



## Field Trips to the Maine Discovery Museum!

**Bubble Gum Workshop:** Students will receive an introduction into chemistry and phases of matter while making bubble gum. *Grades 2-8, up to 20 children, \$50*

**Sweet Nano Science: Self-assembling Molecules:** Students will explore the concept of molecules and atoms through interactive displays, models, interactive games and experiments. They will learn about the concept of self-assembly and watch self-assembly in action while making tiny gummies. *Grades 3-8, up to 20 children, \$50*

**Rocket Power without the Boom!** Using Sir Isaac Newton's three laws of motion, students will explore the principals of practical rocketry. Each student will design, build and test a balloon powered "rocket racer" to take home. *Grades 1-6, up to 20 children, \$50*

**Exploding Diapers- Hydrogels in Action:** Students observe and explore the concepts of absorbance and retention with different materials and extract hydrogel powder from diapers. They will observe cohesion and adhesion and explore the phases of matter. *Grades 2-8, up to 25 children, \$45*

**Lotions, Potions and Scientific Notions:** While making their own beauty products, students will explore the principle of molecules and diffusion. In addition, students will learn about olfactory sensory perception. *Grades K-8, up to 25 children, \$50*

**Shocking Science:** Students will experience jolts and volts and hair-raising, safe fun with one of the most amazing forces of our world: electricity! Static Electricity experiments will show attraction and repulsion between electrons and neutrons. *Grades K-8, up to 15 children, \$45*



Maine Discovery Museum  
74 Main Street  
Bangor, ME 04401  
262-7200  
[www.mainediscoverymuseum.org](http://www.mainediscoverymuseum.org)

## Interested in Booking a Field Trip?

Field trips must be booked at least two weeks in advance.

Each program lasts 45 minutes, unless otherwise noted.

All programs align to Common Core and NSSE standards.

Prices vary and are listed in the field trip description. *MDM has a large collection of natural specimen and science materials. If you are interested in a custom program to fit your curriculum, don't hesitate to contact us!*

## More Field Trip Programs:

**Potato Power:** Students will devise an experiment to determine what a potato is made of by titrating for starch in different foods and other products, filtering blended potatoes to extract starch, comparing fresh and wholesome potato products to processed potato products like chips. If appropriate, the lesson can end with a potato candy (Maine Nedhams) making activity or potato planting activity. *Grades K-8, up to 20 children, \$50*

**Ice-cold Science:** Students will explore the changing phases of dry ice and compare it to regular ice. Through fun demonstrations and simple experiments, they will observe sublimations, compression and rapid expansion of gasses and changes under different conditions. *Grades 1-6, up to 20 children, \$50*

**What's up with small stuff?** What exactly is a Nano anyways? Students will learn why Nano is important for science, society and for their future. Hands-on activities and demonstrations will allow them to observe and explore how the smallest things act differently than big things, what tools Nano scientists use and what amazing new technologies and materials come out of Nano research and engineering. *Grades 3-8, up to 20 children \$45*

**Wild Wonders:** With the help of museum specimen we'll take a closer look at warm blooded vertebrae like big cats, antelopes and deer, rodents and primates: how are they adapted to their habitat? What food do they eat? Each student will make their own mini field guide with descriptions and pictures of the featured animals. *Grades K-6, up to 25 children, \$45*

**Creature Feature:** Join us for a live animal presentation of one of MDM's resident rescues. Often misunderstood but ecologically important creatures can be observed up close and some even handled. This is a slightly shorter program (30 min) and well suited for younger children. *Grades K-8, up to 25 children, \$40*

**Prehistoric Puzzle:** This program looks at everything from the tools to the clues that paleontologists use to piece together our understanding of the prehistoric past. What are fossils? How does a living organism become a fossil? What was Maine like 10000 or 10 million years ago? Examine and compare real fossils and fossil replicas of prehistoric plants and animals and compare them to organisms alive today. *Grades K-6, up to 20 children; \$45 (or \$60, if children get to keep found fossils like shark teeth and coprolites)*

**Leaping Lizards:** Reptiles and amphibians are an important part of ecosystems all over the world. Students will explore adaptation, habitats, behavior, defenses and conservation of several different types of reptilians with specimen and live reptiles. *Grades K-6, up to 25 children, \$45*

**Flying Cars:** Students will explore cutting edge Nano technology and materials in hands-on stations and activities. In addition students will explore the concept of systems. While designing and building their own model flying cars, students will discuss and discover the far-reaching implications of new technologies for systems in our society/communities. *Grades 2-8, up to 20 children, \$50*

**Follow the Food –the Scoop on Poop:** This program demonstrates the chemical and physical changes that take place when we eat. Tooth health, taste experiments, and making “poop” in the art lab are all part of the journey through the digestive system. *Grades K-8, up to 20 children, \$50*

**No Place Like Home:** Students will explore different biomes and habitats and how animals are adapted to survive in their niche. Then students will study different insects and observe live insects. Each student will build a mini habitat for a pet cricket (or Bess bug or darkling beetle) to take home.

*Grades K-6, up to 20 children, \$50*