounting II** .5 credit/1 sem 02011 PREREQUISITE: Accounting I

Accounting II allows students to continue to develop their understanding of accounting principles. Through a practical, hands-on approach the students will use accounting tools, such as Excel, QuickBooks, and the Internet, to analyze financial data for a merchandising business. They will interpret financial data to assist in business decision-making. A simulation packet will be used to provide a realistic environment for the students to work and learn as accountants.

## 10th—12th Grade Marketing Courses

### Entrepreneurship .5 credit/1 sem 02521

Entrepreneurship is a course designed to aid students in exploring the concept of entrepreneurship (how to start and operate a business). Students will evaluate a potential career path by studying the framework of starting a business. They will evaluate the characteristics, skills, abilities, and attitudes necessary for business management success. Students will learn how to develop a business plan from actual contact with business owners.

### Youth Entrepreneurs .5 credit/1 sem Of Kansas (LHS) PREREQUISITE: Teacher Permission 02531 and Enrollment in Entrepreneurship

Youth Entrepreneurs of Kansas (YEK) teaches free enterprise fundamentals through hands-on experience and encourages students to start their own business and enhance their business skills for future career and post-secondary opportunities. Students learn about the free market system and participate in events such as Market Day. Each student will write a business plan and participate in classroom competitions.

NOTE: YOUTH ENTREPRENEURS OF KANSAS IS ONLY AVAILABLE AT LAWRENCE HIGH SCHOOL AND MUST BE TAKEN CONCURRENTLY WITH ENTREPRENEURSHIP.

### Marketing I .5 credit/1 sem 02221

Marketing Education I is a course designed to provide students with basic entry-level knowledge and skill needed for career opportunities in the field of Marketing. Students will understand and be able to explain the concepts of Marketing Fundamentals, Marketing Planning, Marketing Research, Product Planning, Promotion, and Advertising. Students will also have the opportunity to join and participate in DECA, an association of marketing students. Participation in DECA will allow students to gain leadership and competitive skills through local, state, regional, and national leadership conferences and competition.

### Marketing II .5 credit/1 sem 02231 PREREQUISITE—Marketing I

Marketing Education II continues to educate students using a practical approach to marketing in today's technological business environment. The Students will pursue an in depth focus on Market Planning, Pricing, and Selling. Students will assist in the operation of the school store, gain experience in human relations, management, customer service, and stock control. DECA, the marketing management club, is incorporated within the class and will allow student to gain leadership and competitive skills through local, state, regional, and national leadership conferences.

## 12th Grade Marketing Courses

### Marketing III/Management 1 credit/2 sem 02441 PREREQUISITE—Marketing II & Permission of Instructor

Marketing Education III is a senior level course recommended for both college bound and non-college bound students. Students taking this course must also participate in a career learning experience. The students manage the school store and develop skills that are necessary for a mid-level management job. DECA, the marketing and management club, is an integral part of this class and will enable students to participate and compete in regional, state, and national events and provides relationships with national companies offering work experiences.

### Marketing III/Marketing Research 1 credit/2 sem 02461 PREREQUISITE—Marketing II & Permission of Instructor

Marketing III/Marketing Research is a senior course recommended for both college bound and non-college bound students. The students will engage in marketing information management, marketing research, report writing, and presentation skills. Students taking this course must also participate in a career learning experience. The students will also have the opportunity to join DECA, the marketing club. DECA will enable students to participate and compete in regional, state, and national events.

## Career and Technical Education

### Engineering Pathway

Is science one of your favorite subjects? Are you detail oriented? Do you prepare projects for science fairs? Do you like to know how things work? Do you enjoy reading science magazines? Are you a “numbers person”? If you answered yes to any of these questions, the Engineering Pathway might be for you. If you choose to work in the Engineering pathway you have several avenues. One avenue is to do scientific research in laboratories or the field. Another option is to be involved in the planning and design of products and systems. The last avenue is to provide support to the scientists, mathematicians, and engineers so they can do their work.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Required	Alternative Program (Requires IEP)	Repeatable
						Graduation Requirement											
Intro to Industrial Technology	●	●	●	●	Sem												
Drafting	●	●	●	●	Sem												
CAD/Drafting II	●	●	●	●	Sem						●						
CAD/Drafting III		●	●	●	Sem						●						
Industrial Design		●	●	●	Year												
Principles of Technology		●	●	●	Year				●			●	●				
College-Prep Engineering and Design			●	●	Year												
Automated Systems			●	●	Sem												●

### 9th Grade Engineering Courses

#### Intro to Industrial Technology .5 credit/1 sem 12001

Intro to Industrial Technology is designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, Welding & Transportation areas. Students will explore careers and skills in numerous fields and have an opportunity to complete the Occupational Safety and Health Administration 5-hour or 10-hour Safety Certification.

A \$15.00 materials fee is required.

#### CAD/Drafting II .5 credit/1 sem 12411 PREREQUISITE—Drafting

#### CAD/Drafting III .5 credit/1 sem 12191 PREREQUISITE—CAD/Drafting II

These courses are for students who have an interest in computer-aided drafting. The objective will be to provide computer uses for drafting skills learned in Drafting. The year will be spent learning computer drawing techniques and developing 3-D computer drawings. The course is designed for students wishing to pursue a career in engineering, architecture, construction or drafting fields.

**NOTE:** Completion of these courses with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 130 Intro to AutoCAD. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

#### Drafting .5 credit/1 sem 12401

Drafting is offered to introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications. The course provides students with the knowledge, experience and ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems will be introduced.

A \$25.00 materials fee is required.

**NOTE:** Completion of this course with a “C” or better qualifies students for dual/articulated credit with Johnson County Community College (JCCC) - DRAF 120 Intro to Drafting. For more information on Advanced Standing Credit Policies at JCCC visit: <http://www.jccc.edu/home/download/7876/>

## 10th-12th Grade Engineering Courses, Cont.

### Industrial Design 12581

**.5 credit/1 sem**  
**PREREQUISITE—Drafting or**  
**Intro to Industrial Technology**

The consumer's desire to own something a little "newer," a little "better," a little "sooner," be it a car or skateboard, medical equipment or a better mousetrap, has led manufacturers to hire industrial designers to work with engineers to create products that the public wants to own. Consequently, designers are always planning the next "new" design even as the current model is just being introduced to the public. The course offers the opportunity to imagine and design products that don't yet exist, and to improve products that already do. Emphasizing a hands-on approach to solving design problems from originating ideas to building the 3-D prototypes, coupled with lectures, collaborative exercises, computer work, demonstrations and field trips, this class gives a comprehensive introduction to the real world of work of the industrial designer.

### Principles of Technology 10401

**1 credit/2 sem**  
**PREREQUISITE—Introductory Alg or Alg I**

Principles of Technology is a course in applied physics for those who plan to pursue careers as technicians or who just want to keep pace with the advances in technology. It blends an understanding of basic principles with practice in laboratory situations. It gives a firm foundation for understanding today's technology, as well as the new technology that is coming tomorrow.

## 11th-12th Grade Engineering Courses

### College Prep Engineering and Design 12481

**1 credit/2 sem**  
**PREREQUISITE—Drafting or Industrial Design**

Throughout the year students will concentrate on fundamentals of problem solving, using engineering curriculum with the addition of the design process and development. The purpose is to go only to an exploratory level of the following areas: civil, mechanical, architectural, aerospace, and structural engineering and design. Outside sources from colleges and businesses will be used to create functional "real world" problems for students to solve and critique. Engineers and designers are challenged daily to reinvent or develop new objects for human existence and this class will prepare students to enter post-secondary education successfully by this type of educational preparation. Students will be required to complete each project and be willing to put in extra time to do so.

### Automated Systems 12291

**.5 credit/1 sem**  
**PREREQUISITE—CAD or Welding II**

Automated Systems develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

## Transportation, Distribution and Logistics Pathway

Can you estimate distances accurately? Do you repair your family's and friends' vehicles? Do you read automotive or mechanical magazines? If you answered yes to any of these questions, the Transportation, Distribution and Logistics Pathway might be for you. If you are interested in working in this cluster, you have three avenues. One is to move people and products by road, air, rail, or water. The second is to repair and maintain the vehicles, to keep people and products moving. The third option is to work behind the scenes to make sure the products and people get to the right place on time. In the Lawrence Public Schools the Transportation, Distribution and Logistics Pathway focuses on Automotive Service.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified	NCAA Eligibility	Recommendation Admin	Alternative Program (Requires IEP)	Repeatable
						Graduation Requirement											
Intro to Industrial Technology	•	•	•	•	Sem												
Automotive Technology I	•	•	•	•	Sem												
Automotive Technology II		•	•	•	Sem												
Automotive Technology III			•	•	Year									•			•

### 9th—12th Grade Automotive Service Courses

**Intro to Industrial Technology**      **.5 credit/1 sem**  
**12001**

Intro to Industrial Technology is designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, Welding & Transportation areas. Students will explore careers and skills in numerous fields and have an opportunity to complete the Occupational Safety and Health Administration 5-hour or 10-hour Safety Certification.

**Automotive Technology I**      **.5 credit/1 sem**  
**12341**      **PREREQUISITE—Intro to Industrial Technology**

The course covers theory of operation, light repair, troubleshooting and maintenance of the following systems of the automobile: manual/information, basic electrical, cooling, lubrication, fuel, exhaust emissions, tires, and drive lines. A student completing this course should have skills necessary for entry-level employment in addition to knowledge gained in the maintenance of a personal vehicle.

THIS COURSE IS OFFERED AT LAWRENCE HIGH SCHOOL ONLY. FREE STATE HIGH STUDENTS ARE PERMITTED TO TRAVEL TO LAWRENCE HIGH SCHOOL FOR THE COURSE. SEE YOUR COUNSELOR FOR DETAILS.

### 10th-12th Grade Automotive Courses

**Automotive Technology II**      **.5 credit/1 sem**  
**12361**      **PREREQUISITE—Automotive Technology I**

Auto Tech II covers the theory of operation, troubleshooting, light repair, and maintenance of the following systems of the automobile: ignition systems, charging systems, starting systems, transmission (standard and automatic), clutches, brakes, HVAC, rear-axle and fundamentals of engine repair. A student satisfactorily completing this course should have the skills necessary for entry-level employment in addition to knowledge gained in the maintenance and repair of a personal vehicle.

THIS COURSE IS OFFERED AT LAWRENCE HIGH SCHOOL ONLY. FREE STATE HIGH STUDENTS ARE PERMITTED TO TRAVEL TO LAWRENCE HIGH SCHOOL FOR THE COURSE. SEE YOUR COUNSELOR FOR DETAILS.

### 11th-12th Grade Automotive Courses

**Automotive Technology III**      **1 credit/2 sem**  
**12381**      **PREREQUISITE—Automotive Technology I and II and Teacher Recommendation**

This advanced course is designed to train students toward a career in the automotive service industry, or assist those who want to know how to work on their own cars. The class meets two hours per day, with students spending about 75% of their class time working on actual customer cars. Students in this class learn how to do tune ups, fuel service, valve jobs, brake jobs, engine repairs and many other service jobs. Students must furnish their own coveralls, safety glasses and basic hand tools.

THIS COURSE IS OFFERED AT LAWRENCE HIGH SCHOOL ONLY. FREE STATE HIGH STUDENTS ARE PERMITTED TO TRAVEL TO LAWRENCE HIGH SCHOOL FOR THE COURSE. SEE YOUR COUNSELOR FOR DETAILS.

## Career and Technical Education Alternative Program or Recommendation Required Courses

*All courses below require an Active IEP*

### **Vocational Exploration** .5 credit/1 sem 17191 Grades 10, 11 and 12

The purpose of this course is to introduce students to expectations of the workplace. Emphasis is placed on attending to task, achieving adequate productivity, maintaining appropriate relationships with supervisors and following directions. The course includes vocational exploration activities, such as completion of interest inventories or job shadowing.

### **Career Development and Transition** .5 credit/1 sem 15101 Grades 10, 11 and 12

This course is designed to prepare students with disabilities to enter into sheltered or community-based employment. Students will master competencies in seeking, securing and maintaining employment. Through job shadowing, students will explore a variety of career interests. Self-advocacy strategies and transition planning will be incorporated throughout the semester.

### **Campus Work** .5 credit/1 sem 15121 Grades 10, 11 and 12

Students enrolled in this course receive job skills training and supervision in on-campus work sites. Students receive credit while participating in paid employment or non-paid vocational training experiences.

### **Community Transition Program (C-TRAN)** 1 credit/2 sem 17301 PREREQUISITE—Active IEP

The Community Transition Program is designed to serve students, between the ages of 18-21, whose IEP teams recommend they remain in school though they have completed their high school credits. The C-Tran Program affords students the opportunity to begin experiencing adult life activities. Students will be able to expand work hours and responsibilities, participate in community-based recreation/leisure activities, further develop independent living skills, and begin to develop social connections in community environments likely to be utilized during the student's post-school years. C-Tran will allow the student to explore options and begin to realize his/her vision for life as a young adult. In addition, C-Tran will allow students and their families to develop relationships with adult service providers who might support the student in future years.

### **Supported Work Experience** .5 credit/1 sem 15131 Grades 10, 11 and 12

With the assistance of a work experience coordinator, students use job seeking skills to secure employment in the community. A variety of supports (evaluations, job coaches, assistance in training, interventions with employers or co-workers, etc.) are then set up to enhance student performance on the job site. Students enrolled in this course will receive school credit and may be participating in paid employment or nonpaid training experiences.

### **Work Experience** .5 credit/1 sem 15141 Grades 10, 11 and 12

Students enrolled in this course are employed at community job sites and receive school credit, as well as wages for working. Students are evaluated by the employer and work experience coordinator.

### **Community Living** 1 credit/2 sem 17171 Grades 10, 11 and 12

The purpose of this course is to help students develop skills necessary for successful inclusion in their communities. Students will practice utilizing public transportation, crossing streets, and utilizing community services, as well as participating in instruction regarding other safety and public service issues. Students will have the opportunity to demonstrate skills learned in this course.

### **Independent Living** 1 credit/2 sem 17181 Grades 10, 11 and 12

The primary objective of this course is to help students acquire the skills necessary for independent living after high school. Students will practice skills to satisfy criteria of a number of post-school living situations. Students will participate in planning menus, shopping, cooking, doing laundry, maintaining personal hygiene and learning self-help skills.

## Miscellaneous Courses

The courses below provide additional learning opportunities for students. Parents and students are encouraged to read the course descriptions carefully as most contain required recommendations and/or applications.

Course Title	9	10	11	12	Duration	English	Math	PE	Science	Social Studies	Fine Arts	Weighted Grade	KS Regents Qualified Admissions	NCAA Eligibility	Recommendation Required	Alternative Program Required	Repeatable	
						Graduation Requirement												
Enrichment Resource	•	•	•	•	Sem/Yr										•	•	•	
Directed Studies		•	•	•	Sem										•		•	
Library/Media Service Worker		•	•	•	Sem/Yr										•			
Independent Study			•	•	Sem/Yr										•		•	
General Office			•	•	Sem										•			
Counseling Office			•	•	Sem										•			
Teacher Aide			•	•	Sem										•			
Johnson County Community College			•	•	Sem										•		•	
University of Kansas			•	•	Sem										•		•	
Haskell Indian Nations University			•	•	Sem										•		•	
Integrated Studies	•	•	•	•	Sem											•	•	
Homebound	•	•	•	•	Year											•	•	

## 9th—12th Grade Courses

### Enrichment Resource .5 or 1 credit/1 or 2 sem 16501 PREREQUISITE: Recommendation Required

The gifted education program is designed to assist identified students with high intellectual and academic abilities. Topics of study emphasize higher level thinking processes. Teacher-directed class instruction may incorporate individualized learning, in-depth units of study, research and discussion skills, and participation in simulations and competitions. Instruction facilitates critical and creative thinking, problem-solving, teamwork, task commitment and risk-taking skills. Students are identified according to state guidelines for special education.

*An Active IEP and Placement by the IEP Team is required.*

### Homebound .5 credit/1 sem 20201

These courses provide students with the option to attend classes in non-traditional settings. Written approval by school principal is required. For requirements and other information visit with the school counselor.

### Integrated Studies .5 credit/1 sem 14001 PREREQUISITE: Recommendation Required

This program is designed to serve students who are freshmen, sophomores, juniors or seniors. The integrated studies program is designed to provide individualized learning opportunities to best meet students' needs. Each student will have an independent set of goals on which to work that are unique to the student's own learning method, rate, level, style, and program. Support is provided to general education teachers working with students from the program within their general education classes. Students receive one elective credit per semester.

*An Active IEP and Placement by the IEP Team is required.*

## 10th—12th Grade Courses

**Library/Media Service Worker** .5 credit/1 sem  
20101 PREREQUISITE: Recommendation Required

Students and teachers/librarians/counselors/principals who enter into an aide agreement must meet specifications as determined by the high school in order to receive credit. The duties and responsibilities of the teacher aide must be listed, on file, and should incorporate the subject area of the class. Only after these requirements are completed will 0.5 credit be granted. Only one aide section can be taken by the student per semester. These courses will be offered for credit/no credit only.

**Directed Studies** .5 credit/1 sem  
16001 PREREQUISITE: Recommendation Required

Directed Studies provides support for successful learning. It is designed for students who do not have IEPs and who have not successfully completed 9<sup>th</sup> grade required credits or met minimum standards in two or more courses. Students and/or parents who believe this program might be of benefit should contact the student's counselor.

## 11th—12th Grade Courses

**Independent Study** .5 credit/1 sem  
20551 PREREQUISITE: Recommendation Required

This option is designed for the individual desiring an in-depth study in a particular subject area. The student must be sponsored by a faculty member prior to enrollment, preferably initiated by the sponsor. This course cannot be substituted for a class in a core academic area. Forms are available in the student services office. Enrollment requires a committee for determination of grade/credit. The principal or appropriate assistant principal must approve forms. Limit of one enrollment per semester per student.

**Homebound** .5 credit/1 sem  
20201

**Johnson County Community College** .5 credit/1 sem  
20281 PREREQUISITE: Recommendation Required

**University of Kansas** .5 credit/1 sem  
20251 PREREQUISITE: Recommendation Required

**Haskell Indian Nations University** .5 credit/1 sem  
20261 PREREQUISITE: Recommendation Required

These courses provide students with the option to attend classes in non-traditional settings. Written approval by school principal is required. For requirements and other information visit with the school counselor.

**Library/Media Service Worker** .5 credit/1 sem  
20101 PREREQUISITE: Recommendation Required

**General Office** .5 credit/1 sem  
20151 PREREQUISITE: Recommendation Required

**Counseling Office** .5 credit/1 sem  
20301 PREREQUISITE: Recommendation Required

**Teacher Aide** .5 credit/1 sem  
A0003 PREREQUISITE: Recommendation Required

Students and teachers/librarians/counselors/principals who enter into an aide agreement must meet specifications as determined by the high school in order to receive credit. The duties and responsibilities of the teacher aide must be listed, on file, and should incorporate the subject area of the class. Only after these requirements are completed will 0.5 credit be granted. Only one aide section can be taken by the student per semester. These courses will be offered for credit/no credit only.

## Fees

### Required District Fees

Textbook Rental	\$72.00
Supplemental Enrollment	\$50.00
Instructional Materials	\$15.00
Technology Materials	\$10.00
Activity Trip Transportation	\$15.00
<b>Total Required Fees</b>	<b>\$162.00</b>

### Special Fees

Participation Fee (per Sport/Activity)	\$50.00
Co-Curricular Fee Band/Orch/Select Choirs Debate/Forensics	\$25.00
Activity Ticket	\$25.00
Parking Permit	\$10.00

**Required District Fees, Participation Fees and Co-Curricular Fees may be waived for those who qualify for Free and/or Reduced Lunch and Optional Benefit Waiver. Course Fees (below) are not eligible to be waived. A copy of Free and/or Reduced Price Lunch Application/Optional Benefit Waiver Approval Letter is required before benefits can be waived and may be obtained through District Food Service Office. Without a letter, payment is required. Payment plan options are available through school finance office.**

### Course Fees

Expenditures which may be required as a part of a course or activity will be specified in the course description book or enrollment materials prior to enrollment. These costs are approximations. All regular course or activity requirements or expenditures must be approved by the Board of Education before being listed in the handbook and any and all additional requirements must also be approved by the principal. **If there is a problem in meeting the additional expense indicated in the course offerings, please contact staff in the school office.** The actual price for classroom workbooks will be posted in each building at the beginning of the school year. The price listed in this course description book is only an approximation but should not exceed the actual price.

Course Title	Materials	Workbook or Manual	Uniform	Student Organization	Co-Curricular Fee
<b>Career and Technical Education</b>					
Accounting I	\$20	\$30			
Architectural Design I & II	\$28				
Business Tech/Mgmt/OJT				\$10 - 20	
Cabinetry I, II, III, IV	\$20				
College-Prep Engineering and Design	\$15				
Computerized Accounting II	\$20	\$30			
Construction I, II, III, IV	\$20				
Creative Foods	\$10				
Digital Imaging	\$25				
Digital Imaging Studio	\$25				
Drafting	\$25				
Industrial Design	\$40				
Introduction to Industrial Technology	\$15				
Marketing I		\$18			
Marketing II		\$18			
Marketing III/Management				\$15	
Nutrition and Wellness	\$15				
Photography	\$45				
Photography Studio	\$45				
Textiles and Fashion	\$25				
Welding I, II	\$20				

## Course Fees, Cont.

Course Title	Materials	Workbook or Manual	Uniform	Student Organization	Co-Curricular Fee
<b>Foreign Language</b>					
French I, II, III, or IV		\$18			
German I, II, III or IV		\$18			
Spanish I, II, III or IV		\$18			
<b>Fine Arts</b>					
A Capella Choir			\$5		\$25
AP Studio Art: Drawing, 2D & 3D	\$25				
Ceramics/Sculpture	\$25				
Ceramics/Sculpture Studio	\$25				
Chamber Choir			\$5		\$25
Concert Band	\$40*		\$50*		\$25
Concert Choir			\$5		\$25
Concert Chorale			\$5		\$25
Concert Orchestra	\$40*		\$50*		\$25
Debate					\$25
Digital Imaging	\$25				
Digital Imaging Studio	\$25				
Drawing	\$25				
Drawing and Painting Studio	\$25				
Exploring Art	\$20				
Forensics					\$25
Fresh/Soph Men's and Women's Choir			\$5		
Freshman Orchestra	\$40*		\$50*		\$25
Jewelry/Art Metals	\$25				
Jewelry/Art Metals Studio	\$25				
Jr/Sr Women's Choir			\$5		\$25
Photography	\$45				
Photography Studio	\$45				
Portfolio	\$25				
Symphonic Band	\$40*		\$50*		\$25
Symphonic Orchestra	\$40*		\$50*		\$25
Wind Ensemble	\$40*		\$50*		\$25

\* fees are estimated are may be one time costs. For more information contact your school's band or orchestra director.

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**NOTICE OF ACCESSIBILITY**

Lawrence Public Schools provide services and programs to people with disabilities in the most integrated setting possible. Pursuant to the Americans with Disabilities Act, Title II, the Director of Special Operations, Safety and Transportation has been appointed as the ADA coordinator. Please call for information on accessibility, ADA compliance procedures, or accommodation requests.

In order to facilitate participation, accommodations will be made on an individual basis. If you would like to attend a Board of Education meeting or other public event of the District and require an accommodation for people with disabilities, please contact the ADA coordinator at the Lawrence Public Schools, 110 McDonald Drive, Lawrence, Kansas, 66044, 785-832-5000 or through the Kansas Relay Center, 1-800-766-3777, at least 48 hours in advance. The ADA coordinator may refer issues regarding accessibility and accommodations for students to the student services department. ADA issues regarding employment may be referred to the human resources department by the ADA coordinator.

**NONDISCRIMINATION STATEMENT**

Lawrence Public Schools are committed to maintaining a learning environment free from discrimination, insult, intimidation, or harassment for any reason. Discrimination, including acts of harassment, against any individual on the basis of race, color, religion, sex, age, national origin or disability is prohibited by federal and state law and district policy. Discrimination, including acts of harassment, against any individual on the basis of sexual orientation, gender identity, socioeconomic status or physical characteristics is prohibited by district policy thereby making the district complaint procedure available to persons who believe they have experienced such discrimination.

Any incident of discrimination, including acts of harassment, shall be promptly reported for investigation and corrective action by the principal or district compliance coordinator.

The district is an equal opportunity, affirmative-action employer.

Persons desiring additional information about this policy or assistance to accommodate individual needs under Title VI, Title IX, Americans with Disabilities Act, or Section 504 should contact the superintendent, 110 McDonald Drive, Lawrence, Kansas, 66044, 785-832-5000.

# USD 497 9-12 GRADE PERSONAL PLAN OF STUDY

Subject (HS Graduation Requirements)	9th Grade Fall	9th Grade Spring	10th Grade Fall	10th Grade Spring	11th Grade Fall	11th Grade Spring	12th Grade Fall	12th Grade Spring	Post-Secondary Articulated or Dual Credit Opportunities
English (4 years/4 credits)	<input type="checkbox"/> English 9 or Advanced English 9		<input type="checkbox"/> English 10 or Advanced English 10	<input type="checkbox"/> Appreciation of Literature <input type="checkbox"/> Epic Tradition	<input type="checkbox"/> American Literature or Adv. American Literature	<input type="checkbox"/> English 11 Course _____	<input type="checkbox"/> English 12 Course _____	<input type="checkbox"/> English 12 Course _____	<input type="checkbox"/> AP English Literature and Composition
Math (3 years/3 credits) Mandatory in 9, 10 & 11	<input type="checkbox"/> Geometry <input type="checkbox"/> Algebra <input type="checkbox"/> Advanced Algebra 2 <input type="checkbox"/> Investigations of Alg		<input type="checkbox"/> Algebra II <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra II <input type="checkbox"/> Math Course _____		<input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Analysis <input type="checkbox"/> Algebra II <input type="checkbox"/> Adv Algebra II <input type="checkbox"/> Math Course _____			<input type="checkbox"/> AP Literature and Composition	<input type="checkbox"/> AP Calculus AB or BC <input type="checkbox"/> AP Statistics
Science (3 years/3 credits) Mandatory in 9, 10 & 11	<input type="checkbox"/> Biology or Advanced Biology <input type="checkbox"/> General Science 9		<input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Science Course _____		<input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Science Course _____				<input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> AP Physics B
Social Studies (3.5 years/3.5 credits) Mandatory in 9, 10, 11 & 12	<input type="checkbox"/> Social Studies 9		<input type="checkbox"/> Modern World History or AP European History		<input type="checkbox"/> U.S. History I <input type="checkbox"/> AP US History I	<input type="checkbox"/> U.S. History II <input type="checkbox"/> AP US History I	<input type="checkbox"/> US Government (sem) Or AP Government (year)		<input type="checkbox"/> AP European History <input type="checkbox"/> AP U.S. History <input type="checkbox"/> AP Government/Politics
Physical Education/Health (1 Year/1 credit)	<input type="checkbox"/> Health 9	<input type="checkbox"/> PPE							<input type="checkbox"/> AP Music Theory <input type="checkbox"/> AP Foreign Language <input type="checkbox"/> AP Art <b>Articulated Courses</b>
Fine Arts Requirement (1 year/1 credit)									
Elective									
Elective									
Key	<input type="checkbox"/> Social Studies Elective (1 semester)								
	<b>Bold = Required for Kansas Board of Regents Qualified Admissions</b>								