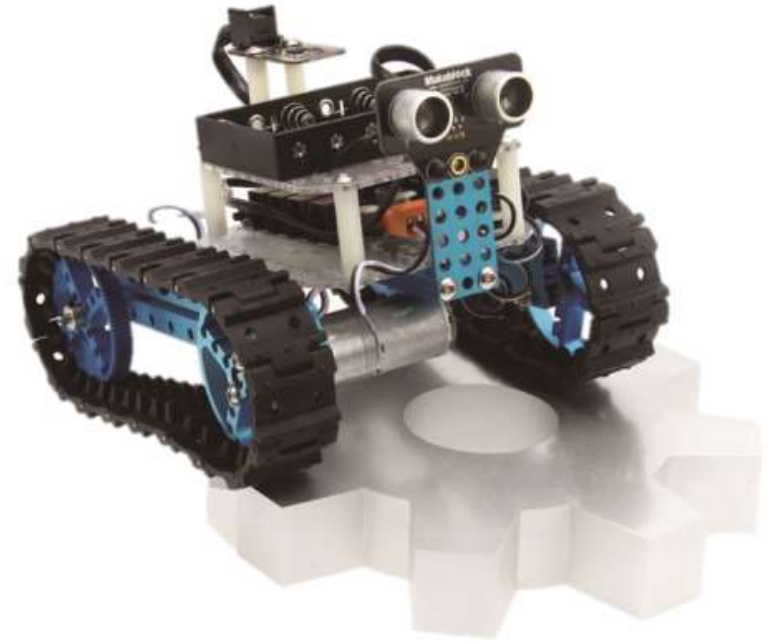


LUSD 2017



STEAM

Festival



May 19 & 20

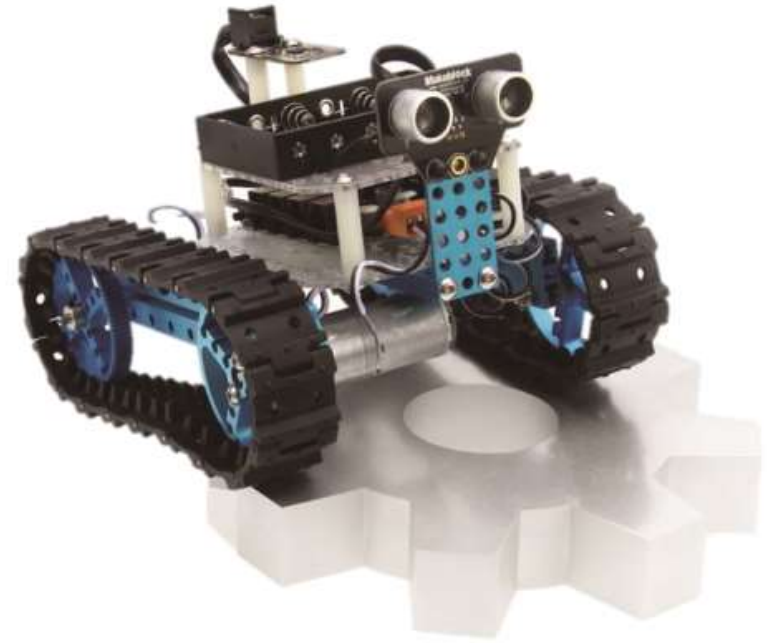
Friday Evening 5 - 8 PM

Saturday Morning 9 – 12 Noon

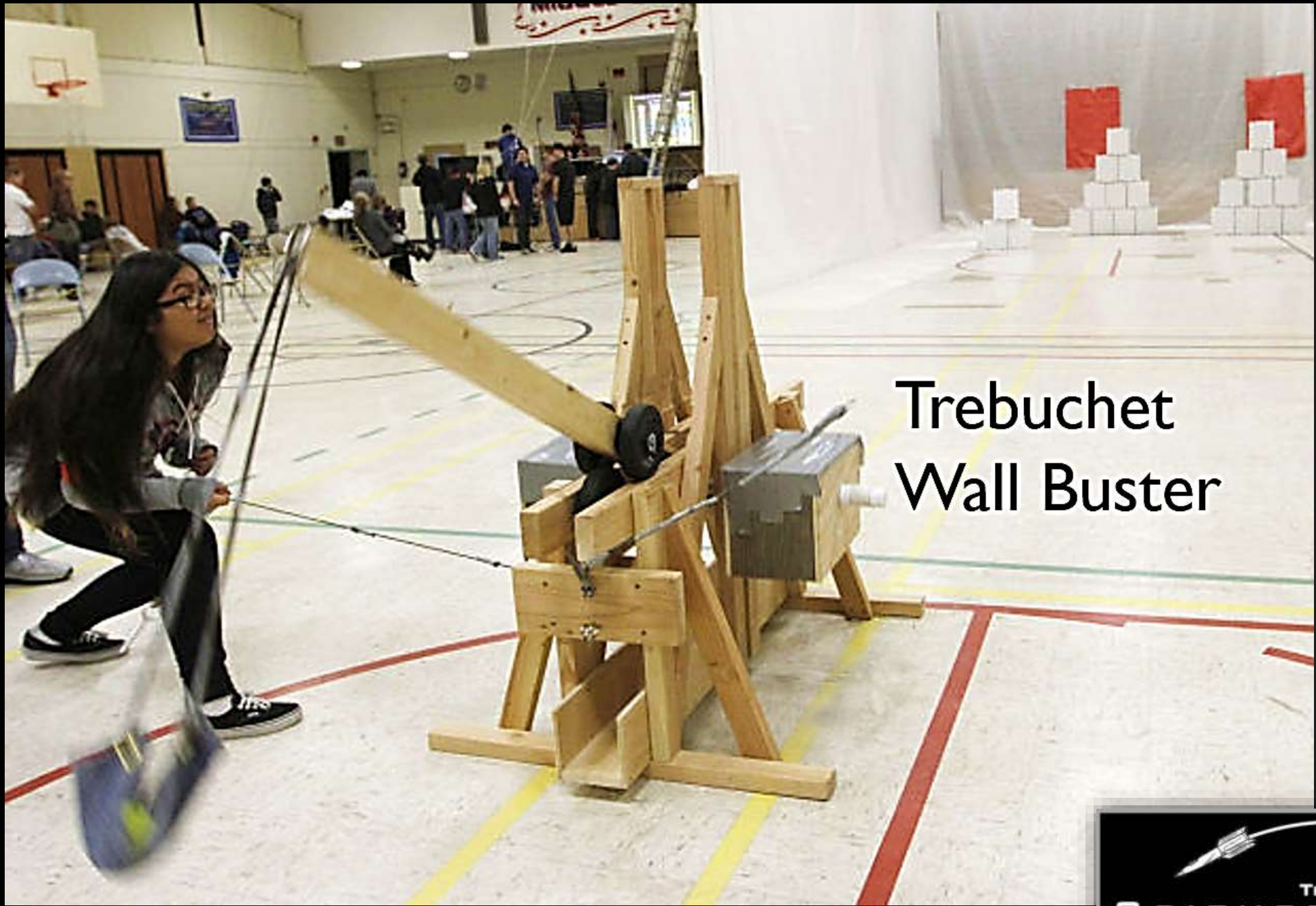
Lompoc High School

LUSD 2017

 **STEAM**
Festival



Photographs from past Festivals
& Games



Trebuchet Wall Buster



LUSD 2015
STEAM
Science
Technology
Engineering
Art
Math
Festival



Lompoc
High
School



LUSD 2015

STEAM
Science
Technology
Engineering
Art
Math



Festival

Lompoc
High
School



LUSD 2015

STEAM
Science
Technology
Engineering
Art
Math



Festival

Lompoc
High
School



LUSD 2015

STEAM Festival

Science
Technology
Engineering
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Lompoc High School



LUSD 2015

STEAM Festival

Science
Technology
Engineering
Art
Math



Lompoc High School



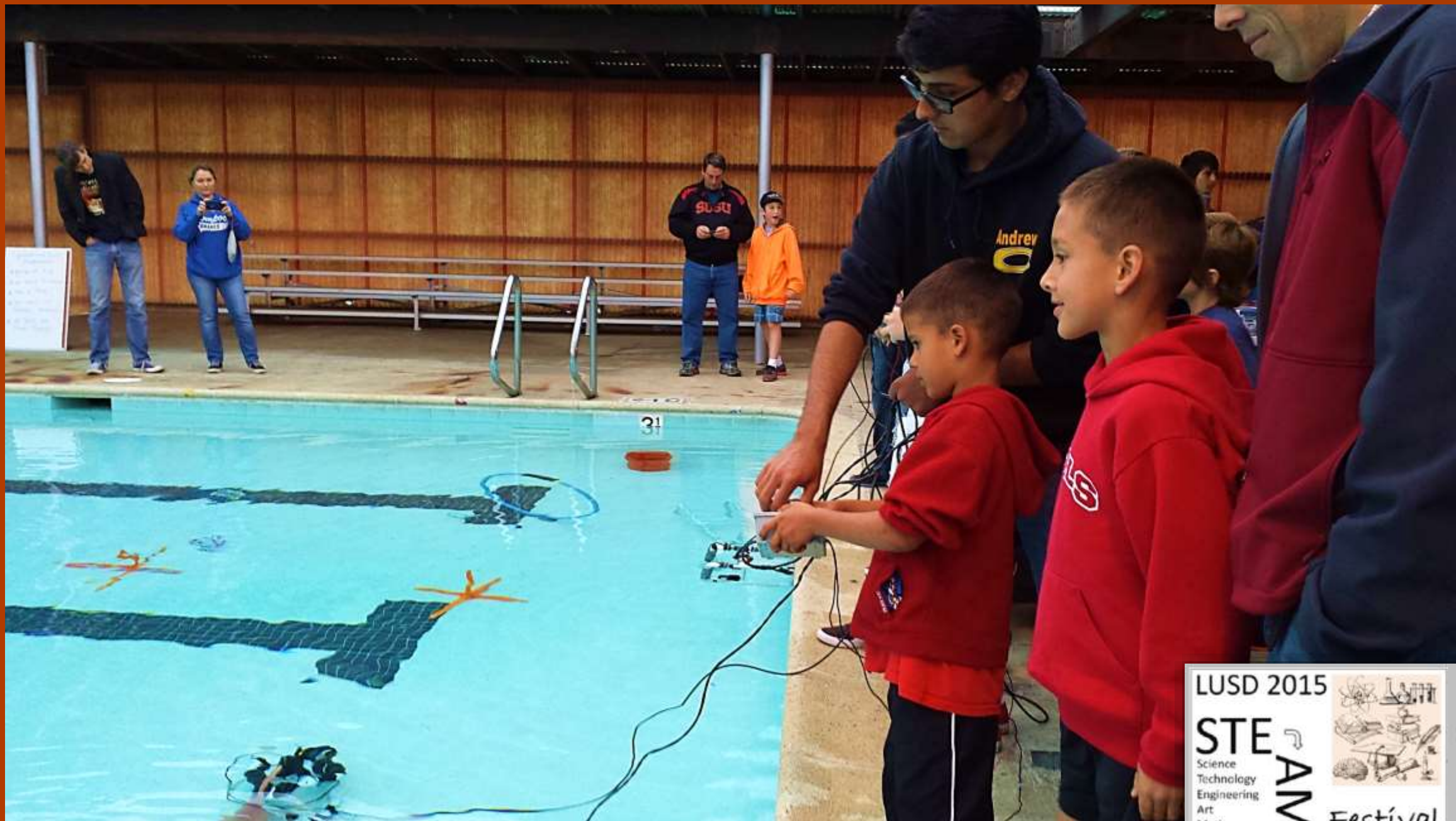
LUSD 2015

STEAM Festival

Science
Technology
Engineering
Art
Math



Lompoc High School



LUSD 2015

STEAM Festival

Science
Technology
Engineering
Art
Math



Lompoc High School



LUSD 2016
**STEAM**
Festival

**Cabrillo
High
School**



LUSD 2016
 **STEAM**
Festival

**Cabrillo
High
School**



LUSD 2016
 **STEAM**
Festival

**Cabrillo
High
School**



LUSD 2016
 **STEAM**
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**Cabrillo
High
School**



LUSD 2016
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LUSD 2016



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LUSD 2016
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LUSD 2016



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High
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LUSD 2016



STEAM

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Cabrillo High School



LUSD 2016



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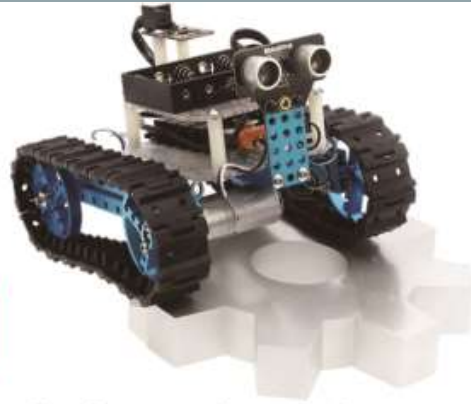


LUSD 2016
 **STEAM**
Festival

**Cabrillo
High
School**

LUSD 2017

STEAM Festival



Host a booth for a two day festival of engaging Science, Technology, Engineering, Art and Math (STEAM)

What: Sign-up to host a booth with a hands-on STEAM activity targeting elementary, middle or high school students, or host a display booth that promotes STEAM + your club, classroom, school, company or business.

When: Friday, May 19th, 5-8 PM, and Saturday, May 20th, 9-12 noon

Choose one or both days to host.



Where: Lompoc High School cafeteria and campus

How: Register online at www.CCSTEMExpo.org, click on link for **LUSD 2017 STEAM Festival** then select "Register."

Questions: Contact Paul Coski at coski.paul@lUSD.org



Concessions will be available on site.

Please register by April 29 . . . Thank You!

Some Former Booth Hosts:

Cal Poly, Mechanical Engineering
UCSB Marine Science Institute
Ventura Educational Systems
Lompoc Family YMCA
4H Youth Development Program SB
CHS Aquarium

LHS STaRS Academy
SpaceX
United Launch Alliance
Imerys Lompoc Plant
Tetra Tech
NatureTrack
Orcutt Academy Spartatroniks

Raytheon Vision Systems
Allen Hancock College
La Purisma School
Vandenberg Middle School
Miguelito STEM Club
La Honda STEAM Academy
Los Berros Visual & Performing Arts Academy



Lompoc Unified School District

LUSD STEAM Team™

FORMER BOOTH HOSTS

Colleges & Universities:

Cal Poly, Mechanical Engineering
UCSB Marine Science Institute
Allen Hancock College

Businesses:

Sky Dive Santa Barbara
The Surf Connection
Fast Lap RC Hobbies

Companies:

SpaceX
United Launch Alliance
Raytheon Vision Systems
Imerys Lompoc Plant
Tetra Tech

Educational Outreach:

Ventura Educational Systems
NatureTrack

Clubs:

4H Youth Development Program Santa Barbara
Lompoc Family YMCA
Lompoc Valley 4H
Lompoc Fire Department

Schools, Departments & Individual Classrooms:

Orcutt Academy Spartatroniks
Miguelito STEM Club
La Honda Elementary
Los Berros Visual & Performing Arts Academy
La Purisima Concepción Catholic School
Hapgood Elementary
VMS Science
LHS STaRS Academy
LHS Visual Arts
LHS Health & Wellness Careers Academy
CHS Aquarium
CHS Physics & Life Science
CHS Graphic Arts & CAD/CAM
CHS ROVs

<p><u>Group 1:</u> Computer Science</p>	<ul style="list-style-type: none"> o Computer Coding (Booth 15) o iOS App Development (Booth 22)
<p><u>Group 2:</u> Environmental Science</p>	<ul style="list-style-type: none"> o Milkweed and Bee Feed Seed Packets (Booth 10) o Water Shed Model (Booth 9)
<p><u>Group 3:</u> Technology</p>	<ul style="list-style-type: none"> o Etching, Laser Cutter and 3D Printers Demos (Booth 28) o Soldering Practice & Robot Cars (Booth 35) o Technical Illustrations (Booth 12) o Maneuver Underwater ROV Through a Course (Booth 40) o Demo of Capabilities of Spartatroniks Robot (Booth 39) o Space X- Estes Rocket Launches (Booth 41) o Run RC cars Through Course and Fly Drones (Booth 45)
<p><u>Group 4:</u> Life Science</p>	<ul style="list-style-type: none"> o Diatomaceous Earth (Booth 2) o Interactive Marine Aquaria- with UCSB (Booth 31) o Marine Life & Touch Tanks- with Cabrillo High (Booth 27) o Microscope Demonstrations (Booth 2)

Former Booth Activities Grouped by Topic

Former Booth Activities Continued

<u>Group 5:</u> Physical Science	<ul style="list-style-type: none">o Trebuchet (Booth 43)o Infrared Camera Demonstration (Booth 21)o Making Oobleck (Booth 33)o Cloud in a Bottle (Booth 37)o Air Rockets (Booth 42)o Bottle Rockets (Booth 44)o Earth/ Moon Rotation and Revolution (Booth 13)o Display of Sky Dive Santa Barbara Videos & Parachute Target Contest (Booth 30)o Bernoulli's Principle (Booths 11 & 29)o Making Slime (Booth 32)o Float or Sink (Booth 18)
<u>Group 6:</u> Art	<ul style="list-style-type: none">o Art Activities- Los Berros (Booth 26)

Former Booth Activities Final

<u>Group 7:</u> Engineering	<ul style="list-style-type: none">o Water Filters (Booth 3)o Magic Nuudles (Booth 4)o Projector w/ Pictures and Engineering Activities (Booth 6)o LEGO Robots, iPad apps, Old Computer Reverse Engineering and More! (Booth 14)o Engineering & Manufacturing Robotics (Booth 14)o STEM Hands-On with Cabrillo High (Booth25)o Engineering Design Process-with Cal Poly (Booth 19)o STEM Hands-On with Allen Hancock (Booth 24)
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LUSD 2016



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