



Presented By  
**illumina**

# EXPO DAY 2016

You can also view map online at [www.lovestemsd.org](http://www.lovestemsd.org)



## STAGE SCHEDULE

- A** ILLUMINA STAGE
- 10:30 AM Music Notes Math Concert by Music Notes
  - 10:45 AM Bright Idea Society Presentation
  - 11:15AM Don't Try This at Home! by Reuben H. Fleet Science Center
  - 12:15 PM Ms. Smarty-Plants™ Grows Earth Heroes! by The Water Conservation Garden
  - 1:00 PM Hot Topics About Fusion! by General Atomics
  - 1:45 PM Music Notes Math Concert by Music Notes
  - 2:00 PM Ecovivarium
  - 2:45 PM Stump the Engineer by Qualcomm
  - 3:15 PM Movie Special F/X by Mad Science

- B** DUGOUT STAGE
- 11:00 AM TEDxKids
  - 11:30 AM Music Notes Math Concert by Music Notes
  - 12:00 PM TEDxKids
  - 12:30 PM Music Notes Math Concert by Music Notes
  - 1:00 PM STEAM Maker Recycle Fashion Show
  - 2:00 PM TEDxKids
  - 3:00 PM STEAM Maker Recycle Fashion Show

[lovestemsd.org](http://lovestemsd.org)

EXTRA CREDIT **EXPO ADVENTURE!**

Brought to you by: **MISSION FEDERAL CREDIT UNION**

**M** Pick up a map at the Extra Credit Booth in the Mercado.

Take the sheet to get stamped at the 4 exhibitor booths located at Park at the Park: P1, P2, P5, P30

Once completed take your sheet back to the Extra Credit booth and listen to a fireside chat and answer questions to collect your treasure!

# EXHIBITORS

## LOCATION KEY

HP: Home Plate  
LF: Left Field

OP: Omni Premier  
P: Park at the Park

PA: Power Alley  
PB: Park Blvd

PC: Palm Court  
WM: Western Metal

|      |  |      |  |      |  |
|------|--|------|--|------|--|
| OP16 | ABC10 / Azteca San Diego 15  | P87  | Illumina   | PA3  | San Diego Fair   |
| P33  | Air Group One, San Diego Chapter of the Commerative AirForce                   | P66  | I Love A Clean San Diego   | WM3  | San Diego Futures Foundation                                   |
| HP11 | American Chemical Society - San Diego Section                                  | PC2  | International Bridge Technologies, Inc.  | RF13 | San Diego Mesa College (Psychology/Psi Beta)                   |
| OP4  | American Industrial Hygiene Association - San Diego Chapter                    | PC9  | J. Craig Venter Institute  | PB2  | San Diego Model Railroad Museum                                |
| P3   | Apple  | RF8  | Jacobs Graduate School Council (JGSC)  | HP4  | NDIA San Diego Chapter   |
| P54  | Ardea Biosciences  | RF1  | Japanese Friendship Garden   | RF3  | San Diego Natural History Museum                               |
| P9   | Ascent Boards  | P49  | JCS San Diego Academy  | PB10 | Sanford Burnham Prebys   |
| P30  | Association of Women in Science SD   | OP1  | Jefferson IB STEAM Magnet Elementary School - San Diego Unified School District              | RF11 | Science Delivered  |
| RF12 | Be The Change International  | PB16 | Johnson & Johnson JLABS  | HP5  | Science of Music, CBS Radio                                    |
| PA9  | Biodiesel & Algal Studies Group, Castle Park High School                       | LF29 | K12 Online Public School   | PA12 | Scintillon   |
| P2   | Biomedical Engineering Society (BMES)  | P51  | Kaiser Permanente  | LF10 | SHPE San Diego Professional Chapter                            |
| PA15 | Birch Aquarium at Scripps Institution of Oceanography                          | PC8  | KYXY 96.5  | LF28 | Society of Asian Scientists and Engineers                      |
| RF10 | Boy Scouts of America  | PA1  | Lakeshore Learning Materials   | HP16 | Society of Women Engineers SD                                  |
| OP12 | BP America   | P69  | Live Well San Diego  | LF31 | Solana Beach School District                                   |
| P40  | Boys and Girls Clubs of Greater San Diego                                      | P10  | Mad Science  | LF27 | SouthWest Robotics in Science Education (SWRiSE)               |
| RF28 | C2 Education   | RF30 | Magnolia Science Academy   | RF23 | SPAWAR System Pacific  |
| OP3  | Cabrillo National Monument- National Park Service                              | P17  | Merchandise (Festival Gear)  | P91  | Sprout by HP   |
| P31  | California Space Grant Consortium (CasGC)                                      | WM6  | Microsoft  | RF33 | Star Wars Steampunk Recycled Fashion And Engineering Challenge |
| PB11 | Caltech- CCI Solar   | P52  | MilliporeSigma   | OP5  | The Learning Choice Academy                                    |
| WM2  | Center for Research in Mathematics and Science Education                       | P15  | MiraCosta College  | RF2  | The Raptor Institute   |
| LF2  | Center for Selective C-H Functionalization                                     | P22  | NASA/Jet Propulsion Laboratory   | P67  | The San Diego River Park Foundation                            |
| P68  | City of San Diego Public Utilities Department                                  | RF4  | National Marine Mammal Foundation  | PB13 | Thermo Fisher Scientific                                       |
| P7   | Cox Communications   | LF14 | National University  | P61  | Think Blue, City of San Diego                                  |
| PC5  | Cubic Corporation  | WM4  | NewSchool of Architecture & Design   | HP13 | Tijuana River National Estuarine Research Reserve              |
| LF34 | Cymer  | P44  | Olive Elementary School  | LF20 | TREW Robotics  |
| LF22 | Design39Campus   | OP6  | Padres Science of Baseball   | P1   | UCSD Bioengineering Graduate Society                           |
| LF3  | E2 Young Engineers   | LF30 | Palomar College  | RF17 | UCSD Bioinformatics and Systems Biology Graduate Program       |
| PA5  | EcoVivarium  | PB3  | Pfizer   | PA13 | UCSD IEEE  |
| PB8  | Energy 103.7   | WM1  | Photonics@UCI  | LF37 | UCSD Neuroscience Outreach Program                             |
| PC10 | Escondido Police Department  | PB1  | Point Loma Nazarene University   | LF23 | UCSD/ Canyon Crest Academy                                     |
| P42  | Feaster Charter School   | OP14 | Poway Unified School District  | LF12 | UCSD Skaggs  |
| HP7  | Ferring Research Institute   | LF6  | Project Cornerstone, Inc.  | RF15 | University of San Diego Biology                                |
| LF1  | Franklin Elementary STEAM Magnet   | RF27 | Puro Sound Labs  | PB5  | Univision  |
| PA14 | GEEK GIRL  | PC3  | Qualcomm   | PA18 | USS Midway Museum  |
| P64  | Genentech  | P84  | Qualcomm   | P79  | UTC Aerospace Systems - Aerostructures                         |
| P35  | General Atomics  | RF22 | Raytheon   | HP1  | Vertex Pharmaceuticals   |
| LF9  | Gordon and Jill Bourns College of Engineering at California Baptist University | RF19 | RCSB Protein Data Bank, UC San Diego   | P37  | ViaSat   |
| P46  | Hologic  | P95  | Reuben H. Fleet Science Center   | HP10 | Washington Elementary STEAM Magnet                             |
|      |  | LF16 | Roosevelt International Middle School  | RF25 | Westpak, Inc.  |
|      |  | P56  | Salk Institute for Biological Studies  | P27  | Zovargo  |
|      |  | RF5  | San Diego Air & Space Museum   |      |  |
|      |  | PA4  | San Diego American Association for Laboratory Animal Science                                 |      |  |
|      |  | P28  | San Diego Children's Discovery Museum  |      |  |
|      |  | HP12 | San Diego Coastkeeper  |      |  |
|      |  | P59  | San Diego County Credit Union  |      |  |
|      |  | P5   | San Diego County Office of Education/ City of San Diego Department of Environmental Services |      |  |

PRESENTED BY:



## THE LEAGUE OF EXTRAORDINARY SCIENTISTS

# At the Mercado

### FIRESIDE CHATS

**10:30** Jeff McQuaid, Scripps Institute of Oceanography OCEANOGRAPHY

**11:00** Jeane Wong, League of Extraordinary Scientists SCIENCE

**11:30** Paige Howorth, LXS Inside Out Tour ENTOMOLOGY

**01:00** Morgan Keefe, Science Medicine at AZCOM <sup>Bilingual</sup> MEDICINE

**01:30** Dr. Sarah Smith, Scripps/UCSD GENOMICS

**02:30** Dr. Lisa Ziegler, J. Craig Venter Institute VIRUSES/BIOLOGY

**02:30** Dr. Sunny Fugate, SPAWAR ARTIFICIAL INTELLIGENCE

**03:00** Dr. Tom Darlington, Nano Composix NANO TECH

**03:30** Pat Flanagan, Butterfly Farms CONSERVATION

### LXS SCIENCE TOUR

**11:15-12:00** **MAKING WAVES**  
In the "Making Waves" tour, students will be introduced to marine plants and encouraged to think critically about what makes a plant a plant! OCEANOGRAPHY

**12:15-1:00** **INSIDE OUT**  
Often thought of as our bug tour, the INSIDE OUT TOUR offers much more than that. This tour hits on the very foundation of the how gather and share discoveries globally ENTOMOLOGY

**1:15-2:00** **I WILL SURVIVE**  
Not just for the Bears- Hibernation, Estivation, and Migration. How do different animals survive and thrive. Students will get a closer look at the difference between sleeping in and hibernating ANIMALS

**2:15-3:00** **LIFE CYCLES**  
Discover how scientists explore, discover, journal and share information to better understand our planet. Did you know YOU are VIVA VIVIPAROUS? METAMORPHOSIS

**3:15-4:00** **ROBOTIC MINDS**  
All new in 2016! ROBOTICS

# #loveSTEMsd16