



Workshop Offerings 2023-24 Field Trips

Workshops all touch on grade-specific science standards.

Astronauts and Beyond!

Grades: 3-8

In this workshop, students will explore the different areas that astronauts focus on in their two-year training process, as well as the teams of people necessary to make space exploration missions possible. Through their training here at Chabot, students will experience an array of challenges and collaborate in teams to solve them while making connections to the work that astronauts do and how their work impacts humankind.

Energy Engineering

Grades: 4-8

Things are heating up, so come on down and shoot the breeze! Where does all of our energy come from? How do different types of energy influence life on our planet? In this workshop students will learn about different sources of energy, including wind and solar energy. They will also design wind turbine models and test their ability to produce energy. They will leave this workshop with engineering/experimentation skills and an understanding of the impact renewable and non-renewable energy sources have on our environment.

Mars Lander Challenge

Grades: 3-8

Perseverance, our most recent Mars rover, was deployed in February 2021: but how did it successfully arrive? Come build your own lander to keep our rovers safe on their journeys! In this workshop, young engineers will be briefed on the challenges of landing scientific instruments on Mars. Then, they will take on the task of designing a Mars lander, testing it, and testing again, to see if it can successfully tackle the red planet.

Sun, Earth, Moon

Grades: K-5

Through this workshop, students will be introduced to the two astronomical objects that are most significant in their lives, the sun and the moon, along with a deeper understanding of our own planets' special features and how all three act together



Wonders of Weather

Grades: K-3

Meteorologists study and measure the weather! Through crafts and experiments, students will step into the shoes of a meteorologist to explore different kinds of weather and how they are formed as well as the tools used to observe them. Come find out how the sun, air, and water work together to create all different types of weather we see.