



John Still TK-8



MESA®

What is MESA?

- **M**athematics, **E**ngineering, **S**cience, **A**chievement
- Partnership with **UC Davis** and **Sac State**
- **Elective** Class or After School Club*
- **Teamwork & collaboration, project-based, communication, trial & error, challenges, competitions, and engagement!**



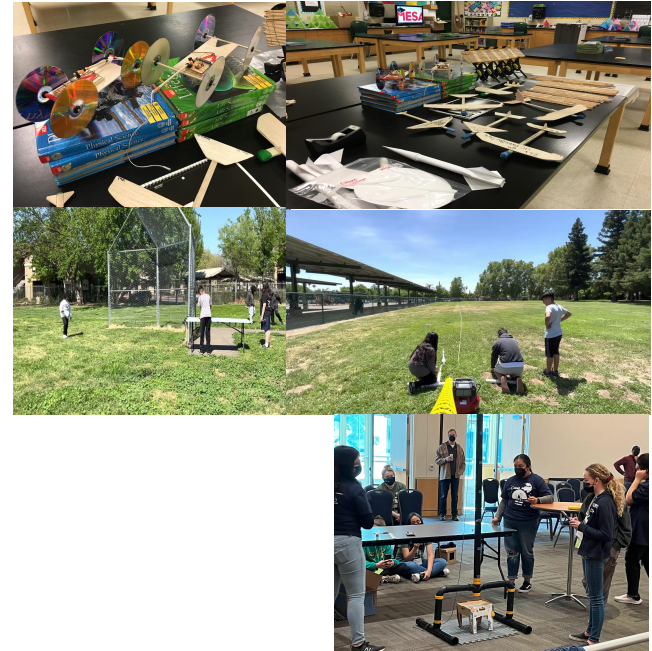
**MESA is a 7-8 elective class at John Still*

Projects

➤ 2025-26 Elective Class

- Zipline
- Mousetrap Cars
- Solar Cars
- Rockets
- [Competition Projects](#) (visit link for MESA rules)
 - Cargo Glider [8th only]
 - Moon Base
 - Crime Scene Investigation/DNA
 - Coding Solutions
 - MESA Machine
 - Math Escape Challenge
 - AI for Social Good
 - Prepared Speech
 - Nat'l Engineering Design Comp.

Click on the picture for a full size image or video



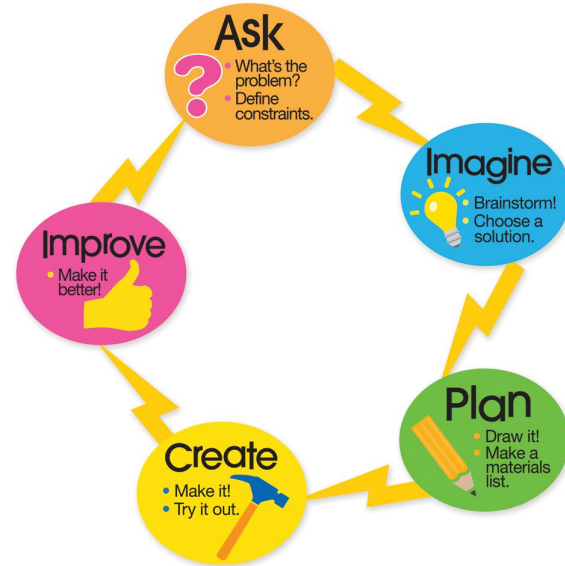
Projects are updated every few years

Engineering Notebook

➤ Engineering Design Process

- **Problem:** Goal, limits, and challenge of the project
- **Explore:** Research what others have done, real-world example
- **Design:** Ideas, sketches, prototype
- **Create:** Build it!
- **Test:** try it out, collect data, use math
- **Improvements:** Make it better

➤ The notebook is the most important part of each project.



Notebooks are written with every MESA project

Teamwork

- **We work together!**
 - Projects
 - Notebooks
 - Activities
- **Projects in teams of 2 or 3**
 - Responsibility
 - Communication
 - Respect
 - Trust
 - Commitment
 - Support each other
- **Make new friends**
- **Team work makes the dream work!**



Collaboration and communication are key in MESA

Events

➤ Field Trips

- UC Davis and Sac State
- STEM based field trips
 - 2026 Solar Car Races

➤ Weekend Competitions*

- Preliminary MESA Day
 - Sac area schools, held in March
 - Students may advance to Regionals
- Regional MESA Day
 - Northern California schools, held in April at N. CA University



****Competitions are required in the elective class and after school club.***

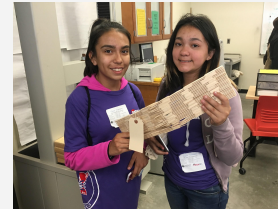
Ready to Join?

➤ 7th-8th Grade Elective Class

- Available for 2026-2027
- [Complete this application](#)
- App closes June 10th at 3pm
[updated]

➤ 7th-8th Grade After School Club

- Not available for 2026-2027



MESA is only an elective class for 2026-2027.

Q & A

- MESA is free
- We have MESA swag!
- UC Davis MESA students visit and help during the year
- Field trips...? TBD
 - UC Davis
 - Sac State
 - Aerospace Museum of Sac
 - Exploratorium
 - Chabot Science Center
- See Mr. Marín in Room 204
- More questions?
 - MESA Statewide website [<https://mesa.ucop.edu/>]
 - UC Davis MESA website [<https://mesaschools.ucdavis.edu/>]



MESA is a great way to explore STEM and meet new people.

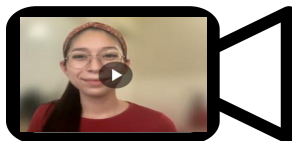
Student Experience

Click on a camera for a short message.



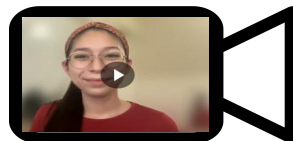
Daniela & Magda, Class of 2016

Sac State, 2020–Liberal Studies
UC Davis, 2020–Chemistry



Karla F, Class of 2017

Sac State, 2024–Nursing



Karla F, Clase de 2017

Sac State, 2024–Nursing



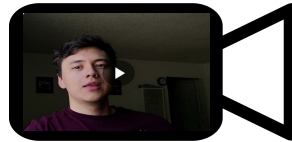
Leslie G, Class of 2017

Sac State, 2023–Electrical Engr



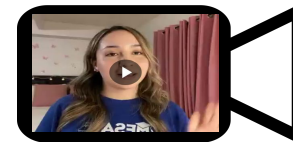
Ximena & Simmiran, Class of 2018

Chico State, 2022–Animal Sciences
UC Merced, 2022–Pre Medicine, 2025–Nursing School



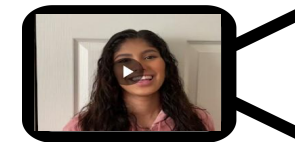
Bryan B, Class of 2019

Sac State, 2023–Computer Science

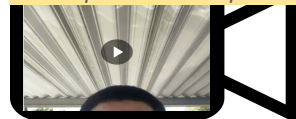


Jamie P, Class of 2020

Beauty School, 2022



Karely R, Class of 2020



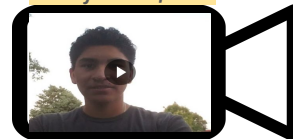
Omar H, Class of 2023

Sac City/Sac State, 2027–Biology



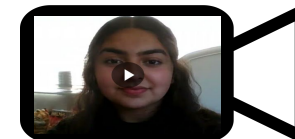
Martín P, Class of 2023

Sac State, 2027



Victor G, Class of 2024

ARC, 2026–Diesel Mechanic



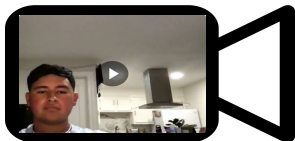
Bianca R, Class of 2024

Sac State, 2028–Biology

Many MESA students are pursuing or have graduated college with STEM degrees.

Student Experience

Click on a camera for a short message



Cande A, **Class of 2024**
Cal Poly, SLO, 2028-Engineering



A, Kenny, Angel, **Class of 2027**



Maily & Genesis, **Class of 2027**



Nalee & Bella, *Xyoo kawm ntawv 2030*



Lychia V, **Class of 2030**



Shyla V, **Class of 2030**



Madelynn, Yunxi, and Zuhra,
Class of 2030 & 2031



Chris C, **Class of 2031**



Praval & Sooraj, **Class of 2031**



Abdul & Joshua, **Class of 2031**



Jisalylna & Kara, **Class of 2031**



Silas & Jimmy, **Class of 2031**

Many MESA students are pursuing or have graduated college with STEM degrees.