



**Field Trip & Classroom Programs
2023-24 School Year**

Discovery Demonstrations

*Discovery Shows are demonstration-style programs appropriate for large audiences. They can be delivered in your classroom/auditorium **OR** in the museum as part of your field trip. Shows run approximately 30 minutes and are available in the following topics:*

Superhero Science: Exploring Materials

Grades UPK – 3

This demonstration explores materials and material properties, from the everyday to the unbelievable (but real!) cutting edge of materials science.

Ready, Set, Roll: Exploring Forces

Grades UPK – 3

Discover the basic physical forces at work in everyday life, from friction and air resistance to gravity and momentum. Students will explore what makes a catapult launch, a ball accelerate down a ramp, and more!

All Together Now: The Systems of the Human Body

Grades 3 - 6

Learn about the human body by exploring the different systems within it. Discover the main purposes of each system and the ways they interact, allowing us to accomplish the amazing things we do every day!

Explosion Explorers: Chemistry

Grades 5 – 9

Engage your students' curiosity about chemicals and chemical reactions with a review of basic experiment safety and procedures, all while exploring popular chemical reactions in this exciting lab session!

Discovery Workshops *(Available in museum only)*

Discovery Workshops are hands-on sessions related to the museum's exhibits for groups of up to 25 students, and can be delivered in the museum as part of your field trip. Workshops run approximately 30 minutes and are available in the following topics:

STEM Story Time

Grades UPK – 4

Young children are natural scientists – curious, inquisitive, and always ready to explore! STEM Story Time encourages a student's scientific spirit through stories and hands-on sensory play designed to inspire investigation and discovery! Each grade level story and activity is different:

- STEM Story Time: **Trees** (Grade UPK-K)
- STEM Story Time: **Light & Sound** (Grade 1)
- STEM Story Time: **Solids & Liquids** (Grade 2)
- STEM Story Time: **Food & Nutrition** (Grade 3)
- STEM Story Time: **Human Impacts on the Environment** (Grade 4)

Predict & Prepare: Weather Response Team

Grades UPK – 2

This severe weather response simulation gives young students an opportunity to work together to predict and prepare for a severe weather event. Hands-on activities engage students in weather forecasting, assessing local climate conditions, and preparing themselves and their community for floods, snowstorms, and more.

Animals & Their Habitats

Grades UPK – 2

Discover the secrets of animal anatomy and adaptation. Students learn about a variety of ecosystems and design a bug that can survive predators and the elements in different biomes!

Coding Basics

(Also available as "Coding Basics" Girl Scout Badge Workshop – Daisy, Brownie, or Junior)

Grades UPK - 4

Explore the basics of coding with an introduction to binary, algorithms, and more! Students will learn about famous computer science pioneers, play coding games, and explore exhibits in computer engineering at the MOST!

Kitchen Science

(Also available as "Home Scientist" Girl Scout Badge Workshop – Brownie)

Grades UPK – 4

Science doesn't just happen in a laboratory, it happens everywhere – even in your own home! Explore chemical reactions, density, and more home-spun science fun in this hands-on workshop session.

Dino Zone Safari: Exploring Fossils

Grades UPK – 4

Students will learn what fossils can teach us, how fossil records demonstrate changes in landscape over time, and how adaptations supported animal survival. Students will play a "be the fossil" game, explore sample fossil records, and examine real and replica fossil samples. They will also complete a safari scavenger hunt focusing on adaptation in Dinosaur species.

Plant Parts & Indigenous Agriculture

Grades 2 – 6

Students will explore native agricultural techniques, the main external structures that are necessary for plant survival, and the internal structures of seeds. Students will complete a seed dissection, as well as assemble a 3D plant model puzzle.

It's Electromagnetic!

Grades 4 - 8

Students will explore the basics of electromagnetism through hands-on play with magnets and other devices.

Inside the Geology Cave and Gem & Mineral Gallery

Grades 4 – 8

This lesson aims to expand upon student knowledge of rocks and landforms. Students will learn how Earth processes impact the formation of different kinds of rocks, and will be introduced to topography – plus enjoy a behind-the-scenes look at the Gem & Mineral collection!

Making Waves: Telecommunications Lab

Grades 6 – 12

Explore the technological history of humanity's attempts to communicate across distances, from visual telegraphy to wireless! Students will discover the codes of past and present that enable telecommunication, and receive a special behind-the-scenes tour of the MOST's amateur radio station, K2MST.