

# East Bay Innovation Academy: Computer Science and Design Innovation Pathway

Aligned Career Tech Education Industry Sector: Information and Communication Technology - Software and Systems Development

## Rigorous Academics

## Career Technical Education

## Work-Based Learning (WBL)

## Student Supports

### Measure N Investments

- Professional Development (Site Visits, Conferences, etc.)
- Pathway Coordinator
- Director of College and Career Readiness

### Pillar Components/Activities

- A-G coursework for all
- Cohorting to support cross-curricular projects at all grades
- Professional development for theme integration
- Project/Problem Based Learning that integrates Design Process and industry partners
- Whole School Rubrics and grading outcomes
- Rigorous Graduation Requirements
- Dual Enrollment and AP opportunities

### Measure N Investments

- Pathway Coordinator
- Design Innovation Lab Coordinator
- CTE Teacher
- Design Innovation Lab Materials and Equipment
- Linked Learning and Design Innovation Coaches

### CTE Course Sequence

- CSDI 1: CS Essentials (PLTW)
- CSDI 2: AP Computer Science Principles (PLTW)
- CSDI 3: Computer Science and Design Innovation Capstone
- CSDI 4: Senior Practicum and advanced CS courses
  - Cybersecurity (PLTW)
  - AP Computer Science A (PLTW)

### Pillar Components/Activities

- Certified CTE Instructors
- UC A-G approved courses
- Design Innovation Lab Pathway Advisory Board
- Pathway Ambassador recruitment in progress

### Measure N Investments

- Work Based Learning Coordinator
- Internship Coordinator
- Internship Transportation
- Internship Networking, Conference, and Event Fees

### Partnerships

- DCAC
- Peralta Community College
- Berkeley Labs
- Pi-Top
- Genysis Works
- City of Oakland
- KQED
- Industry Board Members - Microsoft, 44 Energy, Shot Spotter, IDEO, etc

### Pillar Components/Activities

- 4 year WBL continuum (Awareness, Exploration, Preparation, Training)
- 9th grade career exploration dual enrollment course
- 4 year career portfolio and college/career plan
- Industry talks, job shadows, interviews, internships,
- Senior symposium

### Measure N Investments

- Director of College and Career Readiness
- Work Based Learning Coordinator

### Existing Supports

- Academic Counseling and Executive Functioning Specialists
- Inclusion Special Education model
- 4 year Advisory program integrated into Pathway and WBL continuum
- Personalized Learning Plans
- Office Hours
- Peer Tutor and Peer Mentor programs
- Online tutoring services
- Academic Support courses

### Pillar Components/Activities

- Pathway orientation
- Embedded college and career curriculum into Advisory
- Expanded academic support classes
- Expanded and streamlined credit recovery program