



# Traveling Teacher Program

## 2022-2023

### Overview:

- Great Valley Museum offers science, nature, and history programs that allow students to discover critical thinking, engineering, observation, and problem solving skills through experiment and hands-on activities.
- All programs include hands-on and interactive activities
- Each presentation is 60 to 90 minutes
- Next Generation Science Standards (NGSS)

### Requirements:

- Minimum of 2 presentations per day for cities outside of Modesto
- Up to four 60 minute presentations per day and maximum of 30 students for each presentation
- Signed Outreach Program Agreement before first scheduled program
- Classroom teachers **MUST** be present at all times during the presentations
- **When scheduling more than one presentation per day, TRAVELING TEACHERS MUST BE SET UP IN ONE ROOM AND HAVE THE CLASSES COME TO THEM**

### Payment/fees:

- Annual school membership \$250\*
- Program fees are listed as member and non-member price
- Mileage charge for all programs
- Invoice is sent out at the end of the month program takes place
- Payments CANNOT be taken by the traveling teacher
- Programs cancelled 2 business days prior to the scheduled date will be charged the full cost of the program

**To schedule a program, please email Eden Chung at [chunge@yosemite.edu](mailto:chunge@yosemite.edu) or call 209.575.6674. Please provide school name and address, program, and grade level, # of students, dates and times.**

\* 25% off Traveling Teacher programs and field trip for the school year

### Animal Adventure

Grade: K-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

Discover and learn about the skin type, characteristics, body structure, behavior, and habitat of reptiles, amphibians, insects, mammals, and more! This program includes live animals.

*NGSS: From Molecules to Organisms*

### Astronomy

Grade: 3-8<sup>th</sup>  
Time: 60 minutes  
Price: \$150/\$200

Participate in an amazing intergalactic cosmic tour through models, demos and hands-on lecture-labs. Our tour begins with our own Milky Way Galaxy, Solar System of Planets and gravity forces in the universe. We will review eclipses, eight moon phases, create meteor craters, and witness the first lunar landing in human history. Our journey ends with different types of stars, constellations, star clocks, and how to find and navigate by the North Star.

*NGSS: Earth's Place in the Universe*

### Chemical Reaction

Grade: 3-6<sup>th</sup>  
Time: 90 minutes  
Price: \$150/\$200

Chemical reaction is at the heart of every biological process in the universe. Students will administer experiments with different chemicals and determine if a chemical reaction took place by observing the change in temperature, color, odor, and production of gas.

*NGSS: Matter and It's Interactions*

### Clean Air

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$150/\$200

Explore the concept of air and the importance of clean air. Students will learn about air quality, how to reduce air pollution, and how to filter air through a hands-on workshop.

*NGSS: Earth and Human Activity & Engineering Design*

### Crime Lab Chemistry

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

Who stole Lana Lava's sweater?! Who is the culprit that left the ransom note? Students will become forensic detectives and scientists to solve a crime. Students will use the scientific method of observation, hypothesis, prediction, test/experiment, and conclusion.

*NGSS: Engineering Design*

### Eggs are Everywhere

Grade: K-2<sup>nd</sup>  
Time: 60 minutes  
Price: \$120/\$160

Discover the life cycles of oviparous animals. Students will identify eggs of fish, insects, birds, and reptiles and learn different parts of an egg.

*NGSS: From Molecules to Organisms: Structures and Processes*

### Electricity

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$150/\$200

Build a series and parallel circuit! Students will build circuits using wires, batteries, motors, sockets, propellers, and light bulbs and discover what materials are electrical conductors and insulators.

*NGSS: Energy*

### Eye Dissection

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$240/\$320

Explore the structure and function of different parts of the eye. Students will dissect a cow eye and uncover the anatomy behind sight.

*NGSS: Molecules to Organisms: Structures and Processes*

### Five Senses

Grade: K – 1<sup>st</sup>  
Time: 60 minutes  
Price: \$120/\$160

Explore and discover properties of different objects using your five senses!

*NGSS: From Molecules to Organisms: Structures and Processes*

### Flower Dissection

Grade: 1 – 3<sup>rd</sup>  
Time: 60 minutes  
Price: \$120/\$160

Flowers play an important role in the reproduction process of a plant. Students will dissect a flower and learn the function of each part of a flower.

*NGSS: Ecosystems: Interactions, Energy, and Dynamics*

### Lights & Rainbows

Grade: K – 2<sup>nd</sup>  
Time: 60 minutes  
Price: \$120/\$160

How do we get white light?  
Students will investigate the properties of light, rainbow formation, primary colors, and secondary colors through hands on activities.

*NGSS: Waves and their Applications in Tech for Info transfer*

### Magical Magnets

Grade: 1-3<sup>rd</sup>  
Time: 60 minutes  
Price: \$120/\$160

Earth is a giant magnet surrounded by an invisible magnetic force. What properties allow the earth to become a giant magnet? Students will engage in hands on activities and learn about the magnetic properties through hypothesis, observation, and experiment.

*NGSS: Motion and Stability: Forces and Interactions*

### Motion & Machines

Grade: 2 – 4<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

Everything in the universe moves!  
Students will learn the key concepts of physics including force, gravity, friction, inertia, and momentum. Students will then apply this knowledge to work with a wheel and axle, lever, pulley, inclined plane, screw and wedge.

*NGSS: Motion and Stability: Forces and Interactions*

### Oceans

Grade: 1 – 4<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

About 70% of the earth's surface is covered in water and the ocean holds about 96% of all Earth's water. Uncover and explore the animals and plants found in the vast ocean habitat.

*NGSS: Biological Evolution: Unity and Diversity*

### Owl Pellets

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$240/\$320

Learn about owls and the relationship to their prey. Students will dissect owl pellets and identify the bones of their prey.

*NGSS: Ecosystems: Interactions, Energy, and Dynamics*

### Rainforest

Grade: 1 – 3<sup>rd</sup>  
Time: 60 minutes  
Price: \$120/\$160

Imagine the beautiful colors and sounds of plants and animals of the rainforest. What sort of colors do you see and what animals do you hear? Discover the animals and plants found in the rainforest among the layers of the rainforest.

*NGSS: Biological Evolution: Unity and Diversity*

### Rocks & Minerals

Grade: 2-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

Learn about the rock cycle, how rocks and minerals are formed, and everyday uses for rocks. Students will discover the characteristics and properties of sedimentary, metamorphic, and igneous rocks.

*NGSS: Earth's Place in the Universe*

### Scat n' Tracks

Grade: K-3<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

How can you tell which animal lives in the area? By discovering their scat and tracks! Evidence of life is all around us. Students will observe animal's footprints, scat, habitat, bite marks, and etc.

*NGSS: Biological Evolution: Unity and Diversity*

### Science or Magic?

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$150/\$200

Abracadabra! No wait, its science! Students will conduct experiments to determine whether the experiments are science or magic. Students will learn about polymer, chemical reaction, refraction, and surface tension.

*NGSS: Engineering Design*

### Squid Dissection

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$240/\$320

Squids are one of the most fascinating invertebrates living in the ocean. Learn about what they eat, how they move, and their behavior. Students will dissect a squid and identify the body parts and its function.

*NGSS: Molecules to Organisms: Structures and Processes*

### Volcanoes

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

Volcanoes are openings in the Earth's surface located where tectonic plates meet. Students will explore different types of volcanoes, how they are formed, and create their own volcanoes.

*NGSS: Earth's System*

### Weather, Clouds, & Water

Grade: K – 5<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

What are the signs of rain? How do we know a storm is brewing? Students will learn how to predict oncoming weather and use instruments to measure different types of weather.

*NGSS: Earth's Systems*

### Web of Life

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

The sun plays a vital role in supporting all plant and animal life. Students will understand the ecological balance of the food chain and the important role of each producer and consumer. They will explore the hierarchy of species, human impact on ecosystems, natural selection, and adaptations.

*NGSS: Ecosystems: Interactions, Energy, and Dynamics*

### Yokuts & Miwoks

Grade: 3-6<sup>th</sup>  
Time: 60 minutes  
Price: \$120/\$160

The California Native Americans had a unique way of life that was very different from the one we live today. Discover their way of life and culture through artifacts, realia, and photos. Students will get a taste of their way of life by using various tools used by the Yokuts and Miwoks.

*History: 3.1, 3.2, 4.2*