

# Innovative Design & Engineering Academy (IDEA)

Aligned CTE Industry Sector: Engineering Technology

## Rigorous Academics

### Measure N Investments

- Staff planning time to build curriculum with an emphasis on integrated and thematic units connected to industry theme, and address student support and intervention

### Pillar

#### Components/Activities

- Integrating design thinking process, universal design, and engineering concepts into content area classes through thematic and integrated units
- Implement a no-D policy across all pathway classes

## Career Technical Education

### Measure N Investments

- Funding for additional training, conferences, and professional development for CTE teachers
- Site-based Pathway Coach

### CTE Course Sequence

- Engineering Design & Analysis (from Engineering Your World)
- Universal Design I
- Universal Design II

### Pillar Components/Activities

- Redesigning course sequence and offering new courses starting 22-23

## Work-Based Learning (WBL)

### Measure N Investments

- Site-specific Work Based Learning Liaison
- Summer Internship Program through ECCCO (*Exploring College, Career, and Community Options*)
- Costs associated with work-based learning and community building events off campus

### Partnerships

- Google, Pandora
- PilotCity
- Penumbra Inc
- NAC Architecture
- Genesys Works
- Y-Plan (UC Berkeley)

### Pillar

#### Components/Activities

- Job Fair
- Roundtable workshops of student work with industry partners
- Career panels and study tours

## Student Supports

### Measure N Investments

- Pathway dedicated counselor
- Pathway dedicated AP
- Pathway dedicated case manager

### Pillar

#### Components/Activities

- Tiered student intervention system with students of concern protocol and individual student supports
- Ongoing pathway re-branding to increase access and equity in Engineering
- Community building activities and trips
- Partnership with site-based Wellness Center
- Phased adoption of master-based grading

# ENVIRONMENTAL SCIENCE ACADEMY

Aligned CTE Industry Sector: Energy, Environment, and Utilities  
(Environmental Resources Pathway)

## Rigorous Academics

### Measure N Investments

- Staff planning time to build curriculum with an emphasis on project based learning, interdisciplinary units, vertical alignment

### Pillar Components/Activities

- All pathway 12th graders must pass the Senior Project
- Implementing new Senior Capstone class
- Implementing no-D and/or mastery-based grading policies in most pathway classes

## Career Technical Education

### Measure N Investments

- Funding for study tours
- Funding for project materials and supplies
- Site-based Pathway Coach

### CTE Course Sequence

- Environmental Studies 1
- Environmental Studies 2
- Advanced Environmental Studies and Action

### Pillar Components/Activities

- Organizing two farmer's market-style events to showcase pathway work
- Guest speakers from industry partners
- Utilizing outdoor classroom garden space more regularly

## Work-Based Learning (WBL)

### Measure N Investments

- Site-specific Work Based Learning Liaison
- Summer Internship Program through ECCCO (*Exploring College, Career, and Community Options*)

### Partnerships

- EBMUD
- Sunpower
- Waste Management
- Planting Justice
- Sierra Club
- Bay Area Wilderness Training
- Metrolinx
- Rose Foundation

### Pillar Components/Activities

- Study tours to job shadow
- Mock Interviews
- Job fair
- Resume workshops

## Student Supports

### Measure N Investments

- Pathway Dedicated Counselor
- Pathway Dedicated AP
- Pathway Dedicated Case Manager

### Pillar Components/Activities

- Implementation of data informed intervention system that allows for broad analysis and deeper, student-specific inquiry.
- Community building activities on campus and in local green spaces.
- Partnership with site-based Wellness Center
- Adoption of the No-D Policy
- Partial adoption of mastery-based grading.

# LAW & SOCIAL JUSTICE

## Aligned CTE Industry Sector: Law & Public Service

### Rigorous Academics

#### Measure N Investments

- Staff planning time to build curriculum with an emphasis on project based learning, interdisciplinary units, vertical alignment.

#### Pillar Components/Activities

- 3-year CTE course sequence
- 12th grade teacher holds Law CTE credential
- Senior Capstone incorporates pathway themes and topics relating to the law, community issues, and public service

### Career Technical Education

#### Measure N Investments

- Funding for study tours
- Funding for guest speakers
- Site-based Pathway Coach

#### CTE Course Sequence

- 10 - Intro to Law & Social Justice
- 11- Development of American Justice
- 12 - Social Justice & Advocacy

#### Pillar Components/ Activities

- Robust project-based learning units that include authentic audiences/clients
- Guest speakers from industry partners
- Partnership with Y-PLAN at UC Berkeley for civic engagement project based learning (grade 11)

### Work-Based Learning (WBL)

#### Measure N Investments

- Site-specific Work Based Learning Liaison
- Summer Internship Program through ECCCO (*Exploring College, Career, and Community Options*)
- Guest Speakers & site visits

#### Partnerships

- Alameda County Public Defender's Office and Superior Courthouse
- Centro Legal de la Raza
- Center for Youth Development through Law
- Law Students of African Descent

#### Pillar Components/ Activities

- Mock trial
- Reimagining Justice
- Mock Interviews
- Job fair
- Resume workshops

### Student Supports

#### Measure N Investments

- Pathway Dedicated Counselor
- Pathway Dedicated AP
- Pathway Dedicated Case Manager

#### Pillar Components/ Activities

- Regular meeting time for pathway teachers and support staff (AP, counselor, case manager)
- Implementation of data informed intervention system that allows for broad analysis and deeper, student-specific inquiry.
- Tiered student intervention system with students of concern protocol and individual student supports
- Community building activities on campus and with community partners
- Partnership with site-based Wellness Center

# PUBLIC HEALTH ACADEMY

Aligned CTE Industry Sectors: Public Health

## Rigorous Academics

### Measure N Investments

- Staff planning time to work on creating equitable mastery-based grading within the pathway.

### Pillar Components/Activities

- Three-year sequence of CTE classes in place (since 2015)
- Robust project-based learning units in humanities classes with authentic and relevant topics and public exhibitions of student work
- Senior Project completion required for graduation.
- Every senior has a staff project advisor for Senior Project.
- AP, dual enrollment, & concurrent enrollment classes encouraged but not required, with an emphasis on science & health.
- "No D" grading policy (since 2019)
- Visits to curriculum-aligned museum exhibitions and theater productions when available.

## Career Technical Education

### Measure N Investments

- Extended meeting time for staff to meet with community partners in order to further staff knowledge of public health issues.

### CTE Course Sequence

- All three courses are UCCI (University of California Curriculum Integration approved).

**10th:** Public Health Solutions

**11th:** Literacy, Advocacy, and Public Service

**12th:** Reading & Writing for a Healthier World

### Pillar Components/Activities

- Dual enrollment courses include health, and EMT training courses.
- All students receive CPR/First Aid training.
- Industry partners as classroom speakers.

## Work-Based Learning (WBL)

### Measure N Investments

- Student participation in summer internships through the ECCCO (Exploring College Career and Community Options) program.
- Work-Based Learning Liaison

### Partnerships

- Alameda County Public Health Department
- UC-Berkeley School of Public Health
- Science Dept. at Merritt College (nursing, histotechnology, microscopy, first responder)

### Pillar Components/Activities

- Career symposium with Alameda County Dept. of Public Health
- Medical ethics debate at UCB School of Public Health
- Annual publication of *Cross-Cultural Medicine: A Collection of Student Narratives...*
- Resume dev. & mock interviews

## Student Supports

### Measure N Investments

- Pathway Assistant Principal
- Pathway Academic Counselor
- Pathway Case Manager

### Pillar Components/Activities

- Community building activities and trips for all students
- Students of concern protocol and individual student supports with referrals to other services as appropriate
- Partnership with on-campus Wellness Center
- Phased adoption of mastery-based grading with an emphasis on equity
- Data-based program analysis

# RISE

## (Recent Immigrant Support and Engagement Academy)

Aligned CTE Industry Sector: Business Management

### Rigorous Academics

### Career Technical Education

### Work-Based Learning (WBL)

### Student Supports

#### Measure N Investments

- Staff planning time to build curriculum with an emphasis on project based learning, interdisciplinary units, vertical alignment.

#### Pillar Components/Activities

- Partial adoption of mastery-based grading.
- Realignment across classes around language acquisition strategies and classroom policies
- After school tutoring and club to support students academically

#### Measure N Investments

- Funding for CTE teacher
- #### CTE Course Sequence
- Intro course: “Business Management for Socially Beneficial Economic Growth”
  - Intermediate: course “Effective Principles to Managing Socially Beneficial Economic Growth”

#### Pillar Components/Activities

- Implementing both new CTE courses
- Community and industry partner involvement with student projects in the CTE courses

#### Measure N Investments

- Site-specific Work Based Learning Liaison
- Summer Internship Program through ECCCO (*Exploring College, Career, and Community Options*)

#### Partnerships

- National Association of Black Accountants/SFSU; Laney College (ESOL Dept)

#### Pillar Components/Activities

- Mock Interviews
- ECCO Internships
- Job Fair
- ELD 4 Career Exploration Project

#### Measure N Investments

- Pathway Dedicated Counselor
- Pathway Dedicated AP
- Pathway Dedicated Case Manager
- Mam Case manager

#### Pillar Components/Activities

- Tiered student intervention system with students of concern protocol and individual student supports
- Partial adoption of mastery-based grading.
- Community building activities and trips for all students
- Teach students Mam and coordinate and provide services for our Mam speakers

# VISUAL ARTS ACADEMY MAGNET PROGRAM

## Aligned CTE Industry Sector: Visual Arts

### Rigorous Academics

#### Measure N Investments

- Staff planning time to build curriculum with an emphasis on project based learning, interdisciplinary units, vertical alignment.

#### Pillar

#### Components/Activities

- 3 year course sequence is in place to develop an artistic skill set, related to an industry-specific strand.
- All pathway 12th graders must pass the Senior Project
- Art themed units in humanities and math classes

### Career Technical Education

#### Measure N Investments

- Funding for community-oriented art projects
- Funding for guest artists and speakers
- Site-based Pathway Coach

#### CTE Course Sequence

- Introduction to Art & Design
- Intermediate Visual/Commercial Arts
- Advanced Visual/Commercial Arts
- Introduction to Art & Design
  - Intermediate Digital Media
  - Advanced Digital Media

#### Pillar Components/Activities

- Authentic projects and clients in the CTE classes (e.g. food photography for local restaurant website and social media use)

### Work-Based Learning (WBL)

#### Measure N Investments

- Site-specific Work Based Learning Liaison
  - Summer Internship Program through ECCCO (*Exploring College, Career, and Community Options*)
  - Guest Speaker Compensation

#### Partnerships

- Museum of Children's Art (MOCHA)
- Civic Design Studios
- Clorox
- Oakland Autumn Lights Festival

#### Pillar

#### Components/Activities

- Mock Interviews
- Winter Artist's Market
- Spring Art Showcase & Gallery

### Student Supports

#### Measure N Investments

- Pathway Dedicated Counselor
- Pathway Dedicated AP
- Pathway Dedicated Case Manager

#### Pillar

#### Components/Activities

- Community art engagement with our partners at Civic Design Studios.
- Internships Opportunities with Museum of Children's Art.
- Partial adoption of mastery-based grading.
- Intervention system with students of concern protocol and individual student supports