

# OAKLAND TECH

## Computer Academy

Aligned CTE Industry Sector: Information and Communication Technologies

### Rigorous Academics

#### Measure N Investments

- New supplemental books for Health Academy English classes

#### Pillar Components/Activities

- Senior capstone project
- Industry Standard Skills
- Project Based
- Labs
- Academic Competitions

### Career Technical Education

#### Measure N Investments

- Lab Equipment
- Books

#### CTE Course Sequence

- AP Computer Science Principles
- AP Computer Science or Computer Program 2
- Computer Science Capstone

#### Pillar Components/Activities

- Dual Enrollment classes in ECCCO summer program and school year classes
- Career Readiness skills like resume building, professional emailing, healthcare professionals panels and webinars
- Advisory Board meets 2 times per year
- Internships

### Work-Based Learning (WBL)

#### Measure N Investments

- ECCCO stipends for students in summer internships and community college classes

#### Partnerships

- Cisco
- INTEL
- EdFund

#### Pillar Components/Activities

- Resume Workshops
- Mock Interviews
- Summer opportunities preparation
- Job Shadowing

### Student Supports

#### Measure N Investments

- Salary for Student Support Specialist

#### Pillar Components/Activities

- 1:1 Check-ins
- Family Engagement
- Cost Services
- Social Emotional Support
- Tutoring
- Academic Support
- College/Career Support (applications, interview prep)
- Collaboration with WBL
- Field Trip Logistics

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# OAKLAND TECH

## Engineering/Architecture Academy

Aligned CTE Industry Sector: Engineering and Architecture

Rigorous Academics	Career Technical Education	Work-Based Learning (WBL)	Student Supports
<p><b><u>Measure N Investments</u></b></p> <ul style="list-style-type: none"> <li>• Model building supplies for Engineering Principles</li> <li>• Lab supplies for capstone class</li> <li>• Materials for capstone projects</li> </ul> <p><b><u>Pillar Components/Activities</u></b></p> <ul style="list-style-type: none"> <li>• Senior capstone project</li> <li>• Industry Standard Skills</li> <li>• Project Based</li> <li>• Bridge Competition</li> </ul>	<p><b><u>Measure N Investments</u></b></p> <ul style="list-style-type: none"> <li>• Industry Field trips</li> <li>• Books, resources and materials</li> </ul> <p><b><u>CTE Course Sequence</u></b></p> <ul style="list-style-type: none"> <li>• Engineering Principles (10th grade)</li> <li>• Architecture 1 (11th grade)</li> <li>• Architecture 2 (12th grade)</li> <li>• Chemistry and Engineering Design (12th grade)</li> </ul> <p><b><u>Pillar Components/Activities</u></b></p> <ul style="list-style-type: none"> <li>• Advisory Board meets twice a year</li> <li>• Dual Enrollment</li> <li>• ECCO summer Program</li> <li>• Career Readiness Skills               <ol style="list-style-type: none"> <li>a. POC, Dream Job Speaker Series</li> <li>b. Informational Interviews</li> <li>c. Mentoring (In Development)</li> </ol> </li> </ul>	<p><b><u>Measure N Investments</u></b></p> <ul style="list-style-type: none"> <li>• ECCO Summer Stipends</li> <li>• Field Trips</li> <li>• Certifications</li> </ul> <p><b><u>Partnerships</u></b></p> <ul style="list-style-type: none"> <li>• Arcsine</li> <li>• Ratcliff</li> <li>• EKI Environment &amp; Water, Inc.</li> <li>• YuanGou Design</li> <li>• AECOM</li> <li>• Sila</li> </ul> <p><b><u>Pillar Components/Activities</u></b></p> <ul style="list-style-type: none"> <li>• Resume Workshops</li> <li>• Mock Interviews</li> <li>• Summer opportunities preparation</li> <li>• Job Shadowing</li> </ul>	<p><b><u>Measure N Investments</u></b></p> <ul style="list-style-type: none"> <li>• Student Support Specialist</li> </ul> <p><b><u>Pillar Components/Activities</u></b></p> <ul style="list-style-type: none"> <li>• 1:1 Check-ins</li> <li>• Family Engagement</li> <li>• Cost Services</li> <li>• Social Emotional Support</li> <li>• Tutoring</li> <li>• Academic Support</li> <li>• College/Career Support (applications, interview prep)</li> </ul>

# OAKLAND TECH

## Fashion, Art & Design Academy

Aligned CTE Industry Sector: Fashion and Interior Design, Arts Media & Entertainment

### Rigorous Academics

#### Measure N Investments

- New supplemental books for English classes
- Portfolio Seminar

#### Pillar Components/Activities

- Senior capstone project
- Portfolio defense with authentic audience
- Industry Standard Skills
- Project Based
- Labs
- Academic Competitions

### Career Technical Education

#### Measure N Investments

- Remote Learning WBL experience
- Art Supplies
- Books
- Design Software
- Equipment

#### CTE Course Sequence

- FADA Fundamentals
- Fashion History, Graphic Design 2, Computer Animation 2
- Fashion Marketing, AP 2D Art & Design, Computer Animation 3

#### Pillar Components/Activities

- Internships
- Dual Enrollment classes in ECCCCO summer program and school year classes
- Career Readiness skills like portfolio development, resume building, artist bio, building professional website, professional networking, professional emailing, professional panels and webinars
- Advisory Board meets 2 times per year

### Work-Based Learning (WBL)

#### Measure N Investments

- ECCCCO stipends for students in summer internships and community college classes

#### Partnerships

- Mocha
- Fashion on the Square
- Peak
- Civic Design Studio
- California College of the Arts
- Academy of Art University
- Salesforce
- Roadster

#### Pillar Components/Activities

- Portfolio Seminar
- Resume Workshops
- Mock Interviews
- Summer opportunities preparation
- Job Shadowing

### Student Supports

#### Measure N Investments

- Salary for Student Support Specialist

#### Pillar Components/Activities

- 1:1 Check-ins
- Family Engagement
- Cost Services
- Social Emotional Support
- Classroom Support
- Academic Support
- College/Career Support (applications, interview prep)
- Collaboration with WBL
- Field Trip Logistics

# OAKLAND TECH

## Health/BioTech Academy

Aligned CTE Industry Sector: Health Science and Medical Technology

### Rigorous Academics

#### Measure N Investments

- New supplemental books for Health Academy English classes

#### Pillar Components/Activities

- Health Fair
- Senior Capstone
- Survey Project
- Biotech Partner Training (11th grade only) (Healthcare Occupation = Biotech ½)
- Biotech ¾
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### Career Technical Education

#### Measure N Investments

- New supplies for dissection to increase exposure to anatomy study- this was pivoted to at home experiment kits for distance learning

#### CTE Course Sequence

- 10th grade: Physiology with additional lab section
- 11th grade: Chemistry + Biotech 1/2
- 12th grade options:
  - Biotech ¾
  - Exploring Social Determinants of Health: An Internship Experience at Highland Hospital
  - AP Biology
  - AP Environmental Science
  - AP Physics

#### Pillar Components/Activities

- CPR Certification
- Dual Enrollment classes in ECCCO summer program and school year classes
- Career Readiness skills like resume building, professional emailing, healthcare professionals panels and webinars

### Work-Based Learning (WBL)

#### Measure N Investments

- ECCCO stipends for students in summer internships and community college classes

#### Partnerships

- Biotech Partners
- Alameda Health Systems (HEAL)
- UCSF Children's Hospital (CHORI and CHAMPS)
- CCMP
- HCSA
- Wright Institute
- MiMS (Mentoring In Medicine and Science)
- Gilead Sciences
- Genentech
- Pendolino

#### Pillar Components/Activities

- Resume Workshops
- Mock Interviews
- Summer opportunities preparation
- Job Shadowing

### Student Supports

#### Measure N Investments

- Salary for Student Support Specialist

#### Pillar Components/Activities

- 1:1 Check-ins
- Family Engagement
- Cost Services
- Social Emotional Support
- Tutoring
- Academic Support
- College/Career Support (applications, interview prep)
- Collaboration with WBL
- Biotech Partners Program Support Staff

# OAKLAND TECH

## Race, Policy, and Law

Aligned CTE Industry Sector: Public Services / Legal Services

### Rigorous Academics

#### Measure N Investments

- New books for Academy English classes. Materials for mock trial, city council simulation, Y Plan partnership

#### Pillar

#### Components/Activities

- *Mock Trial (10th Grade)*
- *City Council Simulation (11th Grade)*
- *Senior Capstone (12th Grade)*

### Career Technical Education

#### Measure N Investments

- Curriculum and books for the three CTE classes

#### CTE Course Sequence

- 10th grade: English 2 and Law & Society
- 11th grade: English 3 and Policy & Advocacy
- 12th grade: English 4 and Social Justice Advocacy (Capstone class)

#### Pillar Components/Activities

- Advisory Board meets 2 to 3 times per year
- Dual Enrollment classes aligned with pathway ECCCO summer program and school year classes
- Career Readiness skills like resume building, professional emailing, Guest speakers, and career panels

### Work-Based Learning (WBL)

#### Measure N Investments

- ECCCO stipends for students in summer internships and community college classes
- Field trips

#### Partnerships

- Center for Youth Development Through Law
- Alameda County Courthouse Summer Internship Program
- Rose Foundation for Communities and the Environment
- CORO Exploring Leadership Program
- Mosaic Project
- Y Plan
- [California LAW Pathways](#)

#### Pillar

#### Components/Activities

- 11th grade Mentoring Program (informational interview, job shadowing, mock interviews / resume review)

### Student Supports

#### Measure N Investments

- Salary for Student Support Specialist

#### Pillar

#### Components/Activities

- SSS Caseload (1:1 Check Ins, SEL skills, Connection to COST services, tutoring, academic advisement, college application support, internship application support, etc)
- SSS helps coordinate and run the 11th grade mentoring program and maintain relationships with community partners.