

Preparing the Next  
Generation of Engineers

Programming

Hands-on Research

# Middle School - Engineering! Automated Robotics & Design and Modeling Classes

Ocean Grove Charter School is offering two middle school courses from Project Lead the Way at Santa Cruz Learning Center. In *Automated Robotics* students investigate mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms. In *Design and Modeling*, students will learn the design process used by real engineers to take a concept from paper to prototype, using the Autodesk 123D Modeling software and real materials to build their designs hands-on. This course is sponsored by Ocean Grove and offered for their students only.

Automated Robotics  
Mondays 1:30 – 3:30

Design & Modeling  
Tuesdays 12:30 – 2:30

Spring Semester Starts: Jan 9<sup>th</sup>  
Ends: May 23<sup>rd</sup> – \$280 / semester

Talk to your ES about paying via  
PO and Register Online at:

[santacruzlearningcenter.com](http://santacruzlearningcenter.com)

