Welcome EDUCATORS!

LA STEM Collective

Open House 2021
Zoom Webinar controls

- Please enter questions in Q&A, if we can’t answer them today, a follow up email will be provided to everyone.
- Chat can be used to get help or share information
A DROP IN THE BUCKET

- Grades 3-8, NGSS Alignment
- Water Science & Conservation
- Cost: $0 for schools in LADWP & WBDWP service area

- In-person (90 mins): 60 participants per session, 2 sessions per day
- Live-stream (45 - 60 mins): 30 participants per session, 3 sessions per day

www.wildwoodsfoundation.org/ADropInTheBucket
FULL CIRCLE

- Grades 4-6
- Community Building & Systems Thinking
- Cost: Please contact us for associated fees
- Governor’s Environmental & Economic Leadership Award for Environmental Education
- Live-stream or in-person: 30 participants

CONTACT: Carol Peralta (213) 989 - 1955 Ext.2
CarolP@WildwoodsFoundation.org
Heal the Bay
Kelly Kelly and Robert Ramos

Programming

- Field Trips
  - In-Person (2-hour), 30 students max*
  - Virtual (1-hour), 50 students max
- Key to the Sea - Teacher workshops and field trip
  - Partners: Cabrillo Marine Aquarium, Roundhouse Aquarium, USC Sea Grant
- Camps
  - Winter, Spring, Summer
- SEA Education - online curriculum
  - Adaptations in the Rocky Shore (3-5th grade)
- After-school Enrichment
- On-campus visit (In development)

Topics

Grades K-12 lessons
- Habitats
- Plants VS Algae
- Food Webs
- Human Impacts
- Coastal Cleanup Education
- Careers in Science
- Custom Trips
Highlights

- Heal the Bay Aquarium
- Santa Monica Beach
- Environmental Stewardship
- Title 1 Grant Funding Available
- NGSS Aligned Curriculum
- Teacher Workshops
- Follow COVID protocols

Learn more at: healthebay.org/education
Contact: education@healthebay.org
Program Offerings (K-5):

- **In-Classroom**
  - NGSS-aligned, hands-on weekly lessons

- **After School Clubs**
  - STEM Clubs
  - Code Clubs

- **Spring/Summer Camps**

- **YouTube Channel**

信息服务: info@pssscience.org for more information!
In-classroom Program

- Free for Title 1 schools; super-easy to teach!
- 31 weekly, video-based science lessons
- Materials and Live Instruction can be purchased

Clubs & Camps

- After School STEM & Code Clubs
  - Virtual or In-Person
  - Led by PS Science Instructors
- Two-week summer camp/one-week spring camp for highly motivated students

YouTube Channel

- At-home science for K-5 students
- 11 playlists on science topics with 5-15 videos

info@pssscience.org for more information!
Video Episode

- Free
- Minds-on

Live Programming

- Fee-based
- Instructor led, student driven

https://californiasciencecenter.org/programs/virtual-field-trips
Education Programs
Dennis Mabasa (they/them)
Director of Education
dennis@folar.org
Program Options (Grades 3-12)

River Rover

Field Programs
REGISTER TODAY!
All programs are live & include a question/answer session

Meet the Patients
Ocean Emergency
Marine Mammal Senses
Chat with an Expert
California Sea Lion History & Ecology
Stewards of the Sea

Pacificmmmc.org/distance-learning
Welcome to Waterfront Education!

K - 6th Grade
Some Middle School/High School

Learn more at:
www.waterfronteducation.squarespace.com

Contact:
learn@waterfronteducation.org
We Provide...

VIRTUAL LEARNING

OUTDOOR PROGRAMS

Let's make an Ocean in a Bottle!
ROUNDHOUSE AQUARIUM TEACHING CENTER
MANAGED BY THE OCEANOGRAPHIC TEACHING STATIONS, INC.

• FREE AQUARIUM
• OPEN 7 DAYS A WEEK
• LIMITED FUNDING FOR TITLE 1 SCHOOLS
• OTHER FREE PROGRAMS AVAILABLE
ROUNDHOUSE AQUARIUM PROGRAMS

VIRTUAL PROGRAMS

IN-PERSON PROGRAMS

HYBRID PROGRAMS

www.roundhouseaquarium.org
310.379.8117
info@roundhouseaquarium.org
Brittney Olaes, Program Director
Dawn Martin, Administrative Manager
TreePeople

- Eco-Tours (K-6)
- Family Tours
- Moonlight Hikes
- Virtual Enrichment (K-2)
- Traveling Dirt Doctor (K-5)
TreePeople

**LEARN @HOME**

- Over 100 videos and activity sheets
- A variety of environmental topics
- Available in English and Spanish
- [https://www.treepeople.org/learn/](https://www.treepeople.org/learn/)

**Generation Earth**

For LA County teachers (grades 6-12)

- FREE Teacher Workshops
- FREE Project Toolkits
- FREE Personalized Support
  - Book an Expert
- FREE Bus for an Eco field trip!

Contact: sackerman@treepeople.org

Volunteer!
Virtual Programs
Connecting you to the wonders of the ocean!

- Interactive & student-centered
- Zoom connections
- Monday - Friday
- Programs offered for pre-K – 12th

Virtual Field Trips

Aquarium Online Academy
- Free live 30 min virtual programs
- YouTube channel
- Mon/ Wed (Spanish)/ Fri
- Text-in questions

Check out the Aquarium’s school and teacher resources at https://www.aquariumofpacific.org/education
Community Programs

Aquarium on Wheels

- Available Spring 2022
- Live tidepool animals & auditorium programs

Educational Programs

On-Site School Programs

Self-guided Field Trips

Teacher Resources

Educational Video Series

- Free K-12th grade classroom resources
- Teacher workshops

Check out these programs here:
https://www.aquariumofpacific.org/education

Alicia Archer, Education Program Manager
aarcher@lbaop.org
Contact Info:

Eliseo Nevarez
eliseo@5gyres.org
Discovery Cube’s mission is to inspire and educate young minds through engaging science based programs and exhibits to create a meaningful impact throughout Southern California. Focused on four core initiatives: STEM Proficiency, Environmental Stewardship, Early Learning and Healthy Living, Discovery Cube’s programs aim to bring children and science together in a fun learning environment that promotes wellness, school readiness and science literacy.

2 locations with brand new exhibits!

OPEN Monday – Sunday: 10 am – 5 pm
2500 N Main Street, Santa Ana, CA 92705

OPEN Thursday – Sunday: 10 am – 5 pm
11800 Foothill Blvd, Sylmar, CA 91342

Enjoy science adventure right in your own school!

Experience a hands-on adventure in science without leaving the classroom. Discovery Cube comes to you with engaging workshops and assemblies correlated with NGSS and taught by experienced science educators.

**WORKSHOPS**

**Pre-K**
- Sound Exploration (minimum 4 years old)

**KINDER**
- Buzzy Bees
- Diary of a Worm
- Sound Exploration
- Portable Planetarium

**GRADE 1**
- Buzzy Bees
- Diary of a Worm
- Sound Exploration
- Portable Planetarium

**GRADE 2**
- Fossils
- Owls Are A Hoot!
- Science Rocks!
- Portable Planetarium

**GRADE 3**
- Electric Circuits
- Engineering Design: Structures
- Engineering Design: Build a Nest
- Forces and Motion
- Fossils
- Owls Are A Hoot!
- Portable Planetarium

**ASSEMBLIES**

**Pre-K**
- None

**KINDER**
- Bubbles
- Nature Connections
- Science Magic
- Virtual: Bubble Seasons

**GRADE 1**
- Bubbles
- Nature Connections
- Science Magic
- Virtual: Bubble Seasons

**GRADE 2**
- Reaction Lab
- Super Cool
- Science Magic
- Virtual: Pet Power

**GRADE 3**
- Motion Commotion
- Watt's Current
- Science Magic
- Virtual: Pet Power

**GRADE 4**
- Electric Circuits
- Electric Motors
- Engineering Design: Structures
- Engineering Design: Build a Nest
- Portable Planetarium
- Science Rocks!

**GRADE 5**
- Engineering Design: Structures
- Engineering Design: Build a Nest
- Forces and Motion
- Portable Planetarium
- Science Rocks!

**GRADE 6-8**
- Pig Heart Dissection
- Portable Planetarium

Call 714-913-5030 or email Groups@Discoverycube.org to book your Science To Go program!
Sustainability Science Sleuths
Extended Learning Program

What's Included
Discovery Cube’s extended learning programs include end-to-end educator support tools designed to maximize impact and student learning while minimizing required preparation time.

Benefits
- Students and Families
  - Hands-on, minds-on learning
  - Gamified and fun: Up to 18 hands-on activities and 4 badges to earn
  - Engage the whole family with access to Discovery Cube Connect
- Educators
  - Developed by teachers for teachers
  - Easy to source supplies: complete kits available, or build your own
  - Fun to teach: measurably higher student engagement
- Schools
  - Each session mapped to 3rd-5th grade NGSS
  - Helps bridge learning gaps
  - Whole school focus
  - Flexible two-module program for 5-15 learning sessions

“I have really enjoyed teaching this program to the students and I have recommended it to many of my colleagues.” - LAUSD Educator

Discovery Cube Extended Learning Programs
Discovery Cube is passionate about STEM! We take a whole-student approach to education and connect STEM with ELA learning principles to inspire young minds to explore and impact the world they live in.

Fun, interactive, hands-on activities are fundamental to student engagement!

Contact us: discoverycube.org/contact-us/
Learn & Explore with the Resource Conservation District of the Santa Monica Mountains!

The RCD has been a leader in environmental education since 1964. Our award-winning outdoor education programs have spread the message of environmental stewardship to thousands of students every year for decades.

We lead programs at...

- Sepulveda Basin Wildlife Reserve
- Malibu Lagoon State Beach
- Topanga State Park

www.rcdsmm.org/education
Learn & Explore with the Resource Conservation District of the Santa Monica Mountains!

www.rcdsmm.org/education

The RCD doesn't just lead outdoor programs, we also provide opportunities for students to connect with nature no matter where they live through our virtual and Place Based Journaling programs!
Get to know the Ballona Creek Watershed!

Field trips, in-class & virtual programs for grades 3-12

Baldwin Hills Parklands  Ballona Wetlands  Dockweiler Beach

Emily Cobar, Community Program Director
emilycobar@gmail.com
We collaborate with K-12 schools, teachers, and students to strengthen STEM pathways that broaden college and career options.

Our programs and research-based interventions offer project-based experiences that support the Common Core and Next Generation Science Standards and serve the nation’s urgent need for a STEM-ready workforce.

https://viterbik12.usc.edu

Email Mary at kbonapar@usc.edu to connect!
Elementary: Hour of Code workshops for K-2 and 3-5 Teachers; Family Code Nights (English and Spanish sessions).

Middle + High School: Hour of Code Workshops for MS + HS Teachers; Actionable Ways to Grow your CS Program workshop for Teachers; AI for Social Good session; USC CS Student Organization Panels.

ALL: Sign up for a virtual classroom visit from one of our USC CS students!

FREE! Registration required

https://viterbik12.usc.edu/cs-ed-week/
Programs

- Overnight Field Trips
- Floating Sea Lab Field Trips
- Summer Camp

Activities Include...
Snorkeling, kayaking, hiking, plankton trawls and more!

Making World Changing Adventurers!
Walter Munk Foundation for the Oceans ~ Virtual Field Trips
Marine Ecology, Conservation, and Stewardship

Exploring the Tide Pool Universe
Hunters of the Kelp Forest
A Diver’s View of the Underwater World
Marine Mammals
Sharks and Rays
The Value of a Whale

Customized Classes available upon request!
THE MAP
of the Grand Canyons of La Jolla

Visit the virtual MAP: waltermunkway.org

@oceanexplorer_waltertheray

FB: Ocean Explorer Walter the Ray

Contact info: education@waltermunkfoundation.org
Explore the fundamentals of STEM through hands-on activities anchored in history, maritime science, and international trade.

Battleship USS IOWA Museum

Tiffany Ellerbeck
Education Manager
tellerbeck@labattleship.com
877-446-9261 ext,749
pacificbattleship.com

In-Person Field Trips - STEAM at Sea and Day of Discovery
Overnight science camp for 5th-12th grade

We offer 3, 4, and 5 day trips.

Trips available Monday-Friday.
March-May and September-mid November.

Cabins sleep 160. Tents sleep 500.

NGSS-aligned curriculum and on-site aquarium.

Contact: Alix Fulham
alix.fulham@scouting.org
310.693.4883

www.emeraldbayoutdooracademy.org
https://www.youtube.com/channel/UCUgFpTLme1sFwP0nZ927qg
Course Examples:
- Stewardship
- Kelp Forest Ecology
- Snorkeling
- Marine Protected Areas
- Fish Dissections
- Astronomy
- Hikes
- Marine Invertebrates

We also offer a professional development retreat once a year.
Climate Regeneration Solutions
Climate Arts. Climate Education. Climate Solutions.
Movetheworldnow.org

SAVES $74 TRILLION

NATURE MAKES US HEALTHY

EQUITY FOR ALL PEOPLE

GREEN JOBS = OUR FUTURE

PLANET EARTH

MY PLAN TO CREATE
10.6 MILLION GREEN JOBS
WARREN
FULL CIRCLE COMPOST PROGRAM: info@movetheworldnow.org


Hands on skill-building 
School Installations 
Virtual & Live Classes
using the inspirational environments of sailing tall ships and the ocean to emotionally connect students to practical and engaging application of STEM principles
- 3-hr, day, or multi-day voyages - 4th-12th
- after-school marine science clubs - 8th-12th
- summer camps
- internships and workforce development
- virtual field trips - 3rd-12th
- online courses or single lessons - K-12th
- bi-lingual educational resources - 3rd-12th
  - videos, lesson plans, and activities

Available STEM subjects include:
- WATERSHED ECOLOGY
- EARTH and OCEAN SYSTEMS
- WATER QUALITY and POLLUTION
- MARINE ZOOLOGY
- OCEANOGRAPHY
- MARINE CONSERVATION
- PHYSICS of SAILING
- MATHEMATICS in NAVIGATION
- MARITIME ENGINEERING
An online program that utilizes technology to take filmmaking to a whole new level. Our innovative approach allows girls and non-binary youth to learn the important technical skills that are needed to make a film in a collaborative, safe environment.

Industry professionals teach online classes and workshops on a variety of technical and creative aspects of filmmaking including:

- Editing
- Camera work
- Lighting
- Sound
- Animation
- Writing
- Producing
- Directing

To learn more about GirlsInFocus please visit our website: https://www.girls-in-focus.com
Columbia Memorial Space Center

- Space Museum and Hands-on STEM Learning Center
- Challenger Center and Robotics Lab
- Historic NASA site in Downey

[columbiaespacescience.org](http://columbiaespacescience.org)
[@columbiaspace](https://twitter.com/columbiaspace)
- Virtual Field Trips - All Grades
- Virtual Missions to the Moon or Mars - 5th Grade and Up
- STEM Programs On-Site and Off-site
  - Girls in STEM Club
  - Hands-on Outreach
  - Early Childhood
- In-Person Field Trips in 2022
- City of STEM Fest - April 2022
cityofstem.org

info@downneyspacecenter.org

columbiaspacescience.org
Connecting Ocean Science Research and Policy to Education

- Curricula
- Experiential Learning Resources
- Connecting Students to Researchers

https://dornsife.usc.edu/uscseagrant/ce-curricula/
Linda Chilton, Education Coordinator  lchilton@usc.edu
Maria Madrigal, Education Specialist  mmdmadrig@usc.edu
NHMLAC Education Programs

- Free field trips: Pre-K - 12 CA accredited schools (NHM & LBTP)
- Mobile Museum School Residencies (Spring 2021)

Asynchronous Offerings
- Online Learning Resources:
  - Videos
  - Lesson Plans
  - Activities
  - Teacher Guides
- Self-Guided Field Trips

Synchronous Offerings
- Live Museum Presentations (Zoom Webinars)
- Live Student Programs (Zoom Meetings)
Upcoming Educator Workshops

● **NHM**
  ○ December 4: *Becoming Jane* & Empathy Building with Live Animals
  ○ Feb TBD: Community Science Harvester Ant Project
  ○ April 23: *Los Angeles Underwater*

● **TAR PITS**
  ○ November 6: Teaching Climate Change
  ○ January 29: Paleoart & Scientific Illustration
  ○ March 19: From the Yukon to Los Angeles - New Research

● **Virtual Teacher Trainings**
  ○ Androcentrism and the Impossible Male
  ○ How We Museum: Learning Resources with NHM
  ○ Partnership with the Fernandeno Tataviam Band of Mission Indians