

OAKLAND TECHNICAL HIGH SCHOOL LINKED LEARNING 4 PILLARS



**HOME OF THE BULLDOGS
2023**



OAKLAND TECH Computer Academy

Aligned CTE Industry Sector: Information and Communication Technologies

Rigorous Academics

Measure N Investments

- New hardware/software to keep up with industry standards

Pillar Components/Activities

- Senior capstone project / Junior interdisciplinary integrated projects
- Sophomore interdisciplinary integrated projects
- Industry Standard Skills
- Project Based
- Labs

Career Technical Education

Measure N Investments

- Lab Equipment
- Books
- Maker Lab Supplies (future investment)
- Consumables supplies

CTE Course Sequence

- AP Computer Science Principles, (TBD Maker Class)
- AP Computer Science, Computer Program 2, Dual Enrollment x2
- 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

Work-Based Learning (WBL)

Measure N Investments

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

Partnerships

- Cisco Certification program
- INTEL Mentoring Program
- INTEL paid summer internship
- Oracle Certification program
- EdFund
- Neilsen
- Lawrence Livermore Lab
- Cybersecurity program
- Data Science programs
- Certiport

Pillar Components/Activities

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

Student Supports

Measure N Investments

- Salary for Student Support Specialist
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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



OAKLAND TECH

Engineering Academy

Aligned CTE Industry Sector: Engineering and Architecture

Rigorous Academics

Measure N Investments

- Supplies for Engineering Technology I & II Projects
- Equipment for Manufacturing Shop
- Materials for capstone projects

Pillar Components/Activities

- Senior capstone project
- Industry Standard Skills
- Project Based
- Bridge Competition

Career Technical Education

Measure N Investments

- Industry Field trips
- Books, resources and materials

CTE Course Sequence

- Engineering Technology I (10th grade)
- Engineering Technology II (11th grade)
- Innovative Design Capstone (12th grade)

Pillar Components/Activities

- Advisory Board meets once a year
- Dual Enrollment
 - ENGIN 10: Intro to Engineering
 - ENGIN 22: Engineering Graphics
- ECCO summer Program
- Career Readiness Skills
 - a. POC, Dream Job Speaker Series
 - b. Informational Interviews
 - c. Mentoring (In Development)

Work-Based Learning (WBL)

Measure N Investments

- ECCO Summer Stipends
- Field Trips
- Certifications

Partnerships

- Arcsine
- Ratcliff
- EKI Environment & Water, Inc.
- YuanGou Design
- Lawrence Berkeley National Labs
- Tesla
- ASCE
- AECOM
- Sila

Pillar Components/Activities

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

Student Supports

Measure N Investments

- 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)



OAKLAND TECH

Fashion and Design Academy

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

Rigorous Academics

Measure N Investments

- Resources and supplies for PBL and interdisciplinary units
- Portfolio Seminar

Pillar Components/Activities

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

Career Technical Education

Measure N Investments

- WBL Experience
- Supplies
- Books
- Equipment

CTE Course Sequence

- Fashion Fundamentals
- Intro to Fashion Design
- Fashion History
- Fashion Marketing
- Graphic Design 3
- Computer Animation 3

Pillar Components/Activities

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

Work-Based Learning (WBL)

Measure N Investments

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

Partnerships

- Mocha
- Oakland Style Lab
- JA of Northern California
- Civic Design Studio
- California College of the Arts
- Academy of Art University
- Salesforce
- Roadster
- Pixar X in a Box

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
- Future Investment: Extended contracts for cross content collaboration and curriculum development

Pillar Components/Activities

- Health Fair
- Senior Capstone
- Survey Project
- Biotech Partner Training

Career Technical Education

Measure N Investments

- New supplies for dissection to increase exposure to anatomy study
- CPR/First Aid Training

CTE Course Sequence

- 10th grade: Physiology with additional lab section
- 11th grade: Chemistry + Biotech 1/2
- 12th grade options:
 - Biotech 3/4
 - 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,

Work-Based Learning (WBL)

Measure N Investments

- ECCCO stipends for students in summer internships and community college classes
- Field trips to work sites like veterinary clinics (e.g. Sage) and medical certification institutions (e.g. KP Launch)

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

Pillar Components/Activities

- Resume Workshops
- Mock Interviews with industry professionals, including Advisory Board members
- 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, research)
- Collaboration with WBL
- Biotech Partners Program Support Staff



Oakland Tech: Race, Policy, and Law Academy

Aligned CTE Industry Sector: Public Services / Legal Services

Rigorous Academics

Measure N Investments

- replacement of books
- Transportation for college visit field trips

Pillar Components/Activities

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

Career Technical Education

Measure N Investments

- Curriculum development and support for CTE courses

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 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
- Transportation & admission fees for field trips

Partnerships

- Alameda County Public Defenders
- Alameda County Courthouse Summer Internship Program
- Street Law, Inc.
- Center for Youth Development Through Law
- California LAW Pathways

Pillar Components/Activities

- 10th grade resume building
- 11th grade Mentoring Program (informational interview, mock interviews / resume review)
- 12th grade resume update
- 12th grade Life Skills workshop series: Financial Health & Literacy, Networking, and LinkedIn

Student Supports

Measure N Investments

- Salary for Student Support Specialist (SSS)

Partnerships

- Street Law
- Alameda County Public Defenders
- Alameda County Courthouse
- Center for Youth Development Through Law

Pillar Components/Activities

- SSS facilitates weekly Students of Concern meeting with grade level teacher
- 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.
- SSS supports RPL Student Planning

Oakland Tech - 9th Grade



Rigorous Academics

Career Technical Education

Work-Based Learning (WBL)

Student Supports

Measure N Investments

- Summer Bridge - Teacher salaries to support SEL, to reteach, review and remediate

Measure N Investments

- Counseling Support

Measure N Investments

- Exploratory (Nepris)
- Presentations

Measure N Investments

- Dedicated 9th Grade Counselor
- Student Support Specialist

Pillar Components/Activities

- *Teacher led SEL Class*
- *Cost*
- *SST*
- *Staff 1 to 1 check in*
- *Attendance Improvements and incentives program*
- *BTSC*
- *Weekly Collaborative Meetings*
- *Weekly house and content collaboration periods*
- *Emphasis on CRT*

CTE Course Sequence

- College & Career Field Trips

Pillar Components/Activities

- *Dual Enrollment- Urban Sociology (Fall)*
- *Dual Enrollment- Urban Sociology (Spring)*

Partnerships

Pillar Components/Activities

- Career Exploration

Partnerships

- BTSC - Core Districts

Pillar Components/Activities

- *Student Support Specialist to support with Tier 3 Scholars, attendance, SEL, RJ and scholar family connections*
- *Relationship Survey - given 3x/yr. Identifies students who score 'weak' and students' relational needs*