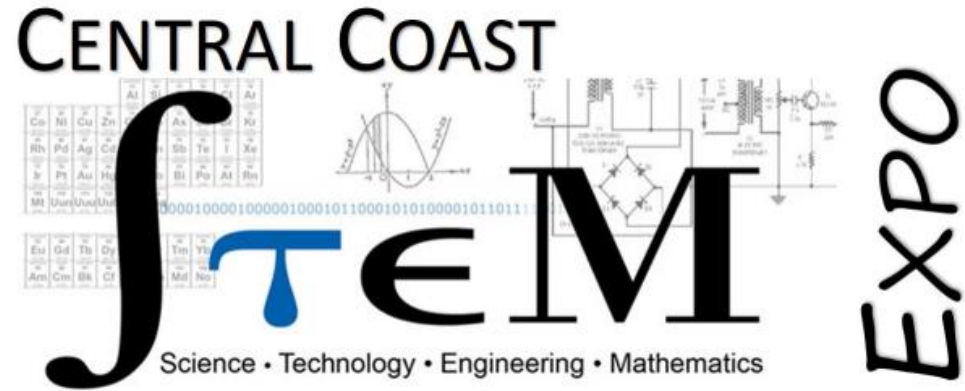


# Invitation to 32nd Annual 2017



May 19 & 20  
Friday Evening 5 - 8 PM  
Saturday Morning 8 – 12 Noon  
Lompoc High School

**LUSD 2017**

The logo for the STEAM festival, featuring five colorful hexagons arranged in a cluster. Each hexagon contains a white icon: a red one with a brain, a blue one with a rocket, a green one with a lightbulb, a yellow one with a gear, and a purple one with a gear.

**STEAM  
Festival**



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See Registration information: [www.CCSTEMExpo.org](http://www.CCSTEMExpo.org)

Concessions available on site

Central Coast STEM Expo is sponsored by



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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](http://www.CCSTEMExpo.org), click on link for  
**LUSD 2017 STEAM Festival** then select "Register."

**Questions:** Contact Paul Coski at [coski.paul@lUSD.org](mailto: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™



LUSD 2015

**STEAM**  
Science  
Technology  
Engineering  
Art  
Math



**Festival**

North "O" Street

Baseball field

32

Water Balloon Cannon

33

Trebuchets

34

SpaceX Model Rockets

35

Paper Air Rockets

36

Action Figure Zip Line Races

37

CHS ROVs in Pool

Huyck Stadium

41

STEM Festival

CAFETERIA

INFO TABLE

42

Surf Connection Skate board wheels & Wetsuit dev.

41

Egg Drop

39

Magic Mud; Oobleck

43

40

Rubber band Helicopters

38

Petting Zoo

Elephant Toothpaste

GYM

STEM Expo Science Fair

BOYS LOCKER ROOM

G 1

GYM STAGE

G 2

G 3

G 4

G 5

G 6

G 7

G 8

G 9

G 10

G 11

G 12

G 13

G 14

G 15

G 16

G 17

G 18

G 19

G 20

G 21

G 22

G 23

G 24

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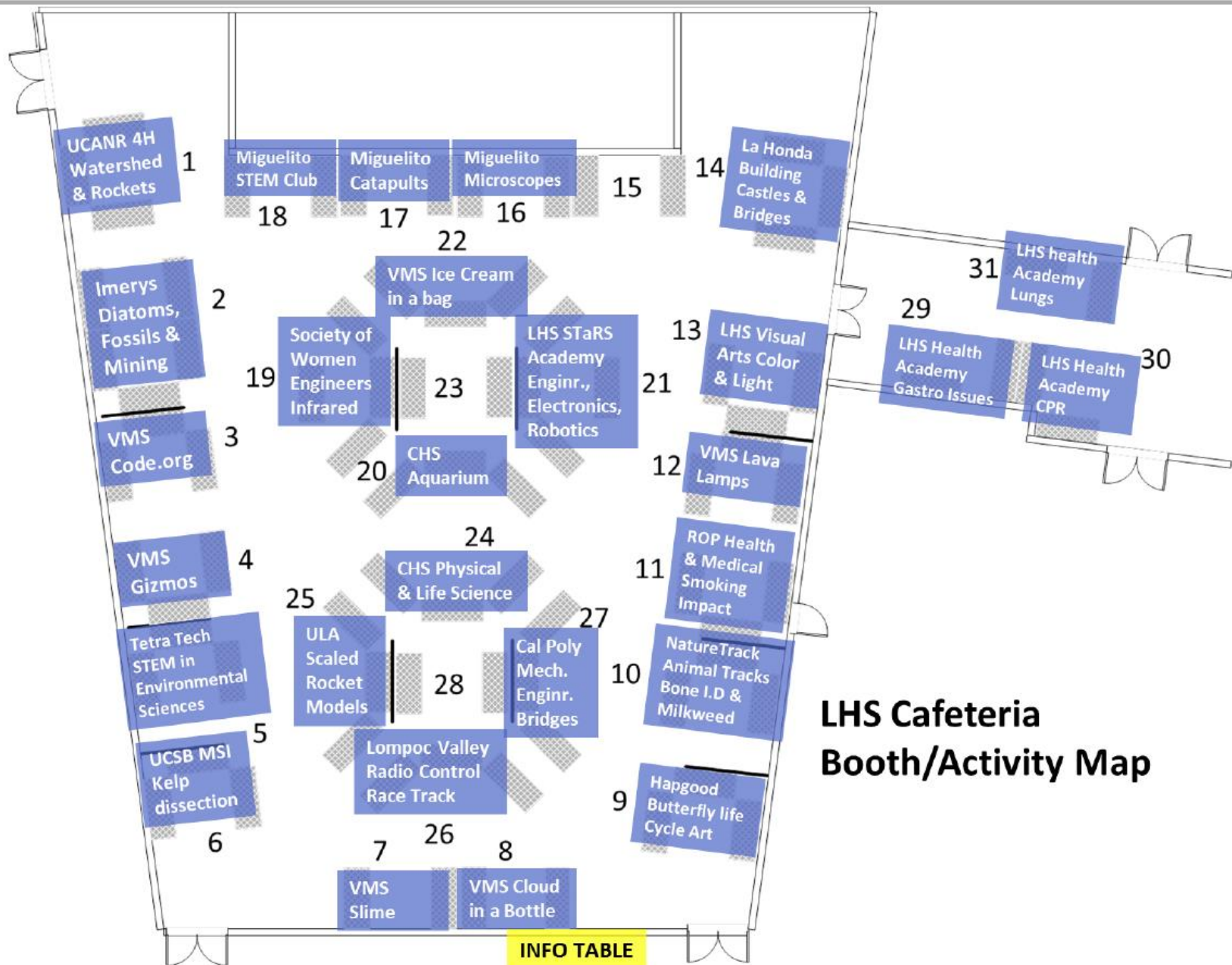
G 49

G 50

NORTH

Lompoc High School Campus Map

College Avenue



**LHS Cafeteria  
Booth/Activity Map**

# 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

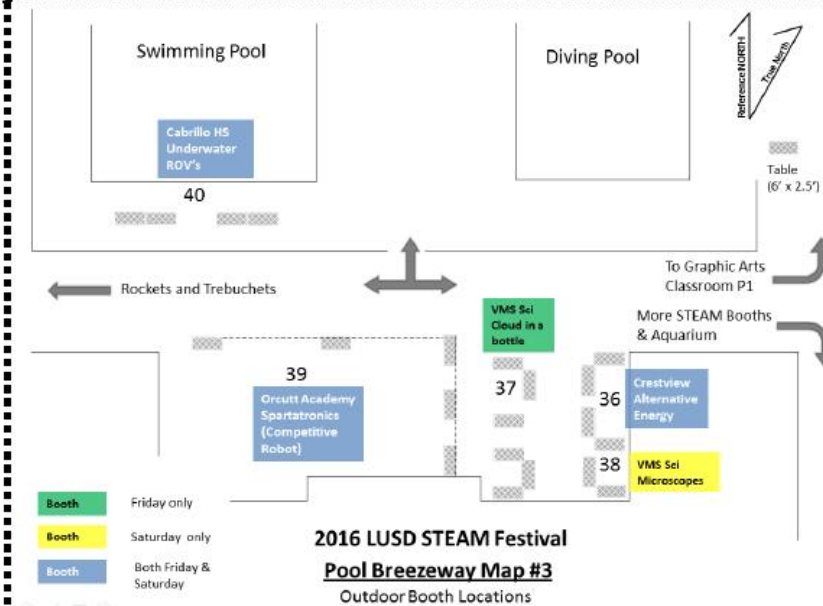
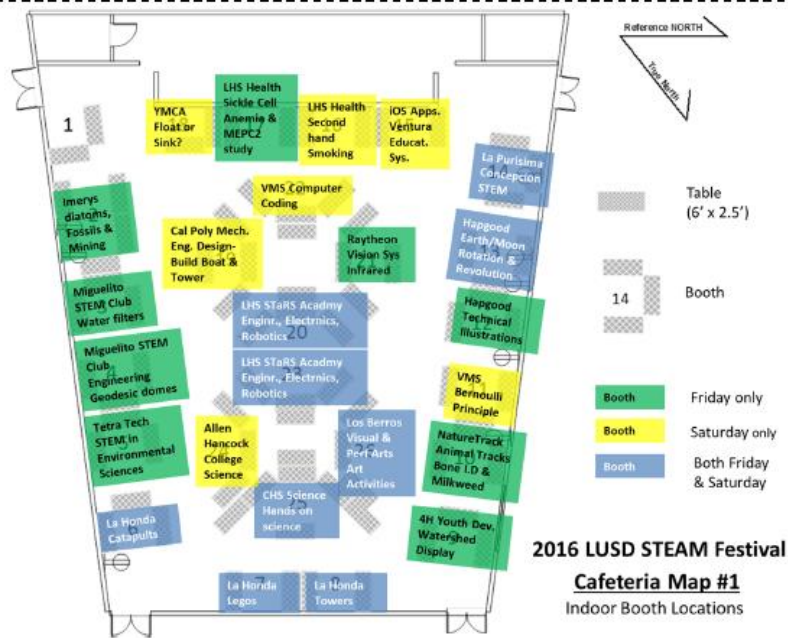
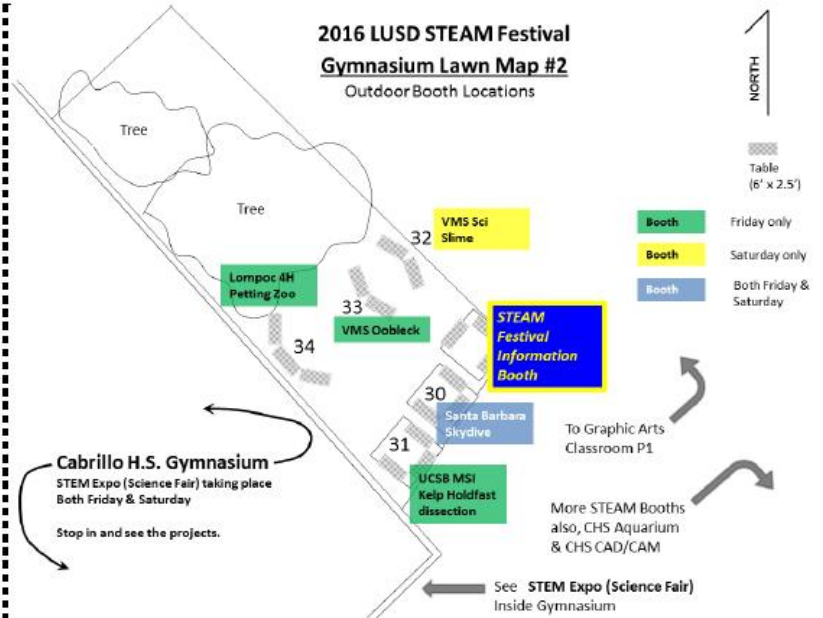
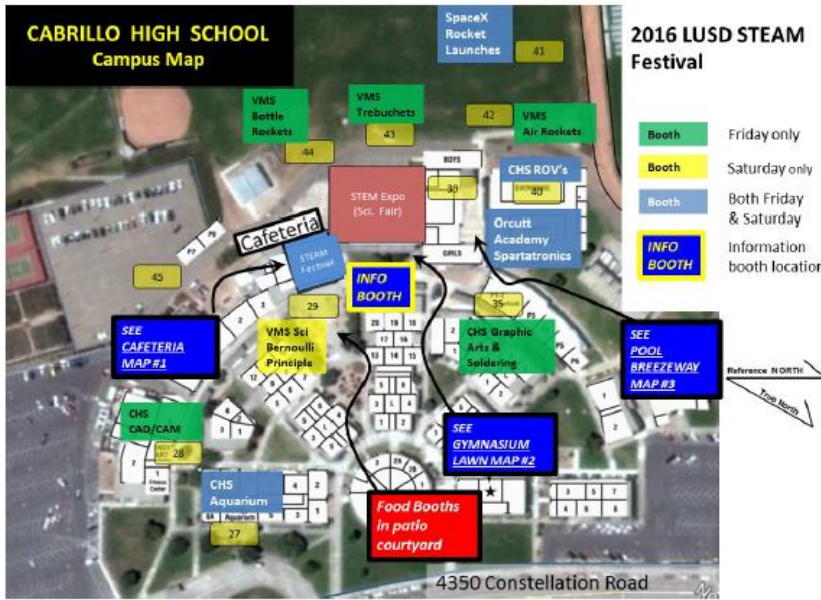
## **Schools, Departments & Individual Classrooms:**

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



# LUSD 2016 STEAM Festival

Science  
Technology  
Engineering  
Art  
Math



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

**Group 5:**  
**Physical  
Science**

- 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)

**Group 6:**  
**Art**

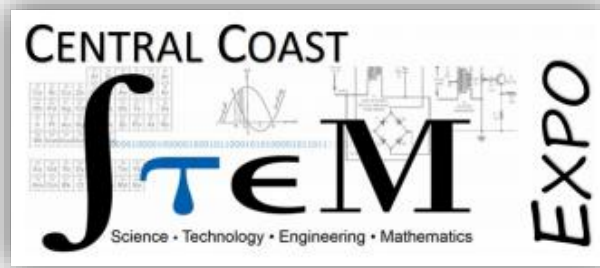
- o Art Activities- Los Berros (Booth 26)



**Group 7:**  
**Engineering**

- 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)

# Participating Schools for the Last 2 Years



Buena Vista

Clarence Ruth

Crestview

Fillmore

Hapgood

La Canada

La Honda

Los Berros

Miguelito

Lompoc Valley MS

Vandenberg MS

Cabrillo HS

Lompoc HS

Maple HS

Mission Valley



Buena Vista

Clarence Ruth

Crestview

Fillmore

Hapgood

La Canada

La Honda

Los Berros

Miguelito

Lompoc Valley MS

Vandenberg MS

Cabrillo HS

Lompoc HS

Maple HS

Mission Valley

PURPOSE OF THIS PITCH IS TO ENCOURAGE YOUR SCHOOL TO BE REPRESENTED BY HOSTING A BOOTH..... WHO CAN HOST?

- Individual and Teacher teams
- Student teams (of approximately 2 to 6)
- Clubs
- Local businesses (e.g., Surf Connection, Hobby Shops, etc.).
- Companies (e.g., Raytheon, SpaceX, etc.)
- Colleges and Universities (e.g. UCSB, Cal Poly, AHC)
- Any group or entity that exercises some component of STEAM



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