# LCHS 7-12 New Elective Course Offerings 2016-2017

Governing Board Information Presentation
March 1, 2016

# LCAP Priority – Student Engagement

#### Superintendent's Goal

- Review the LCHS 7/8 and 9-12 Electives, improving offerings as permitted by the master schedule and staffing considerations.
- Engage in action research related to best practices and models for STEM and STEAM pathways; assess college and career outcome or advantages related to specific pathways; review permanent status FTE issues and impediments; assess student interest; generate short and long-term plans for change.

# A New Language in Education For A New Century

#### A Glossary of Terms

- 21st Century Learning knowledge, skills, work habits, and character traits
- New Standards In Math, English Language Arts, and Science
- CTE Career and Technical Education
- Pathways Academic and Occupational Knowledge Integrated in Multiyear Sequence of Courses
- STEM Science, Technology, Engineering, and Math
- STEAM Adds Applied or Industrial Arts to STEM

## CTE and the New Standards

- Increase College and Career Readiness
- Students Engage with Increased Complexity and Expectations as they Move Through the CTE Pathway
- Preparing Student for jobs that don't yet exist using technologies that haven't been invented in order to solve problems we don't even know are problems yet
- 12 Standards for Career Ready Practice
  - Apply Technology to Enhance Productivity
  - Critical Thinking and Perseverance in Problem Solving

## Our Goal with CTE Course Innovation

Schools Play a Vital Role -

"We seek the day where every enterprise in California - public or private - has access to a pool of talent that both attract the world's leading businesses and hastens the development of new ones, creating opportunities for us all."

Tom Torlakson

State Superintendent, Public Instruction

# California's Career Technical Education:

#### Preparing Students for the 21st Century and Beyond

Fashion and Interior Design

Fashion Design and Merchandising

Construction Trades

Cabinetry, Millwork, and Woodworking

Engineering and Heave

Engineering and Heave n California-Public and philippe Architectural Design



- · Child Development
- Consumer Services
- Education
- Services



#### Hospitality, Tourism,

- Food Science, Dietetics, and Nutrition
- · Food Service and Hospitality
- Hospitality, Tourism, and Recreation

#### INDUSTRY

SECTORS



#### Arts, Media. Entertainment Arts, Media, and

- Design, Visual, and Media Arts
- Performing Arts
- · Production and Managerial Arts
- Game Design and Integration



#### Marketing, Sales, and Services

- Marketing
- Professional Sales
- Entrepreneurship/ Self-Employment



#### Energy, Environment, and Utilities

- Environmental Resources
- Energy and Power Technology
- Telecommunications









- Games and Simulatio



#### Business Management

**Business** and

- Financial Services
- International Business



· Engineering Design

#### Agriculture and Natural Resources

- Agricultural Business
- Agricultural Mechanics
- Agriscience
- Animal Science
- · Forestry and Natural Resources
- · Ornamental Horticulture
- Plant and Soil Science



#### Manufacturing and Product Development

- Graphic Production Technologies
- Machining and Forming Technologies
- · Welding and Materials Joining
- Product Innovation and Design





- · Emergency Response



#### **Public Services**

- · Public Safety
- Legal Practices



#### · Health Care Operational Support Services

**Health Science and** 

Medical Technology

Biotechnology

- Public and Community Health
- Mental and Behavioral Health



tp://www.cde.ca.gov/ci/ct/sf/ctemcstandards.asp



in

"We seek the day"

















# Under Consideration 2017 – 2018 and Beyond

- Pathway Possibilities- Engineering, Architecture and Design (Project Lead the Way)
- Pathway Possibilities Hospitality, Tourism and Recreation
- Pathway Possibilities Arts, Media and Entertainment
- Pathway Possibilities Health Sciences
- Pathway Possibilities Transportation, Automotive Technology and Design

# LCHS 7/8 – Interests and Priorities

- Developing Science, Technology, Engineering, Applied Arts, and Mathematics elective opportunities for students
- Promoting the visual and performing arts in 7/8
- Providing middle school students with 21<sup>st</sup> century learning opportunities
- Building Career Technical Education (CTE) awareness in 7/8 students
- Growing the declining numbers in the 7/8 Band Program

# Opening Options for 7/8 Elective Exploration

- Increasing numbers of 7/8 students have opted to enroll in a World Language as their elective, largely due to the elementary Spanish program
- This limits or eliminates their opportunities to explore STEAM, CTE, the arts or other elective offerings
- Innovation: Offer 2 zero period PE courses to open a period in approximately 90 – 110 students' instructional day

# New LCHS 7/8 Elective Offerings — 2016-17

- Expand 7/8 Band Beginning and Advanced (priority enrollment in zero period PE)
- Create a 7/8 LCTV
- Create a 7/8 Coding class
- Imbed the 7/8 STEAM class into the regular day
- All of the current offerings will be offered for 16-17

# Current Offerings That Will Continue In 16-17

- Art/Ceramics
- Speech and Debate
- World Language
- Communications/Newspaper
- Drama
- Yearbook
- Orchestra
- Band
- Choir (Vocal, Women's)

## LCHS 9-12 — Interests and Priorities

- Begin to Build Career Technical Education Pathways
  - Project Lead the Way
  - LCTV
- Introduce a 9<sup>th</sup> Grade Elective which focuses on *Healthy Living*
- Emphasize the visual, performing, and applied arts elective opportunities for students
- Support students with World Language enrichment as we explore online learning opportunities

# Project Lead the Way – Engineering Pathway

- Courses that Emphasize
  - Open-Ended Problem Solving
  - Application of Engineering Principles and Design Process
  - Use of Modern Technologies
- 3 Class Pathway
  - Introduction to Engineering Design VPA Elective 2016-17
  - Principles of Engineering 2017-18
  - Engineering Design and Development 2018-19

# LCTV

- LCTV 1 Introduction to Video Production - 2016-17 VPA Elective
- LCTV 2 Intermediate Video Production 2017-18
- LCTV 3 Advanced Video
   Production 2018-19



# 9th Grade Modern Issues/Teen Living "Pilot"

- 9th Grade Elective for 2016-17
  - Life Management Skills in the Following Domains
    - Personal and Family Living
    - Wellness, Nutrition, Food and Health
    - Thriving Behaviors and Developmental Assets
    - Digital Citizenship and Social Media Responsibility
    - Appropriate Child Development Practices
- Pilot course 2016-17

# Jazz Band



# Support for Student Success

- Challenge Success
- On-Line Learning Enrichment Support Options
- Service Nation
- Modern Issues/Teen Living
- Maintain low counselor/student ratios

# Considerations and Challenges

- Zero period start for 7/8
- Student Interest
- Current elective offerings
- Current Staffing
- Declining Enrollment
- Scheduling and Facilities Limitations
- Funding

# QUESTIONS AND DISCUSSION