



ASPIRE Lionel Wilson College Preparatory Academy

Design for Social Change: An Engineering Pathway

Aligned CTE Industry Sector: Engineering and Architecture

Rigorous Academics

Measure N/H Investments

- 1.0 FTE College and Career Specialist
- 1.0 FTE Pathway Coordinator
- 1.0 FTE Engineering Teacher
- 1.0 FTE Project Lead the Way Teacher
- Conference and Site Visit for adult learning
- PBL and Linked Learning PD

Pillar Components/Activities

- Access to A-G approved coursework
- Pathway aligned cross-curricular exhibition projects
- Pathway aligned dual enrollment
- Exhibition project planning during common meeting time
- Exhibition project professional development
- Developed Critical Thinking and Problem Solving Rubric
- CTE standards alignment and

Career Technical Education

Measure N Investments

- PLTW program fees and teacher training
- Stipends for pathway aligned exhibition projects using General Funds
- Conference and Site Visit for adult learning

CTE Course Sequence

- 9th - BUILD Engineering and Design
- 10th - PLTW Intro to Engineering Design
- 11th - Intermediate Engineering Design
- 12th - Engineering Design Capstone

Pillar Components/Activities

- MYN Youth Leadership Council
- Student ambassadors and committees
- Professional Speaker Series
- Schoolwide Engineering Design Retreat
- Industry consultation on project design, student feedback
- Senior Design Capstone
- 9th grade BUILD design project
- Developed Critical Thinking and Problem Solving Rubric

Work-Based Learning (WBL)

Measure N Investments

- Nasa and Lawrence Hall of Science experiences
- Conference and Site Visit for adult learning

Partnerships

- Youth Uprising
- Planting Justice
- Mycelium Youth Network
- BUILD
- NASA
- Lawrence Hall of Science
- DCAC
- OneGoal
- Project Lead the Way
- Peralta CTE

Pillar Components/Activities

- Senior career portfolio (resume, cover letter, research, mock interview ,etc.)
- Professional Speaker Series
- Job ready training with Youth Uprising
- Internships with Youth Uprising and Genesys Works
- Career Panels
- Aligned to Linked Learning Gold Standards

Student Supports

Measure N Investments

- 1.0 FTE College and Career Specialist
- 1.0 FTE Pathway Coordinator

Partnerships

- Youth Uprising
- Warriors Foundation
- Planting Justice
- YouthTruth
- ArtEsteem
- DCAC
- BUILD

Pillar Components/Activities

- Pathway family orientation for 9th grade
- Differentiated Academic/Career Counseling and Grad pathway planning
- Credit Recovery Blocks
- Break School
- SEL development in advisory
- MHC and advisory push-in support
- COST and Tiered academic supports (small group, CICO, MHC, etc.)
- Comprehensive and full inclusion SPED team including IAs, MHC, and behavior specialist