

## Rosemont High School

<http://rosemont.scusd.edu/>

916-228-5844

### Mission

Rosemont High Schools Energy, Science and Engineering Academy (ESEA) students will thrive in a challenging, yet supportive and integrated academic program while exploring and solving real world problems through industry sponsored project focused experiences.

### Description

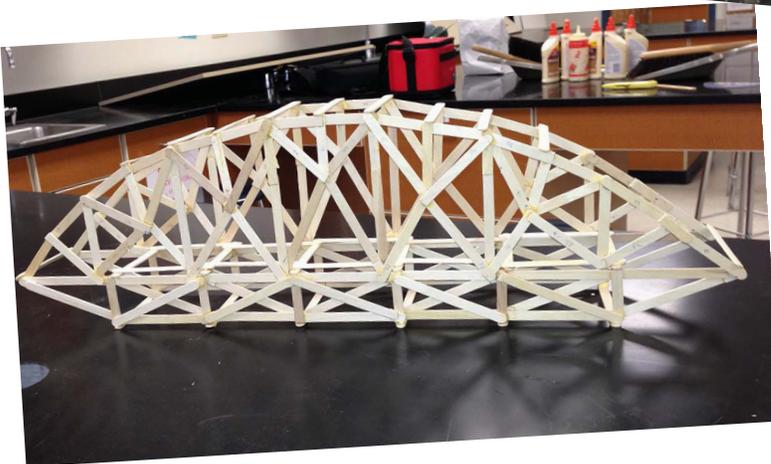
ESEA students will apply skills and knowledge gained from integrating academic content and work-based learning opportunities to explore answers to a variety of important questions and challenges being faced in the 21st century. Such questions include: "How are we going to accommodate the world's energy needs?" and "How will my work affect my community, region, and the world?"



Increasing  
*creative confidence*  
through  
**Linked  
Learning**



WHAT I LIKE  
ABOUT  
**pathway**



**"I can't wait to be an engineer!"**

—Anna, 9<sup>th</sup> grade

**"The projects and discussions**

make 5<sup>th</sup> period (Energy Engineering)

**my favorite** class of the day."

—John, 12<sup>th</sup> grade

# ENERGY, SCIENCE, AND ENGINEERING ACADEMY-ESEA

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SUBJECT	HIGH SCHOOL COURSES			12 <sup>th</sup>	RELATED OCCUPATIONS	
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>		High School Diploma	Apprentice technician:
English	ESEA Advanced English 9	ESEA Advanced English 10	English 11*	English 12*	Utilities	
Math	Integrated Math I* or Integrated Math II*	Algebra II* or Math II*	Algebra II* or Pre-Calculus*	Pre-Calculus* or AP Calculus*	HVAC	Solar Installation Water Treatment and Distribution
Science	"Clean Energyneering"	Chemistry	Advanced Biology	AP Physics		<b>2 Years College (AA) or Certificate</b> Industrial Engineering Technician Telecom Installer HVAC Mechanic Wind Turbine Technician
History and Social Science	ESEA Geography and Contemporary Global Issues	World History*	U.S. History*	Government & Economics*		
Foreign Language, Art and PE	2 years Foreign Language AND 1 year Art Elective AND 2 years of P.E. required					
Career Technical Courses	"Clean Energyneering"	Principles of Engineering	Introduction to Engineering & Energy	Advanced Engineering & Energy		<b>4 Years College or more</b> More than 30 specific areas of specialization, ranging from Aerospace & Agricultural Engineering to Structural & Systems Engineering
Work Based Learning Opportunities	Focus: Wind Energy Industry Visits Science Fair	Focus: Hydro Energy Industry Visits	Focus: Solar Energy Science Fair	Focus: Electric Transportation		

\* Non-Cohorted ESEA Graduation Requirement

For more information on SCUSD's Linked Learning Pathways, visit [www.scusd.edu/linkedlearning](http://www.scusd.edu/linkedlearning)

## PARTNERS

Sacramento Municipal Utilities District - SMUD  
California State University, Sacramento - CSUS



The California Center for College and Career  
Transforming today's education  
for tomorrow's economy

the James Irvine foundation



linkedlearningalliance  
PATHWAYS TO COLLEGE AND CAREER SUCCESS

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