East Bay Innovation Academy Computer Science and Design Innovation

Presentation to Measure N Commission Dec 7, 2021

Presented by East Bay Innovation Academy

Presented to the Measure N Commision

12/7/21

Introtions

Pathway Leadership Team

- Executive Director - Michelle Cho
- Principal - Rodolfo Ornelas
- Pathway Coordinator - Mason Brown
- WBL Coordinator - Christine Mandilag
- Linked Learning Coach - Patricia Clark
- Design Innovation Coach - Zach Powers
- CTE Teachers - Kathy Tran and Susan Verharen

Pathway Information

Pathway name:

Computer Science and Design Innovation: a Software and Systems Development Pathway

Industry Sector:

Information and Communication Technologies

Pathway Mission

EBIA Upper School is a "Computer Science and Design Innovation" Linked Learning pathway which aims to prepare a diverse group of students, who reflect the Oakland community, to be successful in college and to be thoughtful, engaged citizens who are leaders and innovators in a 21st century global world.

Pathway Vision

We strive to support students in using Information and Communication Technologies to design, innovate, and create change within our community. This focus allows us to integrate college-prep coursework with CTE (career technical education) and the social and emotional skills students need to be leaders and changemakers. Students learn to be problem solvers and strong advocates who utilize computer science, technology and the design process to create innovative solutions for the issues faced by their community. When students leave EBIA they are ready for college, to pursue a career in computer science or a design field, and to be leaders in whatever path they choose.

Number of Students in Pathway: 246

Updates

OAKLAND UNIFIED
SCHOOL DISTRICT
Community Schools, Thriving Students

Program of Study

- **CSDI 1: Computer Science and Design Innovation**, English 9, World History, Biology , Advisory, and Career Exploration (dual enrollment course)
- **CSDI 2: AP Computer Science**, Principles English 10, US History, Physics, and Advisory
- **CSDI 3: Computer Science and Design Innovation Capstone**, English 11, Government/Econ, Chemistry, and Advisory
- **CSDI 4: Computer Science and Design Innovation Senior Seminar**, Senior Practicum (includes Internships and advanced learning opportunities), and English 12

Updates

Structural Shifts in Support of Pathways

- Changed Master Schedule, Bell Schedule, and Graduation Expectations in order to achieve:
  - **100% of students** are now pathway students
  - 165 min of **PLC and Staff Collaboration** time built in to schedule.
  - New 7 period day with expanded access to core, CTE, and support courses and allowed dedicated weekly WBL time in schedule
  - **Cohorted CTE and academic core courses** at all grade levels
- Increased **staffing investment**
  - Pathway Coordinator
  - WBL Coordinator
  - Internship Coordinator
  - LL and Design Innovation Coaches
  - CTE certified teachers
- **Dual Enrollment** program for all in 9th grade (Merritt Partnership)
- Expansion of **Design Innovation Lab** (MakerSpace)

Updates

CTE & Rigorous Academics Integration

- Re-design of **4 year CTE** course sequence
- Cross-Disciplinary projects in **cohorted classes** at all grade levels in addition to an end of year grade-level Capstone projects
- **CSDI 4: Senior Seminar,** Senior Practicum and Senior Symposium
- Addition of partnership with Paper Tutors for **24/7 academic support** for students.

Updates

Deepening Work-Based Learning experiences across Pathway

- Strengthened our **WBL continuum** so that there is gradual progression through Awareness, Exploration, Preparation, and Training with **specific activities for ALL students**
- **Integrated WBL** into instructional program at each grade level (Core Courses and Advisory)
- **Designated time** in schedule for WBL each week and during Intersession
- Adding **Internship Coordinator**
- New **on-site College and Career Center** w/ Cal Partnership (DCAC)

Updates

What is different this year from 2019-20 in terms of pathway development?

- **Expanded pathway planning team** with weekly meeting times + GLT/PLC time (Mon + Wed)
- **Site visits** to Porterville and Mcclymonds
- **Industry Advisory Board** meets quarterly
- **Partnership** with Peralta and OUSD Dual Enrollment coordinator
- Increased **coaching** investment
- Increased **focus on root cause analysis** to drive decisions - Instructional Leadership Cohort
- **PBL Leadership Academy** for teachers

Summary:

Clarifications from site visit:

- **Senior Year**
  - CSDI 4 - Senior Seminar (A-G approved course)
  - Senior Practicum + Senior Symposium
- **A-G Approval**
  - Almost all courses currently approved
  - All new courses will be approved by spring 2022

Other Highlights:

- **100% of students** in the pathway
- **4 year CTE course sequence** with CTE certified teachers
- Expanded **staffing and shared ownership**
- **4 year WBL continuum** with supports for ALL students to access opportunities
- **Dual Enrollment** (9th grade Career Exploration and planned expansion)
- Expanded **support classes** (ELD, SPED, Math, ELA)
- **PLC work time/Teacher collaboration** time integrated into the school day (165 min per week)
- New **on-site College and Career Center** w/ Cal Partnership (DCAC)
- Received **A-G Quality School Award** for graduating African American and Latino student college ready
- Submitted Evidence for **LL Silver Certification**

EVERY *STUDENT THRIVES!*

OAKLAND UNIFIED SCHOOL DISTRICT

Community Schools, Thriving Students

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