

2021-2022 Group Visit Guide

Exhibits • Workshops • Programs



Informal, hands-on STEM experiences expand kids' worlds!



200 Museum Drive, Lansing, MI 48933 | (517) 485-8116

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Interactive Exhibits

Impression 5 Science Center's exhibit floor provides a self-chosen, learner-directed environment with the tools and freedom to interactively discover science! Explore the exhibit floor in a path that suits your interests while making meaningful connections with science.

First Impression Room

The *First Impression Room* is a space for young scientists from birth to age four to experience and learn about science in a comfortable and customized environment. It's complete with a family restroom, private nursing room, Crocs™ and raincoats for the water area, and more!

FLOW: A Water Experience

FLOW explores fluid dynamics with interactive components and activities! Build and test your own sailboat, explore a vortex, power a giant flywheel that shoots a two-story geyser, play with water jets, and more, all while soaking up the science of the world's most magnificent natural resource—water!



Build Zone

What types of structures can you build? How does gravity, tension, and compression affect your structure? Get ready to become an engineer as you build with a variety of materials. *Build Zone* features magnetic Panelcraft™, pipes and tubing, blocks, and more! This exhibit promotes team building and problem solving. What will you create together?



Throwing Things

Where does the energy come from to launch a ball through the air? Experiment with kinetic and potential energy using air cannons, trebuchets, and bottle rockets as your tools! Explore the laws of motion, ballistics, and energy while pitching, launching, and catapulting with high-energy activities that integrate new technology.

Think Tank

Discover a space for student innovators ages 9 and up to put their minds and hands to the test as they experience a true maker lab! Turn your ideas into reality with real tools, real challenges, and real outcomes! Whether you have 10 minutes or the whole afternoon, *Think Tank* will keep your mind and imagination innovating. Open hours vary.

Interactive Exhibits

Spectrum

Explore the electromagnetic spectrum and test different light sources, lenses, prisms and mirrors, and more! Step up to our life-size Light Mosaic to create your own colorful masterpiece, then strike a pose at the Shadow Wall. You can see how plasma reacts to a conductor and experiment with primary colors!

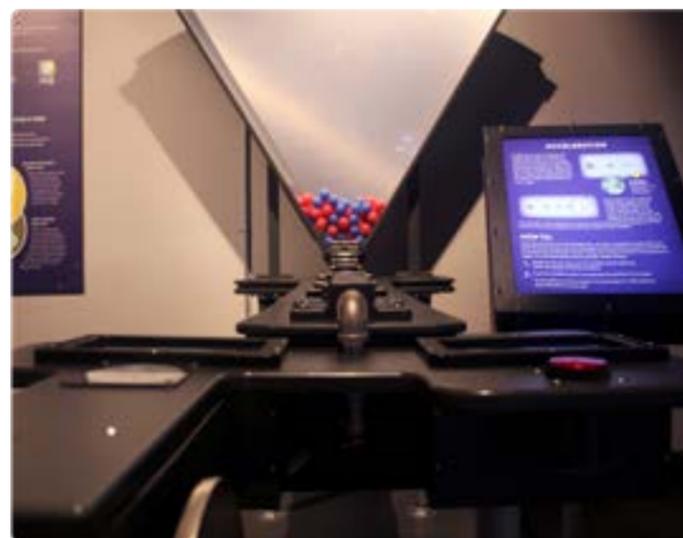


Chew On This!

Explore the science of your mouth by using microscopes and magnifying lenses to see teeth like never before. Play with a giant mouth as you discover how your mouth works, why it's important for eating and communicating, and how to care for your teeth. Say *ahhhhh!* as you dive deeper into the science of your mouth!

SMASH: A Nuclear Adventure

Experience the world of nuclear science by building atoms, discovering ways to create new isotopes, using models to explore concepts you can't see, and imagining what the future of nuclear science holds!



MI Nature

What does the world look like through the eyes of a naturalist? Explore the natural environments of Michigan while never setting foot outside the Science Center! With a variety of new technological tools, challenge your thinking skills as you get up close and personal with living systems, just like a naturalist in the field!

Nano

Immerse yourself in nanoscale science, engineering, and technology! This exhibit introduces you to real world nano applications and explores the societal and ethical implications of this new technology. Play with magnetic materials and more!

Simple Machines

How could you possibly move a 500-pound block of concrete? Find out as you explore the concepts of work and mechanical advantage using a set of fun challenges and activities.

POP! A Bubble Experience

In *POP!*, explore how soap and water molecules interact to create the structure of a bubble. Learn about the chemistry of soap films, create beautiful forms and colors, and even stand inside a giant bubble!

Workshops & Experiences

Add workshops or experiences to enhance your epic group science adventure!

Choose between Science Experiences or In-Depth Science Workshops that meet Next Generation Science Standards!

Science Experiences (25-30 min.)

Slime

Discover how molecules interact in solids and liquids! Learn about other basic chemistry principles, such as physical and chemical changes. Learners then mix ingredients to create their own colorful slime to take home!

Fee: \$2.00 /student Grades: All

Light

Explore the fascinating world of light! Identify various sources of light and explore the concepts of reflection and refraction with hands-on experimentation.

Fee: \$2.00/student Grades: All

Circuit Builders

Experiment with Snap Circuits, alter the path of an electron, discover power sources, and investigate the difference between series and parallel circuits. Learners will use the four components of any circuit to test and experiment in this exploratory workshop!

Fee: \$2.00/student Grades: All

Static Electricity (Only available Sept. 2021 - April 2022)

Experiment with different uses of static electricity and explore conductors, insulators, circuits, currents, and more! Learners see firsthand the powerful effects of static electricity with our Van de Graaff generator in a shocking and hair-raising experience.

Fee: \$2.00/student Grades: All



In-Depth Science Workshops

Paper Circuits (45 min.)

Explore the science of electrical currents by creating a paper circuit with batteries, LEDs, and copper tape. Learners explore complexities of switches and paths of electricity while creating their own unique paper circuit.

Fee: \$3.00/student Grades: 3 & up

Biospheres (30 min.)

Learners explore water and carbon cycles while making a biome, then get their hands in the dirt and explore what's needed for a self-contained system! Learn about plants and how the water cycle works. Plus, each learner brings home their own biosphere!

Fee: \$3.00/student Grades: All

Force & Motion (45 min.)

Explore the science of force and motion, and participate in a variety of challenges to help build an understanding of motion, speed, acceleration, gravity, friction, and force!

Fee: \$3.00/student Grades: All

Engineering Design Challenge (45 min.)

Learners are given an engineering challenge they must overcome by designing and prototyping a device. Engage in the design process and experiment with multiple device iterations to achieve maximum success!

Fee: \$3.00/student Grades: All



Custom Group Programs

Experience hands-on STEM-focused programs, exhibits, and workshops with your students!

Leave it to Impression 5 to bring science to life and introduce intriguing content to help your students make meaningful connections to science principles through these unique Science Center programs.



Virtual STEM Program

We bring the science to you! Watch as science comes alive in your classroom. We specialize in hands-on science exploration and dynamic inquiry-based learning. With a variety of lessons connected to Next Generation Science Standards, you will receive all materials for each student to engage virtually in a science lesson with one of our educators. Your virtual lesson will reinforce a hands-on science approach and engage students in science skills, such as observation, problem-solving, and engineering design. Virtual STEM is a program that's customized to fit any grade and group size.

Generation Science

This engineering-focused program combines the experience of a visit to the Science Center with a classroom outreach! Students have the opportunity to explore science in their classroom, and then join us for a full day at Impression 5! All lessons are designed with Next Generation Science Standards in mind and are adapted to what you need to provide your students with maximum exposure to science concepts. Generation Science is a program that's customized to fit any grade and group size.

BIG Science Lesson

Immerse your students in a 4-day science lesson and explore science like never before!

All activities are co-developed with Impression 5 staff and are designed to fit Next Generation Science Standards. During this teacher-led BIG Science Lesson, Impression 5 staff provide interactive presentations, behind-the-scenes tours, investigations, experiments, reflective discussions, and more during your custom, interdisciplinary lessons!

Teachers: this is a great opportunity to develop an in-depth relationship with our exhibits, staff, and science resources!

Fee: \$32.00/student per week (Tuesday-Friday only)



Plan Your Visit!

Choose the exhibits, workshops, and programs you want to experience based on your classroom's specific needs and learning goals!

Options to consider for your visit:

Group Admission Rate

Schools and other established organizations are eligible for a group admission rate of \$7.00 per child with a reservation. Teachers and chaperones accompanying a reserved group receive FREE admission.

Scholarships

Need-based scholarships are available for students who want to participate in Impression 5 programs. For more information, please contact our Reservation Coordinator at (517) 485-8116, ext. 132 or [apply online](#).

Lunch Area

If you choose to visit us during mealtime, you can reserve our lunch area for your students and chaperones. Our lunchroom accommodates up to 60 guests!

Fee: \$25.00/25 minutes

Impression 5 TO GO

Be sure to make time for shopping in Impression 5's science store during your visit. Our gift store is fully stocked with educational toys, t-shirts, and unique gift items. You can also browse a large selection of science books for a variety of reading levels. Don't let the science discovery end when you leave!

Impression 5 Information

Visit: Impression 5 Science Center
200 Museum Drive
Lansing, MI 48933

Call: Science Center: (517) 485-8116

- Reservations Coordinator: Ext. 132
- Big Science and Custom Lessons: Ext. 147
- Virtual STEM Program: Ext. 147

Park: Parking is limited; we strongly recommend chaperones carpool.

Bus parking available only on Museum Drive.

Before you call, please be prepared with the following information:

1. Name of your school or organization
2. Name of the person in charge on the day of your visit
3. Date you'd like to visit (and two alternates, just in case)
4. Your planned arrival and departure times
5. Number of students and adults in your group
6. Your group's address for confirmation and billing, including the county (if within Michigan)
7. Your mode of transportation (e.g. carpool or school bus)
7. Your phone number and email address
8. Age or grade level of the students
9. Workshops you would like to reserve
10. Any lunch or shopping plans
11. Any additional/special accommodations needed

[You can also submit your group visit requests online!](#)

Once your reservation is complete, we will send you a confirmation email including logistical details, a parking map, and an invoice to assist you in preparing payment.

Payment is required on or before the date of your visit.

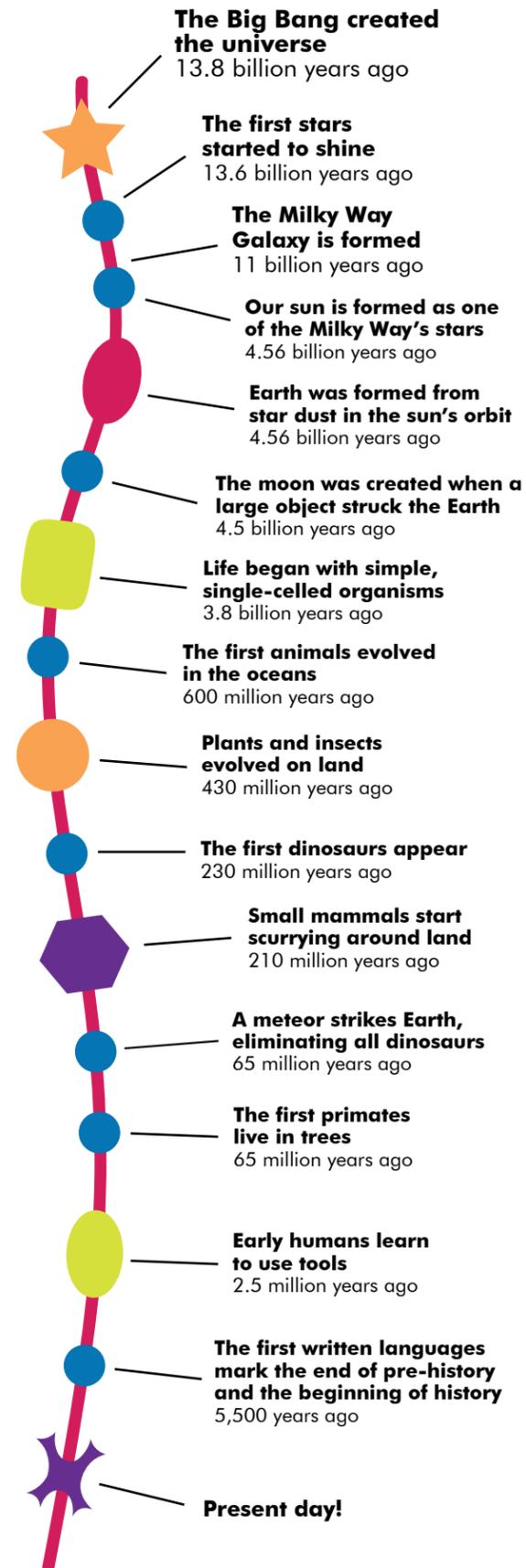
Need assistance planning your visit?

Contact our Reservations Coordinator if you:

- Have any questions
- Need ideas regarding how to make the most of your visit
- Need help choosing a date/time for the best experience
- Need to discuss any accommodations
- Would like to reserve additional resources during your visit:
 - Sensory Backpacks (headphones, social stories, fidgets)
 - Adult Wheelchair
 - Weighted Blanket

Classroom Activity

Universe Story Beads



The history of the universe is vast and sometimes difficult to understand. Humans, and even the Earth itself, take up such a small amount of time compared to the age of the matter around us. Use this hands-on classroom activity to explore the history of the universe with a customizable timeline!

Materials Needed:

- History of the universe timeline
- Various beads
- Bead charts (you assign a bead to each timeline event to create your individual chart)
- String/cord for beading

Instructions:

1. Begin the activity by introducing the timeline of the universe. Discuss the importance of the events and discuss how scientists explain the universe, the solar system, and life on Earth over time.
2. Next, allow your learners to choose individual beads to represent each unique event. They should also choose one bead (simple, one color) to represent other events that happened between their chosen events.
3. Instruct your learners to start stringing their beads based on the events in their timeline. They can create a necklace, a bracelet, or a keychain—it's up to them!
4. Give your learners a chance to explain their unique timeline with their beads. Why did they choose a particular bead to represent a certain event? Were there any parts of the timeline that surprised them? Encourage an open discussion about the universe, its matter, its history, and the science behind uncovering this information.

Instructor Recommendation:

Make a set of your own timeline story beads before leading this activity. This gives your learners an example, and gives you a way to illustrate on your beaded work as you talk and give instruction about the correlation between the timeline and your beadwork.



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