

To: Board of Education

From: Angelique Kobler, assistant superintendent, teaching & learning, ext. 2440  
Terry McEwen, director, curriculum, instruction & assessment, ext. 2613

Re: Approval of High School Course Description & Planning Guide for 2016-2017

Date: February 18, 2016

Background:

The USD 497 High School Course Description Book and Planning Guide is developed to assist in enrollment of students in grades 9-12 and identify the curriculum offerings at the high school level.

Both documents are reviewed annually, and revisions have been made in preparation for the 2016-2017 school year. Each section of the High School Course Description Book and Planning Guide were reviewed by curriculum committees in early January. High school principals, counselors and curriculum teachers on special assignment also reviewed and revised the documents as needed.

The High School Course Description Book and Planning Guide will continue to be an online resource for students, parents and school staff, as we continue to ensure 21<sup>st</sup> century college- and career-ready students, as well as accommodate the learning styles of our digital natives.

Rationale:

The High School Course Description Book and Planning Guide will provide enrollment information for students in grades 9-12. The guide is efficient, organized and user friendly to assist students and parents in their understanding of the curriculum offerings at the secondary level. This format will help them make educated choices on the courses that will match students' interests and prepare them for the future.

Recommendation:

Administration recommends board approval of the High School Course Description Book and Planning Guide for the 2016-2017 school year.

Motion:

"I move the Board of Education approve the 2016-2017 USD 497 High School Course Description Book and Planning Guide for use in student enrollment beginning in February, 2016."

## Senior High School Course Changes

### Physical Education: Recommended Course Deletion

Grades 9 – 12	General Physical Education
Rationale	Low enrollment and redundant course offering

#### Rationale for Name Changes:

Senior High School Course Name changes have been proposed by teacher groups at both high schools. The name changes are requested in order to 1) more accurately portray the content of the course; 2) provide better information to students as they make course selections; 3) to reflect the language of the Kansas College and Career Ready Standards (Common Core). In all cases, content will remain the same.

### Physical Education: Recommended Course Name Changes

Current Name	Proposed Name
Aerobics	Fitness 1
Individual Fitness/Wellness	Fitness II
Dance and Tumbling	Dance and Fitness

## College & Career Center

Rationale: The course name changes below are part of a pathway and programmatic redesign to provide additional options for students

Principles of Biomedical Science	Replaces Food Science
Anatomy and Physiology/Human Body Systems	Provides an Anatomy & Physiology option at the College and Career Center
Media Communications	Provides video production options at the CCC
Business and Marketing Applications	Provides business and marketing options at the CCC

**Courses Provided by Peaslee Tech/Flint Hills Technical College (no cost to USD497)**

<p>Industrial Engineering Technology I 1 Semester Grades 11/12</p>	<p>Students in Industrial Engineering Technology I will identify the proper equipment, materials and tools used in industrial settings. Students will be introduced to industrial electrical symbols and electrical schematics. The students will define current, voltage, and resistance as they relate to all values of electricity. Students will identify types of fuses and circuit breakers used in industrial settings. Alternating current will be explained. Control devices such as pushbuttons, selector switches, limit switches, photoeyes, and temperature switches will also be discussed and utilized.</p>
<p>Industrial Engineering Technology II 1 Semester Grades 11/12</p>	<p>Students in Industrial Engineering Technology II Students will learn the basics of control relays, solenoids, generators, motors, control relays, and transformers. Single phase motors will be covered, along with methods of troubleshooting for electrical circuits. Wiring AC circuits will include the wiring of industrial devices such as transformers, relays and timers. Emphasis will be on developing wiring competencies required by industrial equipment. Industrial power distribution will be among the final topics covered. Applied communications skills will be included.</p>
<p>Industrial Engineering Technology III 1 Semester Grades 11/12</p>	<p>Students in Industrial Engineering Technology III will construct typical wiring diagrams for push buttons. Control stations will include stop/start wiring. Diagrams of single stations, jogging, and reversing push button stations will be included. Interlocking of motor starters will include mechanical, electrical, and push button interlocks. Timers and relays will be used in conjunction with motor control circuits in general industrial plat applications. Devices such as pilot light will be added to each circuits as well as proper fuse control, and safety disconnects.</p>
<p>Industrial Engineering Technology IV 1 Semester Grades 11/12</p>	<p>Industrial Engineering Technology IV covers all aspects of electrical systems used in the electrical and manufacturing industry. Topics contain electrical system applications, step-by-step troubleshooting procedures, and realistic troubleshooting activities including hand-on troubleshooting methods. Topics covered range from electrical theory to troubleshooting industrial circuits and components, as well as NFPA 70E requirements and electric motor nameplate interpretation.</p>