

<http://www.lamsprogram.org/>



# CAJON VALLEY MIDDLE SCHOOL engineering CLUB 2006



SAN DIEGO STATE  
UNIVERSITY



Sempra Energy



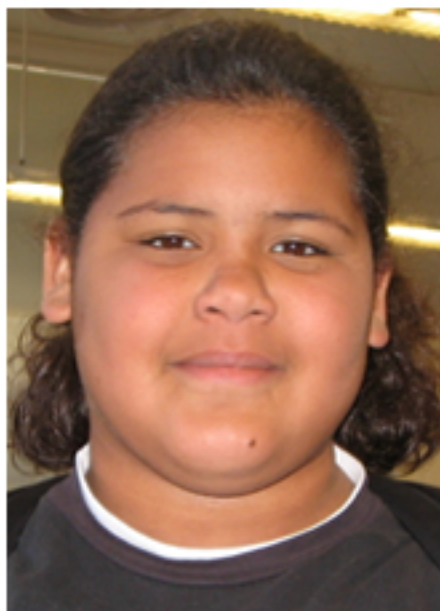


# FUTURE engineers





Francisco Avina  
Joshua Brew



Rebekah Cornog  
Andrew Day



Roberto Garcia  
Stevy Gomez



Antonio Guadarvama  
Crystal Klinkler



Mario Luna  
Victor Salvador

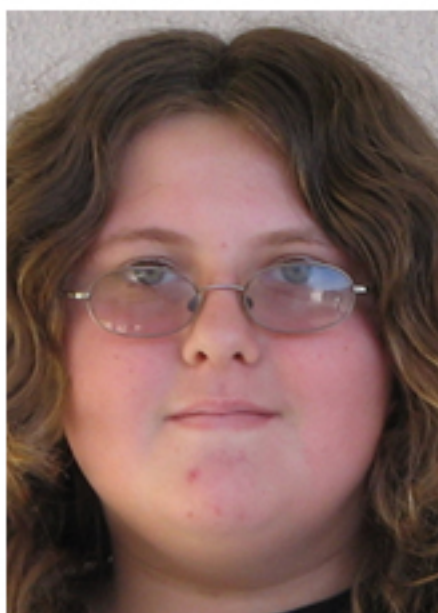


Adrianne Sanchez  
Cecelia Shamo





Eric Steenbergen  
Jesus Suarez



Lauren Tafoya  
Chelsea Welborn



Engineers today and tomorrow: From left to right, clockwise: Eric Steenbergen, Adrienne Sanchez, Francisco Avina, Cecelia Shamo, Crystal Klinkler, Chelsea Welborn, Joshua Brew, Andrew Day, Lauren Tafoya, Stevan Guevara, Mario Luna, Rebekah Comog



# THE projects





# WHAT IS AN engineer?

We kicked off the year by introducing many different types of engineering: Aerospace, Material, Chemical, Electrical, Mechanical, Civil, Environmental, Ocean, Bioengineering, and Computer. We investigated these types of engineering through tight projects with nifty tools and parts.



## THE Projects

1. Furby Forensics
2. Reverse Engineering
3. Spider Engineering
4. Advance Catapults
5. Creative Circuits
6. Mechanical Mayhem
7. Radiation & Life
8. Egg Drop Capsules
9. Magnetism
10. Crystal Rock Candy
11. Popsicle Towers
12. How Airplanes Fly
13. Geodesic Dome
14. Engineering Nature: DNA
15. VEX Robots





# FURBY forensics



Top: Reverse Engineering. Why are we actually putting that Furby back together?

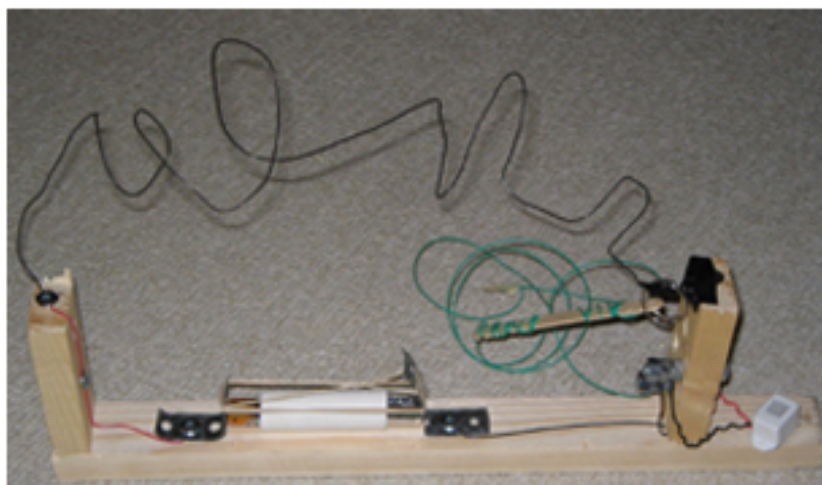
Left: Getting ready to dissect the furball and understand the electronics behind it.



# ADVANCE Catalapults







# CREATIVE CIRCUITS & mechanical mayhem





# EGG drop





# CRYSTAL rock candy



# towers







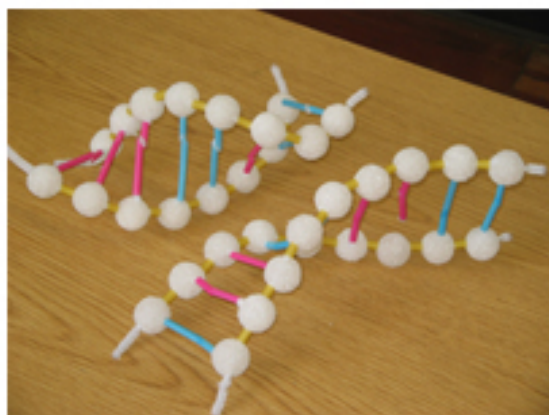
# CRUSHING CANS, SNOW FOAM, Geodesic dome and more towers







# ROLL, YAW, Pitch



dna





# VEX robots







We are College Students from San Diego State University and the University of California, San Diego working together to make a difference. Our group is diverse in culture, experiences, and education, which governs the way we face challenges and make life decisions..

**WE ARE HERE**  
**to help you**