Whether you take your students to Discovery Center or bring Discovery Center to your classroom, our educators have countless ways to enhance your curriculum, inspire your students, and bring STEM to life! Our field trips, in-person outreach, and virtual programs contain educational activities and resources for learners of all ages and are created to inspire and excite people about science.

Outreach Programs

Our Outreach Programs bring the excitement of science learning to you! Whether you are educating one small class or the entire school, we offer a wide variety of programs which meet the needs of your students, enhance your curriculum, and line up with Next Generation Science Standards Disciplinary Core Ideas.

REGISTRATION: To begin the registration process, complete the online form at www.discoverycentermuseum.org/outreach-request-form. For additional questions, you can also email outreach@discoverycentermuseum.org or call our Outreach Request Line at 815-972-2844. Our calendar fills well in advance. For the best choice of dates, please book at least 2 weeks before your planned event. Discovery Center policies may change as COVID-related CDC, state and local health guidelines evolve. Check our website or email us for the latest information.

Virtual Outreach – All new!

Discovery Center is excited to offer a brand-new interactive learning experience—Virtual Outreach! With the help of technology, Pre-K to Grade 8 students will enjoy live, interactive exploration of a STEM topic designed to spark interest in science and inspire students to learn more.

Hands-On Science

Engage your brain and immerse your hands in science with our Hands-On Classes! Whether introducing a topic, reviewing for a test, or investigating for fun, every student will be excited about learning science and beggning for more!

**Grades:** vary by topic

**Length:** 60 minutes 30 participants maximum

**Cost:** $140 ($70 for each additional class*). Travel fees may apply.

### Slime & Chemistry

**Grades:** K–8

Measure, pour, and mix real chemicals to produce reactions, investigate solids, liquids, and gases, and concoct slime!

NGSS: ETS1.ABC, PS1.AB, PS3.B

### Color and Light

**Grades:** K–8

Explore the properties of light, fool your vision, disect a rainbow, experiment with invisible light, and create your own kaleidoscope.

NGSS: ETS1.ABC, PS1.A, PS4.AB

### Fling and Wing

**Grades:** 2–6

Learn aerodynamic secrets as you assemble and launch some crazy shapes. You won’t believe these gadgets fly!

NGSS: PS2.AB, ETS1.C

### Good Vibrations

**Grades:** K–6

Get splashed by a sound, invent some wacky noise-makers, and use palm pipes to discover the connection between size and pitch.

NGSS: PS2.AB, PS4.A

**Don’t see quite what you are looking for? Contact us and our team of educators will work to meet your needs.**

Astronomy Shows

We’ll show you the moon and stars with our brand new Virtual Astronomy Shows! Presentations are tailored to your grade level and unique to this traveling program.

**Grades:** K–8

**Length:** 45 minutes up to 30 participants

**Cost:** $150 ($60 for each additional show*).

NGSS: ESS1.AB

### Navigating the Night Sky

**Grades:** 2–8

Learn how to assemble your own star wheel and how to navigate the night sky tonight! What cool things do you think you can discover if you look up?

### Greek Mythology: Ancient Stories in the Stars

**Grades:** K–8

Come listen to some very old tales and explore the world of heroes, monsters, and demi-gods hidden among the stars with these stories inspired by the classic Greek myths.

### Our Solar System

**Grades:** K–8

Take a trip through our local stellar neighborhood and get to know the planets closest to us. Learn some fun facts about the planets in our solar system, take a (safe) look at the nearest star, and find out what NASA has been up to lately.

### Our Place in the Universe

**Grades:** 2–5

This live presentation walks students through the patterns found in our night sky. Learn how to navigate the ecliptic line and where the stars go during our day time sky.

### The Captivating Chemistry Show

Solid, liquids, and gases combine to create chemical changes that look like magic. Chemistry becomes apparent using surprising reactions that create colors, fabricate foam, and explode!


### The Liquid Nitrogen Show

Excitement goes up as the temperature drops in this ultra-cold show! Witness instant phase changes and identify the differences in states of matter as they succumb to the frigid world of liquid gas!

NGSS: PS1.AB, PS3.AB

### Forces in Motion

Amazing feats come together to weave the story of Newton’s Laws of Motion in this compelling program! From collisions to physics games, this is one memorable science lesson!

NGSS: ETS1.ABC, PS2.AB, PS3.ABC

Science Shows

These dynamite demos feature experiments, investigations, and explanations woven together in a stimulating presentation.

**Grades:** K–8

**Length:** 30–45 minutes Up to 95 Computers

**Cost:** $300 ($250 additional show*).

### The Liquid Nitrogen Show

Excitement goes up as the temperature drops in this ultra-cold show! Witness instant phase changes and identify the differences in states of matter as they succumb to the frigid world of liquid gas!

NGSS: ESS1.AB

### The Captivating Chemistry Show

Solid, liquids, and gases combine to create chemical changes that look like magic. Chemistry becomes apparent using surprising reactions that create colors, fabricate foam, and explode!


### Forces in Motion

Amazing feats come together to weave the story of Newton’s Laws of Motion in this compelling program! From collisions to physics games, this is one memorable science lesson!

NGSS: ETS1.ABC, PS2.AB, PS3.ABC

* Additional program discount applies for programs of the same topic held on the same day at the same location.

** This program has a special space requirement.

*** Expanded age range available for younger participants.
**In-Person Outreach**

### Hands-On Classes

Engage your brain and immerse your hands in science with our Hands-On Classes! Whether introducing a topic, reviewing for a test, or investigating for fun, every student will be excited about learning science and begging for more!

**Grades:** vary by topic  
**Length:** 60 minutes 30 participants maximum  
**Cost:** $140 ($70 for each additional class*). Travel fees may apply.

#### Early Childhood Hands-On Classes

These hands-on experiences feature activities that allow our littlest learners to explore at their own pace with amazing materials which stimulate senses and excite minds!

**Toddler classes available upon request.**

**Grades:** Pre-K  
**Length:** 30-45 minutes 20 participants maximum  
**Cost:** $110 ($50 for each additional class*)  
Travel fees may apply.

#### Slime & Chemistry

**Grades:** K-8  
Measure, pour, and mix real chemicals to produce reactions, investigate solids, liquids, and gases, and concoct slime!  
**NGSS:** ETS1.ABC, PS1.AB, PS3.B

#### Magnetic Attractions

**Grade:** 3  
Test to see what sticks, measure magnetic strength, and construct a magnetic contraption.  
**NGSS:** PS2.AB, ETS1.AC

#### Engineering Challenge

**Grades:** 3-8  
Design and construct your own parachute to safely descend your person without crashing onto the floor.  
**NGSS:** ETS1.ABC, PS2.AB, PS3.AB

#### Color and Light

**Grades:** K-8  
Explore the properties of light, fool your vision, dissect a rainbow, experiment with invisible light, and create your own kaleidoscope.  
**NGSS:** ETS1.ABC, PS1.A, PS4.AB

### Science Carts

Roll science right into your classroom to maximize student participation and discussion!

**Grades:** 1-8  
**Length:** 45 minutes 30 participants maximum  
**Cost:** $140 ($60 for each additional class*)  
Travel fees may apply.

#### Weather Cart

Witness the water cycle and see how this process leads to sun and storms! Instant clouds and touchable lightning unlock the complex phenomena of weather!  
**NGSS:** ESS2.CD, ESS3.B, PS1.AB, PS3.AB

#### Electricity Cart **

Explore where our electricity comes from. Generate and transmit energy, and delight* in static electricity.  
**NGSS:** ETS1.ABC, PS2.B, PS3.AB  
**Sponsored by** ComEd

#### Sounds of Science

Get splashed by a sound, invent some wacky noise-makers, and use pipes to discover the connection between size and pitch.  
**NGSS:** PS2.AB, PS4.A

#### Simple Machines **

**Grades:** 2-8  
Discover how simple machines give you a mechanical advantage and get the scoop on force and motion by learning about simple machines hidden in the items around you!  
**NGSS:** ETS1.ABC, PS2.AB, PS3.AC

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Don’t see quite what you are looking for? Contact us and our team of educators will work to meet your needs.

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*Additional program discount applies for programs of the same topic held on the same day at the same location.

**This program has a special space requirement.

***Expanded age range available for younger participants.
**Assembly Programs**

These dynamite demos feature experiments, investigations, and explanations woven together in a stimulating presentation.

**Grades:** K–8  
**Length:** 30–45 minutes  
**Participants:** Capacity subject to local health department social distancing guidelines.  
**Cost:** $300 ($250 additional show*). Travel fees may apply.

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**The Liquid Nitrogen Show**

Excitement goes up as the temperature drops in this ultra-cold show! Witness instant phase changes and identify the differences in states of matter as they succumb to the frigid world of liquid gas!

NGSS: PS1.AB, PS3.AB

**The Captivating Chemistry Show**

Solids, liquids, and gases combine to create chemical changes that look like magic. Chemistry becomes apparent using surprising reactions that create colors, fabricate foam, and explode!


**Forces in Motion**

Amazing feats come together to weave the story of Newton’s Laws of Motion in this compelling program! From collisions to physics games, this is one memorable science lesson!

NGSS: ETS1.ABC, PS2.AB, PS3.ABC

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**Afterschool Enrichment / Science Club Activities**

We bring the excitement of science learning to you! Our active programs provide all materials plus playful engagement for your students and family groups. Choose from these topics for hands-on science fun!

**Grades:** Varies by topic  
**Length:** 45–60 minutes;  
**Participants:** 30 maximum  
**Cost:** $140 ($70 each additional program*). Travel fees may apply.

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**Blast Off**

**Grades:** 1–6  
Explore forces and motion with these paper rockets that launch using air power, and fly so far they hit the gym wall!

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**Build It Bigger**

**Grades:** K–6  
Put together everyday objects and special materials to create bridges and towering structures.

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**Fling and Wing**

**Grades:** 2–6  
Learn aerodynamic secrets as you assemble and launch some crazy shapes. You won’t believe these gadgets fly!

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**Good Vibrations**

**Grades:** K–6  
Get splashed by a sound, invent some wacky noise-makers, and use palm pipes to discover the connection between size and pitch.

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**Engineering Adventure**

Grades K–8  
Design and construct your own parachute to safely descend your person without crashing onto the floor.

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**Family Fun Programs**

You provide tables and volunteers; we bring everything else! Ideal for schools, libraries, and community centers, these hands-on sessions feature activity stations of experiments, games, math, science, and make-and-take projects designed to engage and interest all ages!

**6–10 stations**  
**Length:** 60–90 minutes  
**Participants:** Capacity subject to local health department social distancing guidelines.  
**Cost:** $400; Travel fees may apply.

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**Outer Space**

Launch a rocket, explore an exoplanet, and space out in the Solar System! Take on an engineering challenge by designing a spacecraft, a Mars rover, or a lunar base.


**Whoosh**

Experiment and play with the amazing properties of air! Create flying contraptions, fold a kite that can fly inside, launch a rocket, and more!

NGSS: ETS1.ABC, PS1.A, PS2.AB, PS3.AB

**Fun & Games**

Play games from around the world, create a mosaic masterpiece, fashion an intricate design, create 3-D shapes and more. Shhh: don’t tell them it’s math!

NGSS: ETS1.ABC, PS1.AB

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**Little Scientists**

Manipulate magnets, compare colors, and fool with physics! Explore the world through activities designed for families with children grades PreK–2.


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*Additional program discount applies for programs of the same topic held on the same day at the same location.  
**This program has a special space requirement.  
***Expanded age range available for younger participants.
Fantastic Field Trips

Our interactive exhibits provide valuable hands-on experiences that match your curriculum and align with Next Generation Science Standards. The thrill of exploration and discovery is built into every one of our 300 hands-on science and arts exhibits located inside Discovery Center and outside in our Rock River Discovery Park. Students can investigate the human body, experiment with power and electricity, learn about the science behind their favorite sports, explore color and light, delve into the science of farming, experience the power of simple machines, touch a tornado, fly a jet, drive a combine, and so much more. Visit Discovery Center Museum and teach a lesson your students won’t forget!


Length: approximately 2 hours (longer for add-on programs)
Basic Field Trip Cost: $5 per student or chaperone (all school staff members are free)

Discovery Center field trip policies may change as COVID-related CDC, state and local health guidelines evolve. Check our website or email us for the latest information. Masks and social distancing will be required for students, teachers and chaperones. We want to keep everyone safe!

RESERVATIONS: To begin the registration process, complete the online form at www.discoverycentermuseum.org/group-visit-request-form. For additional questions, you can also email fieldtrip@discoverycentermuseum.org. For the best choice of dates, please book at least 2 weeks before your planned visit.

Programs to Enhance Your Field Trip

STEM Labs
Add on to your visit and focus your students on a science theme. Each engaging workshop features activities, investigations and demonstrations that match your curriculum goals and reinforce science concepts.

Length: 45 minutes  Cost: $55/class up to 30 students

Space Engineering
Grades: 2-6
Discover space science and get hands-on to see how gravity works in space. Land safely on the surface of a foreign world and engineer a space rover!
NGSS: PS3.A, ETS1.ABC, ESS1.A

Simple Machines (Demo Version)
Grades: 2-8
Discover how simple machines give you a mechanical advantage and get the scoop on force and motion by learning about simple machines hidden in the items around you!
NGSS: PS2.AB, PS3.C

Color and Light
Grades: K-8
Explore the properties of light, fool your vision, dissect a rainbow, experiment with invisible light, and create your own kaleidoscope.
NGSS: ETS1.ABC, PS1.A, PS4.AB

Wild Weather
Grades: K-3
Witness the water cycle and see how this process leads to sun and storms! Instant clouds and touchable lightning unlock the complex phenomena of weather!

Don't see quite what you are looking for? Contact us and our team of educators will work to meet your needs.

SLIME & CHEMISTRY
Grades: K-8
Measure, pour, and mix real chemicals to produce reactions, investigate solids, liquids, and gases, and concoct slime!
NGSS: ETS1.ABC, PS1.AB, PS3.B

Human Body Cart
Grades: K-8
Explore digestive, respiratory, and circulatory systems of the human body! See real lungs inflate, hang out with Mr. Guts, get your heart pumping, and more!
NGSS: LS1.AD, LS2.B

Robot Rendezvous
Grades: 3-5
Design bots and compile code as your students put their problem-solving skills to the test with our robots.
NGSS: 3-5-ETS1-1; ETS1-2; ETS1-3

Cost:

Dates: February 6–May 16
Cost: Additional costs may apply
Grades: K-8

Hot Wheels™: Race to Win™
To design, build, and test the fastest and safest speed machines, race teams use their skills in science, technology, engineering, and math. Learn how racing teams design full-size cars and tracks for both speed and safety. Become part of a dynamic racing team working together using the scientific process to build and test the fastest and safest cars and tracks on the planet.

FREE LESSONS OPTION!
In advance of a field trip, we will send you lessons suitable for grades 3-5 or 6-8 that encourage inquiry and STEM learning through play and hands-on activities matched to Next Generation Science Standards. The lessons are designed to complement the Hot Wheels™: Race to Win™ exhibit. Lessons cover how physical forces influence the distance and speed cars can travel; how the concept of aerodynamics directly relates to design and influences the speed and distance cars can move; and how the physical science concepts of friction, speed, gravity, potential energy, and kinetic energy are used to design and test track layouts. Please note that schools will need to provide their own Hot Wheels cars, several lengths of track and connectors, and several 3-speed launchers.

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# Discovery Center Education Options and Pricing

<table>
<thead>
<tr>
<th>Program</th>
<th>Group Size Limit</th>
<th>Fees</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>Slime &amp; Chemistry</td>
<td>30</td>
<td>$140 / $70</td>
<td>K–8</td>
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<td>95 computers</td>
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<td>K–8</td>
</tr>
</tbody>
</table>

### Virtual Outreach

#### Hands-On Science (Travel Fees Apply*)

- Slime & Chemistry: 30, $140 / $70, K–8
- Color & Light: 30, $140 / $70, K–8
- Fling & Wing: 30, $140 / $70, 2–6
- Good Vibrations: 30, $140 / $70, K–8

*We will waive travel fee if school will pick up materials for program(s).*

For questions:
- outreach@discoverycentermuseum.org
- call 815-972-2844

### Astronomy Shows

- Navigating the Night Sky: 30, $150 / $60, 2–8

### Science Shows

- Liquid Nitrogen: 95 computers, $300 / $250, K–8
- Captivating Chemistry: 95 computers, $300 / $250, K–8
- Forces in Motion: 95 computers, $300 / $250, K–8

### In-Person Outreach

#### Hands-On Classes

- Slime & Chemistry: 30, $140 / $70, K–8
- Magnetic Attractions: 30, $140 / $70, 3
- Engineering Challenge: 30, $140 / $70, 3–8
- Color & Light: 30, $140 / $70, K–8
- Balancing Act: 20, $110 / $50, Pre-K
- We Can Build It: 20, $110 / $50, Pre-K

#### Early Childhood

- Rainbow of Colors: 20, $110 / $50, Pre-K
- Shapes and Patterns: 20, $110 / $50, Pre-K
- Weather Cart: 30, $140 / $60, 1–8
- Electricity Cart: 30, $140 / $60, 1–8
- Sounds of Science: 30, $140 / $60, 1–8
- Simple Machines: 30, $140 / $60, 2–8

#### Science Carts

- Liquid Nitrogen: 150, $300 / $250, K–8
- Captivating Chemistry: 150, $300 / $250, K–8
- Forces in Motion: 150, $300 / $250, K–8

#### Assembly

- Blast Off: 30, $140 / $70, 1–6
- Build It Bigger: 30, $140 / $70, K–6
- Fling & Wing: 30, $140 / $70, 2–6
- Good Vibrations: 30, $140 / $70, K–6
- Engineering Adventure: 30, $140 / $70, K–6

#### Science Club

- Outer Space: 300, $400
- Whoosh: 300, $400
- Fun & Games: 300, $400
- Little Scientists: 300, $400, Pre-K–2

### Museum Visits

**Regular Field Trip**

- 50, $5 / person

#### Add Ons*•

- Space Engineering: 30, $55, 2–6
- Simple Machines: 30, $55, 2–8
- Color & Light: 30, $55, K–8
- Wild Weather: 30, $55, K–3
- Slime & Chemistry: 30, $55, K–8
- Human Body: 30, $55, K–8
- Robot Rendezvous: 30, $55, 3–5

*Group size may need to be smaller based on classroom space limitations.

### Museum Visits

**Hot Wheels™: Race to Win™**

- 50, Extra fee may apply, K–8

*For questions:
- outreach@discoverycentermuseum.org
- call 815-972-2844

For questions:
- fieldtrip@discoverycentermuseum.org
- call 815-972-2826

To start the reservation process:
- www.discoverycentermuseum.org/education/stem-outreach/outreach-request-form
- www.discoverycentermuseum.org/group-visit-request-form