

MESA Schools Program (MSP)

The MSP assists students at middle and senior high schools) so they excel in math and science and become competitively eligible for academically rigorous colleges and universities.

The MSP partners with teachers, administrators, school district officials, schools and industry representatives to provide quality academic enrichment. Student selection and services are implemented through a collaboration involving teachers at participating schools and personnel from local MESA centers.

The MSP offers:

•Individual Academic Plans.

The plans help monitor individual student progress toward college..

•**Study skills training.** Students learn the most effective study techniques for academic achievement.

•**MESA Day Academies.** Hands-on math and science competitions give students a chance to meet like-minded students and vie for awards. Students follow MESA-developed curriculum that reinforce California state math and science content standards. Top winners of local competitions advance to regional and, in some instances, national contests.

One of the country's most innovative and successful programs, MESA works with thousands of educationally disadvantaged students so they excel in math and science and graduate with math-based degrees.

CSU Los Angeles Center Middle/Junior High Schools

Accelerated

Belvedere Middle

Burbank Middle

El Sereno Middle*

LA Academy Middle

Nightingale Middle

Nimitz Middle

Roosevelt High

Wilson High*



For more information contact:

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El Sereno Middle School

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Home of the Jaguars

El Sereno Middle School An International Baccalaureate School



**Mathematics, Engineering,
Science, Achievement**

M.E.S.A.

•Career and college exploration.

Guest speakers and field trips present various college and career options.

•Incentive awards. Outstanding student achievement and leadership is recognized.

•Parent leadership development. Parents learn how to become effective advocates for their children's academic success.

•MESA periods. These classes held allow Advisors to work with students on academics and MESA activities. Some schools offer MESA periods while others schedule MESA activities after school.

Learn what engineers do

Engineering is the process of **envisioning, inventing, creating and building** the world around us. Engineers use the **natural** chemicals and materials found in the world, as well as the **artificial** chemicals and materials created in the laboratory, to design and build the things we need every day.



For example, engineers use:

- Brick, steel and glass to design and build buildings
- Earth, rock, cement and asphalt to design and build roads and roadway systems
- Wood, aluminum and new composite materials to design and build cars, airplanes and jets
- Earth-moving plans to design and build tunnels and dams
- Engineering technology to solve and prevent medical problems by creating artificial limbs, artificial valves for the heart, various types of sensors for the blind, and safety equipment and clothing for firefighters
- The principles of chemistry to solve problems involving the production or use of chemicals and bio chemicals
- And, knowledge of the properties of light to build lasers and the physiology of the body to design products that are comfortable and safe to use.



In fact, before we can buy any product from a store – such as **laundry detergent, computers, vacuum cleaners and tennis racquets** – engineers must bring all the right materials together and assemble them in just the right way.

How do engineers do all this?

By using **math and science** to solve problems, engineers create new things and improve old things. As a result, **engineers make our lives better.**



El Sereno Students Earn 24 Medals and Ribbons in MESA Pre-Lims Competitions.