AGENDA

Goals
Engagement
A New Building Diagram
Concept Development
Site Development
Furniture Pilot
Sustainability & Wellness
Schedule / Budget
MASTERPLAN
GOALS

1. Create 21st century learning environments supporting student-centered learning
2. Accommodate a growing student population
3. Provide a safe and secure campus
4. Accommodate student privacy
5. Create equity across the district
6. Strategic MEP and systems upgrades
ENGAGEMENT

DESIGN AND CONSTRUCTION COMMITTEE 1X MONTH SINCE SEPTEMBER 2017
- teachers, administrators, faculty, parents

DISTRICT-LEVEL SPECIAL EDUCATION AND LGBTQ LEADERS 10.16.2018, 05.30.2018


CAREER & TECHNICAL EDUCATION (CTE) TEACHERS 09.15.2017, 09.25.2017

FINE ARTS TEACHERS 03.09.2018, 06.21.2018

PERFORMING ARTS TEACHERS 03.27.2018, 06.21.2018

SPECIAL EDUCATION TEACHERS 01.23.2018

ATHLETICS COACHES AND TEACHERS 01.23.2018

ADMINISTRATORS 03.08.2018

FACULTY (VIA SURVEY)

STUDENT BODY (VIA SURVEY)
790 STUDENTS
(49% STUDENT POPULATION)

STUDENT SURVEY
a majority of students like to learn through hands-on learning with peers... a need for a **collaborative learning environments**
WHERE DO YOU CONSIDER THE HEART OF THE SCHOOL TO BE?

academic / media spaces not recognized as “heart” of school… how can we strengthen core academic areas so they serve as a source of pride and create academic resources that serve as a geographic hub to the school?
the majority of students use the library as a study space... how can we create a **Media Center** that supports the needs of 21st century students?
academic lockers are being used less with the introduction of 1:1 devices… how can we repurpose locker real estate to support 21st century learning?
FACULTY SURVEY OUTCOMES

SUSTAINABILITY / WELLNESS
• Can we create an atmosphere / culture of ‘HEALTH AND WELLNESS’?

SUSTAINABILITY / DAYLIGHT / OUTDOOR LEARNING
• Can we deliver DAYLIGHT TO 100% OF CORE CLASSROOMS?

CTE / MEDIA / ART / MAKER
• Can we create A MORE ACCESSIBLE MEDIA CENTER, increasing utilization and student resources, yet providing quiet space and security where needed?
• CAN CTE BE ‘FRONT AND CENTER’ ... displaying hands-on learning opportunities?
• What if HANDS-ON LEARNING IS ‘FRONT AND CENTER’... connecting core classrooms to CTE, Media, Art, and Maker Space?... a new “Innovation District”
A NEW BUILDING DIAGRAM
1 INNOVATION ‘DISTRICT’
a central resource connecting core classrooms to hands-on opportunities in robotics, video production, art, journalism, maker spaces, and Career and Tech Ed

Flip circulation and ‘innovation’ programs (circ. adjacent courtyards)
Learning Commons… where classrooms and innovation programs meet
Expanded courtyard provides a day- lit ‘wayfinding device’, provides daylight to interior core classrooms
INNOVATION CORRIDOR… a wide ‘commons’ integrating casual seating, ‘genius bars,’ break-out…
Flip circulation and ‘innovation’ programs (circ. adjacent courtyards)

Learning Commons… where classrooms and innovation programs meet

Expanded courtyard provides a day-lit ‘wayfinding device’; provides daylight to interior core classrooms

INNOVATION CORRIDOR… a wide ‘commons’ integrating casual seating, ‘genius bars,’ break-out…
2

WELLNESS/ATHLETIC ‘DISTRICT’
consolidating programs that speak to the related initiatives of health, wellness, nutrition and fitness

Wellness / Athletic Corridor
- Entry to gym
- Connectivity between wellness programs
- Visual emphasis on health and wellness… location to show off related awards and accomplishments

Wellness / Athletic Programs
- Gymnasiums
- Cardio
- Dance
- Weights
- Pre-med
- Culinary
- Health classrooms
- Athletic/PE locker rooms
- Natatorium
OPEN MEDIA

a resource that expands upon those in the innovation district to the south, and extends the flexibility and function of the adjacent dining and commons areas
4 EXPANDED COURTYARDS

serving a new circulation spine, providing outdoor learning opportunities and daylight to ALL core classrooms

Flip circulation and ‘innovation’ programs (circ. adjacent courtyards)

Expanded courtyard provides a day-lit ‘wayfinding device’; provides daylight to interior core classrooms
Flip circulation and 'innovation' programs (circ. adjacent courtyards)

Expanded courtyard provides a day-lit 'wayfinding device'; provides daylight to interior core classrooms
CLEAR WAYFINDING

a new, intuitive wayfinding pattern, unifying the (12) buildings that compose Lawrence High School
6

ONE CAMPUS

Strategic additions will create a single campus, with controlled access during school hours.

- Gates at both the north and south ends of the new Outdoor Learning Commons create a secure connection between the main building and the West Gym/Natatorium.
- Covered walk provides a circulation path between the main building and the West Gym/Natatorium.
- New classroom addition, bridging the main building and the existing Annex building.
CONCEPT DEVELOPMENT
65% of today’s grade school students will end up in jobs that don’t exist today.

Source: US Department of Labor, Future Work Trends and Challenges for Work in the 21st Century
WHAT EMPLOYERS ARE SEEKING IN NEW HIRES

- Collaborative/Work in Teams
- Problem Solving, Critical Thinking
- Grit
- Cognitive Flexibility
- Communication
- Curiosity
- Decision Making, Manage Ambiguity
- Humility, Expert Listening
- Creativity, Cultivate Innovation
- Confident Learners
- Rigor
- Contextual Thinking
- Ethical Judgement
- Organizational Skills
- Risk Taking
- Interpret and Apply Data
- Attract & Develop Talent

Innovation District
WHAT EMPLOYERS ARE SEEKING IN NEW HIRES

Collaborative/Work in Teams
Problem Solving, Critical Thinking
Grit
Cognitive Flexibility
Communication
Curiosity
Decision Making, Manage Ambiguity
Humility, Expert Listening
Creativity, Cultivate Innovation
Confident Learners
Rigor
Contextual Thinking
Ethical Judgement
Organizational Skills
Risk Taking
Interpret and Apply Data
Attract & Develop Talent

Soft Skills / Transversal Skills
EXISTING HANDS-ON PROGRAMS THAT EMPHASIZE TRANSVERSAL SKILL DEVELOPMENT
NEW, CENTRAL INNOVATION DISTRICT, SERVING ALL STUDENTS AND CORE CLASSROOMS
Innovation District

CORE CLASSROOMS

STORAGE

ART / MEDIA

WOODS / METALS

ART

LEARNING COMMONS

Learning Commons - where classrooms and innovation programs meet

Expanded courtyards provide daylight to ALL core and innovation programs

INNOVATION CORRIDOR...

a wide ‘commons’ integrates casual seating and collaboration space

Flip circulation to create single-loaded corridor serving as a new circulation ‘spine’
1. **INTEGRATE ARTS WITH STEM**–related classrooms and labs – promote creativity and innovation across programs.

2. **REPLICATE THE WORKPLACE** wherever and however we can, especially in professional CTE spaces.

3. **PROMOTE OPPORTUNITIES FOR CONNECTIONS ACROSS DISCIPLINES** and subject areas – physically and/or visually. Create more opportunities for integrated teaching and learning experiences and build the overall strength of the campus ecosystem.

4. **CREATE A “MAKER ETHOS”** throughout the school. Every learning space should support project- and team-based activities in addition to other more conventional styles of learning. The Media Center should be a role model for this ethos.

5. **TREAT AND SUPPORT FACULTY AS PROFESSIONALS.** Support them as a faculty community to further collaborate and share ideas across departments, with cool spaces that inspire them not just as teachers but as creatives.

6. **CATER TO AUTHENTIC AUDIENCES.** Create forums for presenting to authentic audiences, both physical spaces (pitch spaces) and virtual forums.

7. **ENGAGE COMMUNITY PARTNERS,** both from the business community and arts community – embed them as much as possible, with touch-down spaces and collaborative teaching/work spaces.

8. **CREATE THE VIBE OF A VENTURE ACCELERATOR.** Create a campus that serves as the hub of entrepreneurial thinking.

---

**Innovation District – Goals**
Large Studio
Innovation District
Learning Commons

- Interdisciplinary Learning
- Presentations to Authentic Audiences
- All - Staff Meetings
- Testing

Project Center
- Self-Directed Project-Based Learning
- Resource for Core Classrooms

Innovation Corridor
Extended Courtyards
Exterior Courtyard
Extended Courtyards

View Looking South
Extended Courtyards
Courtyard
Admin
Student Success Center
New East Entry
New Stair to Second Floor
Learning Stair
Existing Main Entry
Media Commons
Classrooms / Breakout
Classrooms / Breakout

35'-0" x 21'-6" | 30 Student Classrooms

720 sf Classroom
Classrooms / Breakout

35'-0" x 21'-6" | 30 Student Classrooms
Classrooms / Breakout

- Break-Out Room
- ‘Front Porch’ / Open Break-Out
- Access
Typical Classroom Corridor
Classrooms / Breakout
All-Gender Facilities

All-Gender Restroom Along Innovation Corridor
Performing Arts
Shared Practice Rooms

Enlarged Orchestra Room

New instrument storage in black box

Choir Room – improved teaching wall

Dressing room remodel

Auditorium electrical upgrades

Ventilation for Scene Shop and Dressing Rooms

Dedicated storage for choir robes and sheet music

Replacement of auditorium house lighting

Classroom finish upgrades (carpet, paint...)

Corridor finish upgrades

New lighting in corridors and classrooms

Classroom finish upgrades (carpet, paint...)
Specialized Classrooms (ESL, ED, Gifted, Adaptive)

Specialized SpEd (Autism, Medically Fragile, Function)
Coaches Conference Room

Men’s Coaches Locker Room

Women’s Coaches Locker Room

(2) All-Gender Locker Rooms

Open Coaches Offices

Wellness / Athletic District – Coaches Lockers / Office, All-Gender Locker Rooms
New Elevator

New Accessible Viewing Platform

Wellness / Athletic District – Main Gym Mezzanine Accessibility
Building Addition

Existing Building

SEATING COUNT – 330

20” Elevated Front Aisle

New Seven-Tier Fixed Stands

New “Crash” Space

Bleachers Removed For Increased Deck Space

Wellness / Athletic District – Natatorium
SITE DEVELOPMENT
Site Development
Site Development

FROM NORTH PARKING LOT

- New Concrete Pad for Exterior Freezer Storage
- New Gate (Secure Courtyard During School Hours)
- Student Annex Access
- Tiered Seating
- Athletics Event Entry
- Student AM Entry
- New Gate (Secure Courtyard During School Hours)

FROM SOUTH PARKING LOT

Expanded East Courtyard

Expanded Bus Drop-Off

Service Area

Potential Future Garden and Greenhouse Location
Outdoor Learning Commons, View Looking North
Site Development
FURNITURE & TECHNOLOGY PILOT
STUDY:
English, Science, Math And History (4 Classrooms)

TESTING:
Technology Solutions, Lighting, Flooring, Paint, Furniture Systems

FEEDBACK / RESEARCH:
246 Students Surveyed
Follow-up Meeting with Teachers
Benchmark Tours of Peer Institutions
LED Lighting with Increased Control
Refresh (Light Grey) Paint Color
New Technology
Carpet
Furniture
STUDENT FURNITURE
+ Seat Comfort
+ Seat Movement
+ Chair Base
+ Backpack Storage
+ Tiered Table Heights
+ Reconfigurability

TEACHER FURNITURE
+ Storage Solutions
+ Height Adj. Desk
+ Ergonomic Task Chair
+ Mobile Presentation Table

Furniture & Technology Pilot
Key Take-Aways

Height-adjustable and swivel chairs were well liked

Teachers like tiered tables

Students loved the whiteboard tops

Mobility and reconfiguration is highly desired

Adjustable lighting is great

75” Flat Panel Monitors preferred by teachers (new district standard)
SUSTAINABILITY & WELLNESS
KEY ENERGY-SAVING MEASURES

• Steam Boiler Replacement with Condensing Gas Hot Water Boilers
• Variable Speed CW Pumps
• Variable Speed HW Pumps
• Target 35% Interior Lighting Power Reduction Through Use of 100% LED Source Lighting
• Daylight Harvesting in Classrooms/Commons
• Building Power Monitoring — Sub-metering / Potential Building Dashboard
• Air-cooled VRF w/ Decoupled Outside Air
• 30% Increased Outside Air for Ventilation to Classroom and Learning Spaces
• High-Performance Envelope For Building Additions
SCHEDULE / BUDGET
FACTORS DRIVING SCHEDULE

• Maintaining consistent number of classrooms
• Separation between construction and student learning
• Access of the construction team into the building
• Emergency egress for occupants of the space
• Routing of students through the school
• Transition of phases at major breaks
• Relocation of programs and use of other district facilities

TIMELINE

• The construction, design, and district teams continue to meet on a regular basis to explore a multitude of options to ensure the right plan is created. This should be largely vetted out in the next 3 to 4 months.
CONSTRUCTION = 24 to 30 MONTHS

- **June 2018 – TODAY**: LHS bids
- **October 2018**: LHS construction begins
- **August 2021**: LHS complete

**Schedule**
<table>
<thead>
<tr>
<th>Category</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTION</td>
<td>$42,498,000</td>
</tr>
<tr>
<td>FURNITURE, FIXTURES, EQUIPMENT</td>
<td>$2,680,000</td>
</tr>
<tr>
<td>AUDIO/VISUAL</td>
<td>$750,000</td>
</tr>
</tbody>
</table>
(thank you)