



Virtual and On-Site

2021 – 2022

# Field Trip & Program Guide



1 Discovery Way  
Toledo, Ohio 43604  
41° 39'N 83° 32'W  
419-244-2674  
[imaginationstationtoledo.org](http://imaginationstationtoledo.org)

#### Hours:

Tuesday – Saturday: 10am – 5pm  
Sunday: Noon – 5pm  
Closed on Mondays\*

\*Visit us online for exceptions.

All Curriculum is aligned to  
Ohio's Learning Standards.  
Find more information and  
resources in the Educators  
section of the Programs &  
Events menu online at  
[imaginationstationtoledo.org](http://imaginationstationtoledo.org).

Program Offerings by Grade Level		Pre K-K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Exhibit Guides	Early Childhood	■												
	Eat It Up!				■	■	■	■	■	■				
	Energy Factory				■	■	■	■	■	■				
	Grow U				■	■	■	■	■	■				
	Home/Classroom Energy Audit								■			■		
Demonstrations	Combustion				■	■	■	■	■	■	■	■		
	Matter Mayhem		■	■	■	■	■	■	■	■	■			
	Method to the Madness	■	■	■	■	■	■	■	■	■				
	Motion Mania		■	■	■	■	■	■	■	■	■	■		
	Sounds of Science		■	■	■	■	■	■	■	■	■	■		
Think Tank Workshops	Blinky Badges							■	■	■				
	Electrodough				■	■	■	■	■	■				
	Eye Opener							■	■	■				
	Jitter Critters				■	■	■	■	■	■				
	Marble Machines	■	■	■	■	■	■	■	■	■				
	Owl Pellet Dissection	■	■	■	■	■	■	■	■	■				
Science Festivals	Energy Festival	■	■	■	■	■	■	■	■	■	■	■		
	Forces and Motion	■	■	■	■	■	■	■	■	■	■	■		
	Structures	■	■	■	■	■	■	■	■	■	■	■		
Workshops on Wheels	Chemistry				■	■	■	■	■	■				
	Circuits				■	■			■					
	Engineering Design			■	■	■	■	■	■	■				
	Extreme Science Demonstration	■	■	■	■	■	■	■	■	■	■	■	■	
	Fossils Rock!	■	■	■	■	■	■							
	Genetics	■			■									
	Marble Machines	■	■	■	■	■	■	■	■	■				
	Sounds of Science	■	■	■										
	Pre-School Workshops on Wheels	■												
	STARLAB®				■	■	■	■	■	■				
	Tricky Trajectory							■	■	■				
	Owl Pellet Dissection	■	■		■	■	■			■				
Virtual Field Trips	Weather	■												
	States of Matter		■											
	Forces and Motion			■			■							
	Energy				■									
	Fossils					■								
Virtual Workshops on Wheels	The Science of Sound!	■												
	Habitats		■											
	Weather			■										
	Genetics				■									
	Papertronics					■								
	Owl Pellet Dissection						■							

# Let's get back at it!

The 2021–2022 school year promises to be a memorable one. As each district, building, classroom and student looks to adopt a new normal, Imagination Station wants to support you in every way we can. That's why our focus is on flexibility. We know that some students will be able to visit Imagination Station this school year and experience all the hands-on learning that our building has to offer. Others will be able to have partners in for workshops and festivals, but not be able to travel. And some classrooms will only be able to experience Imagination Station virtually.

# And it's all ok!

**We are open, operating and ready to meet all your on-site field trip needs.**

Be sure to allow time to experience our NEW KeyBank Discovery Theater.

This 8,200-square foot addition to Imagination Station redefines film engagement with a unique, immersive experience on a 58-foot wide, 4K screen. This is something you don't want your students to miss.

Visit [imaginationstationtoledo.org](http://imaginationstationtoledo.org) for the latest films showing.

**If you can't come to us—we can come to you!** Our one-hour workshops offer experiences that are hard to replicate in the classroom. Plus, we bring the mess AND we clean it up. Scheduling is easy and you'll be amazed with all the topics we can cover.

**If virtual is the best option for you, we are still offering all of the virtual field trips and workshops that were available in the 2020–2021 school year.**

Using whatever virtual platform works best for you, we can connect to your class and keep your students engaged and learning. In fact, many teachers rated a virtual experience from Imagination Station the highlight of their 2020–2021 school year.

**Call today, talk to one of our Reservation Specialists and let's bring SCIENCE back into your classroom—whatever that looks like for you!**

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## Thank you

to our past Adopt-a-School supporters, and educational and virtual program partners

### Premiere:



### Presenting:



### Catalyst:



Elsie and Harry Baumker  
Charitable Foundation



### Explorer:



### Patron:

France Stone Foundation  
Waite Brand Foundation

Since its inception, the Adopt-a-School program has fueled the imaginations of more than 52,900 students in Northwest Ohio and Southeast Michigan.





# Learning Worlds

Our Learning Worlds focus on specific content to help structure your field trip experience. Whether you're teaching your class about earth science, energy conservation, engineering or healthy habits, our Learning Worlds offer unlimited opportunities for exploration.



## Eat It Up!

Eat It Up!, a highly interactive exhibition focused on nutrition and exercise, illustrates how the choices your students make today affect their bodies. Get your students' hearts pumping as they take on the Wheel of Fire and the Heart Rate Rally, Smash Your Food to smithereens and literally Get in the Action. Eat Smart. Play Hard. Have Fun. The choice is yours!

## Energy Factory

Energy Factory offers students a glimpse into the world of oil refining and solar power. Students can manipulate the energy output of a photovoltaic wall, compete against their friends using sunlight, program a robotic arm and command a kid-friendly oil refinery.

## Grow U

Grow U celebrates the world of agriculture and farming! Take your students' farm knowledge to a whole new level and be the next contestant on FARM 101: Know It to Grow It! This interactive game show takes your students on an entertaining and educational journey from field to table. Grow U also features several interactive exhibits that offer both a local and global perspective on agriculture in the 21st century.

## IDEA Lab

IDEA Lab inspires students to light it up, send it soaring, take it apart, make it spin, race it faster and create something great! Explore science, art, engineering and design as you construct robots, build marble races and wire circuits. Each experience is designed to foster critical 21st century skills like creativity, problem solving, persistence and innovation while promoting the idea that learning is fun!

You can add value to the experience by scheduling one of our Think Tank workshops that promotes these same core skills, all while addressing specific learning standards. See page 9 for workshop descriptions.

## Little KIDSPACE

Little KIDSPACE invites our littlest adventurers, kindergarten age and younger, to hop aboard a fire truck, shop in the Market or climb their favorite tree house, all while learning about forces, motion, math and life science.

## Mind Zone

Mind Zone is home to the Distorted Gravity Room, one of our visitors' favorite exhibits. Mind Zone helps your students discover how the mind processes, interprets and creates illusions and perceptions. You won't believe what you see.

## Water Works

Water Works is an entire Learning World devoted to the slippery science of water and dedicated to exploring nature's most powerful resource. Our water and erosion tables, giant water vortex and fascinating weather exhibits, including the Hurricane Chamber, are sure to delight inquisitive minds at any age.

## Special Attractions

### Flight: The Sky's the Limit

Take your students' learning to new heights. Students will hop into the cockpit of a Saab 340 and test their aviation skills. While flying the friendly skies, they'll learn about the science of flight and many of the dynamic and varied STEAM careers in aviation.

### Simulator Theater

OVER THE EDGE!

\$2 per person • 42" height requirement

Experience an exhilarating journey as you dodge snow-covered trees on a mountainside, balance on the edge of a cliff, outrun an avalanche of boulders and careen down an abandoned mine shaft.

Eat It Up! presented by:



Energy Factory presented by:



Grow U presented by:



IDEA Lab presented by:  
Science Society

Programmatic Support  
provided by:



Supported by:



Zenith Foundation

Flight presented by:



Simulator Theater presented by:

TAYLOR AUTOMOTIVE FAMILY



LOCALLY OWNED. LOCALLY COMMITTED



### Little Kidspace

*Age 5 and younger*

Your littlest explorers will learn about forces, motion, math and life science in this guide designed around our safe and friendly Little KIDSPACE.

### Eat It Up!

*Grades 3-5 and 6-8*

This guide helps your students commit to making healthy choices in their lives. Students learn how much fat, salt and oil is contained in some of their favorite foods. They also explore how the heart is a muscle and what they need to do every day to keep it healthy.

### Energy Factory

*Grades 3-5 and 6-8*

Send your class on an energy exploration as they learn about energy production and conservation. Students will discover more about renewable and non-renewable energy sources in this engaging guide.

### Grow U

*Grades 3-5 and 6-8*

Raise your students' agricultural IQ! This guide encourages your students to become scientists as they observe bees, study water drainage and get excited about agriculture in an interactive game show.

### Home/Classroom Energy Audit

*Grades 7 and 10*

Help your students better understand the importance of saving energy at home and school with these engaging guides.

# Exhibit Guides

Our exhibit guides were created with the assistance of area K–12 educators, and will help structure a field trip that aligns directly to the concepts you are teaching in the classroom. These guides, available online, include student data recording pages, chaperone instructions and a post-visit activity to complete back in the classroom.

Eat It Up! presented by:  
 PROMEDICA

Energy Factory presented by:  
 bp  
 First Solar

Grow U presented by:  
 The Andersons





# Demonstrations

Our Extreme Science Stage features daily interactive demonstrations that explore fundamental science concepts with an exciting, **EXTREME** twist.



## **Combustion**

### **Grades 3-10**

Stand back for this explosive presentation! Students learn what creates combustion and the importance of fire safety. Your students have never seen a demonstration like this!

## **Matter Mayhem**

### **Grades 1-9**

Explore solids, liquids and gases like never before! Using liquid nitrogen, this demonstration gives a comprehensive overview of the phase changes. See water freeze before your eyes, witness the explosive power of evaporation and discover how “cool” condensation can be.

## **Method to the Madness**

### **Grades Pre K-8**

Observe water defy gravity, be amazed as metal sparks and be awed by the incredible abilities of a liquid  $-320^{\circ}\text{F}$ . This demonstration will inform your students about the importance of good observation and following the scientific method.

## **Motion Mania**

### **Grades 1-10**

Discover Newton's Three Laws of Motion at their most entertaining. Your students will have a blast as they learn about force, momentum and acceleration.

## **Sounds of Science**

### **Grades Pre K-10**

Discover sound through some unconventional noise-makers. This demonstration makes cups squeak and rods scream. “See” sound as water jumps and lasers bounce—all in the name of science.

**Reserve the science center  
exclusively for your group.**

*Fall 2021 through the beginning of 2022*

Reservations will ensure that no other groups book their visit on your day. There are minimum requirements to book and a Reservation Specialist can assist with all your field trip needs. Please be sure to book now to ensure we have your date available!

# KeyBank Discovery Theater

Visit Imagination Station's brand new KeyBank Discovery Theater and provide your students the opportunity to experience a film as they never have before. This 8,200-square foot addition to the science center redefines film engagement with a unique, immersive experience. Select your film from the available shows and times (always check our website for the latest updates) and have a larger-than-life experience on our expansive, 58-foot wide, 4K screen.





## Now Showing!



### Hidden Pacific

Journey to the far reaches of the Pacific Ocean, where blue-green islands, atolls and coral reefs are thriving, largely untouched by humans. Featuring never-before-seen footage of these remarkable places, enjoy the splendor of these pristine environments and gain a better understanding of their important role in safeguarding our planet.

Educational resources are available on-line for this film. *Hidden Pacific* provides an ideal platform to discuss important concepts focused on marine ecosystem interactions. Learn more about the history of marine national monuments in the Pacific Ocean, atoll formation, coral reef communities and human impacts.

### Teacher's Choice!

Include one of our educational films with your experience, and you can select the movie your students view. Call a Reservation Specialist today to reserve your film.

*Only select time slots are available.*



### Superpower Dogs

Experience the life-saving superpowers and extraordinary bravery of some of the world's most amazing dogs in *Superpower Dogs*. In this inspiring true story narrated by Chris Evans, our best friends are also real-life superheroes. Journey around the globe to meet remarkable dogs who save lives and discover the powerful bond they share with their human partners.

Educational resources are available on-line for this film. There is still so much we don't know about our best friends, but we can learn by observing the dogs in our neighborhood or our homes. This guide's activities will inspire a whole new set of questions and more people will see their pets in a new light all thanks to *Superpower Dogs*.

**Student Cost:** \$5.50 per participant

*Please note all films are subject to change. Check our website or call a Reservation Specialist for the latest show schedule.*

## Math Moves!

Now – January 17, 2022

The science center's latest traveling exhibit uses a variety of hands-on activities to make experimenting with concepts at the heart of math memorable and fun. It encourages visitors to use their minds, their bodies and their imaginations to investigate basic math ideas and find their meaning and relevance. It also draws upon the power of teamwork, using partner activity and conversation to advance mathematical understanding.

*An educator guide for Math Moves is available online.*





# Think Tank Workshops

Take your students' learning to another level! Our 45-minute Think Tank Workshops address specific content that can be difficult to teach in the classroom – dissect a cow's eye and get hands-on with the food web. These workshops offer structured curriculum and skill building during your field trip. Call our Reservation Specialists today to find out how to meet your students' learning goals during one of our exciting programs. We guarantee it will be the highlight of your visit!



**Blinky Badges\*****Grades 6 – 8**

Soldering is one of the most fundamental skills needed to dabble in the world of electronics. Your students will create their own light-up badge with real soldering equipment in a safe, supervised and fun environment. With this simple skill a whole new world of electronic tinkering is opened.

*\*\$2 extra (every student takes home their Blinky Badge)*

**Electrodough****Grades 3-8**

Flour and water aren't just for baking cakes. Learn about electrical circuits with play dough. Your students are the electricians and the inventors. Play dough is an approachable way to teach even the youngest learners about circuits by creating dough models that light up!

**Eye Opener: Cow Eye Dissection****Grades 6-8**

Take your students' understanding of biology to a new level by exploring the eye of a cow! Through the technique of dissection, they'll examine the wonders of the cow's interior eye. Walk away with an understanding of the difference between the vitreous humor and aqueous humor... and a new perspective on how we see the world around us.

**Jitter Critters****Grades 3-8**

Design a creature, then learn how to use a motor to get your creation moving. Your students will teach their critter to dance and doodle, slide and shake in a way that's all their own as they learn about electronics, engineering and design.

**Marble Machines****Grades K-8**

Can you speed it up? Can you slow it down? Can you change its direction? Using everyday materials, students will engineer their own pathways for marbles and try to successfully meet our design parameters as they get hands-on with the engineering design process.

**Owl Pellet Dissection****Grades K-8**

Be part of science research and have a hoot as your students learn about owls and their environments. This workshop gets hands-on with the food web. Identify bones and collect data to help researchers learn more about owl habitats across the country. Your class can become honorary citizen scientists!

**Student Cost:** \$5 per participant

*For details and reservations, call 419-244-2674 ext.250.*





# Science Festivals

## **Imagination Station comes to your school!**

Students have the opportunity to be scientists with 12 hands-on activities. Day or night, get students and parents excited about science. Festivals include materials aligned to Ohio and Michigan learning standards.



## Energy Festival

### Grades Pre K-10

Students will be electrified as they learn all about types of energy and energy transfer. They will explore circuits, thermal energy, conductors, insulators and potential and kinetic energy. Experiments will also highlight wind power and sound energy!

## Forces and Motion

### Grades Pre K-10

Forces, motion, engineering... oh my! Students will explore Newton's Three Laws of Motion and the Engineering Design Process as they experiment with magnets, rockets and creating a machine that will transport a marble.

## Structures

### Grades Pre K-10

Students will become structural engineers as they explore how science and math combine to create amazing architecture. Old favorites such as creating earthquake resistant homes, Roman arches and geodesic domes are combined with the new challenges of creating wind proof towers and bridges out of an unusual material. This festival will have your students building big!

### We provide:

- Materials for 12 interactive science activities
- Teacher curriculum guide
- Content standards alignment for Ohio and Michigan
- Data recording pages for each student
- "What I Did Today" take-home sheets
- Post-visit extension activities
- In-school marketing materials and support
- Volunteer recruitment letter
- Trained educators who provide support throughout the event
- 30-minute training for teachers and adult volunteers prior to the start of the event

### Your school provides:

- 15 committed adult volunteers to actively facilitate activities
- A large, open room, such as a cafeteria or gymnasium
- 12 tables
- 2 garbage bins
- Recycling bin

### Cost:

\$1,000 for groups of up to 300 participants, plus \$.60/mile outside Lucas County.

*For details and reservations, call 419-244-2674 ext. 134.*

**Please note:** Reservations should be made at least two weeks prior to a scheduled program.

# Workshop on Wheels

## **The science center comes to your classroom!**

We make learning easy with all the materials needed for one hour of exciting hands-on learning. As your partner in science education, we will provide all the pre- and post-activities to make a larger impact and give you more time for lesson planning. Chemistry, physics, earth and space science...you name it – we have a program!





## Chemistry

### Grades 3-8

Chemistry has never been so interesting. Students will discover substances with strange and surprising properties. They will explore the differences between chemical and physical changes while experimenting with film canister rockets and endothermic and exothermic reactions.

## Circuits

### Grades 3, 4, 7

Students will experiment with electricity as they discover materials that are conductors and insulators. Then they will go a step further and explore simple, parallel and series circuits and see energy transform from one form to another right in front of their eyes!

## Engineering Design

### Grades 2-8

During this workshop, students will confront challenges as they design and build. Utilizing the engineering design process (Think It. Build It. Test It... Do It Again!), your class will think like engineers and see the creative and dynamic side of this important field.

## Fossils Rock!

### Grades K-5

Let your students travel back in time using scientific inquiry to discover the world of dinosaurs. During this workshop, students will become paleontologists and dig for artifacts to learn how scientists study creatures that disappeared 65 million years ago.

## Genetics

### Grades K, 3

Every living creature is made up of DNA! In this workshop, students will explore how genetics affect us. They will learn about the resemblances between offspring and their parents, as well as dominant and recessive traits.

## Marble Machines

### Grades K – 8

Innovate and explore the creative, fun side of motion. Turn funnels, tubes, clothespins and dowel rods into a creative marble run as students change the motion of a marble through zigzags, twists, turns and loops.

## Sounds of Science

### Grades K – 2

Experiment and investigate with vibrations and sound. Students will see and feel sound vibrations, hear loud versus soft volumes and pitch changes and create some unconventional noisemakers.

## Tricky Trajectory

### Grades 6 – 8

Discover the forces of flight: lift, drag, thrust and weight. Students will design flying machines and explore direction, magnitude and different types of potential energy.

## Owl Pellet Dissection

### Grades K – 8

Be part of science research and have a 'hoot' as your students learn about owls and their environments. This workshop gets hands-on with the food web. Identify bones and collect data to learn more about owl diets and digestion.

### We provide:

- Teacher curriculum guide
- Pre-visit activity
- Hands-on materials for 30 students
- Post-visit extension activity
- Content standards alignment for Ohio and Michigan

### Cost:

\$375 for two of the same workshops, plus \$.60/mile outside Lucas County or \$200 for an individual workshop, plus \$.60/mile outside Lucas County.

*For details and reservations, call 419-244-2674 ext. 134.*

**Please note:** Reservations should be made at least two weeks prior to a scheduled program.

# Pre-School Workshop on Wheels

## We come to your school or day care!

It's never too early to begin experimenting with science. Don't miss this special programming for our littlest audience. We provide 45 minutes of instruction on a range of different topics guaranteed to engage your budding scientists!



## **STARLAB®** Our Place in Space

### **Grades 3-8**

Your students will be amazed once they've entered our portable planetarium. STARLAB® allows students to study the night sky without leaving school. They'll gain a new understanding of the stars in our galaxy and learn the stories that made some stars famous.

### **Your school provides:**

- A room large enough to accommodate the STARLAB®, which is 16ft. in diameter and 11ft. in height. (A gymnasium works best.)
- One adult to be present with the facilitator at all times in the STARLAB®.

### **STARLAB® Cost:**

\$325 for one hour of programming,  
plus \$.60/mile outside Lucas County.

For details and reservations, call 419-244-2674 ext.134.



### Actions and Motions

Your students will learn how things move using textures and friction.

### Colors

Your young scientists will experiment with color mixing through chemical reactions and light tables.

### Little Big Dig

Young paleontologists will explore dinosaurs, create fossils and learn how real paleontologists excavate fossils.

### Mining for Magnets

Students will explore the invisible force of magnetic fields as they push and pull their way through the discovery of magnets.

### Your Five Senses

Kids will discover how their senses can help them gather information about the world around them.

### Weather

Young meteorologists will learn about different types of weather through experimentation and demonstration—including seeing a cloud form in front of their eyes!

### We provide:

- Teacher curriculum guide
- Pre-visit activity
- Hands-on materials for 30 students
- Post-visit extension activity
- Content standards alignment for Ohio and Michigan

### Cost:

\$375 for two of the same workshops, plus \$.60/mile outside Lucas County or \$200 for an individual workshop, plus \$.60/mile outside Lucas County.

*For details and reservations, call 419-244-2674 ext.134.*

**Please note:** Reservations should be made at least two weeks prior to a scheduled program.

## Extreme Science Demonstrations

### Grades Pre K-12

This assembly-style presentation is 45 minutes and explores fundamental science concepts with an exciting extreme twist! Water defies gravity, metal sparks and a liquid that is - 320° F displays incredible abilities. The content is appropriate for a wide range of ages and grade levels.

### Cost:

\$325 for 45 minutes of programming, plus \$.60/mile outside Lucas County.

*For details and reservations, call 419-244-2674 ext.134.*





# Virtual Field Trips

We're changing the way your class can experience the science center and going virtual! Discover how the BOYO uses different kinds of energy to propel you in the air and learn about the science behind the uniquely disorienting Gravity Room. Utilizing exhibits in the science center, students will unlock the fascinating science behind exhibits related to the program topic with an Extreme Scientist as their guide.



## Weather

### Grades K

Your little scientists will tune in to see a cloud form right before their eyes! Our Extreme Scientists will inspire them by using liquid nitrogen to demonstrate how exciting weather can be.

## States of Matter

### Grades 1

Solids... liquids... gasses... plasmas! Matter makes up our entire universe. Understanding the different states of matter and how they change will give your students inspiration to pursue science even further.

## Forces and Motion

### Grades 2

From gravity to friction, our world would be very different if we didn't understand fundamental forces and their impact. Whether a student wants to be a rocket scientist or figure skater, it's important to understand the science behind the way we move.

## Energy

### Grades 3

Everything requires energy, from music to lightning. This standard-driven demonstration will showcase how fundamental and exciting energy can be. You'll be surprised at how heat, sound and electricity will grab a student's attention.

## Fossils

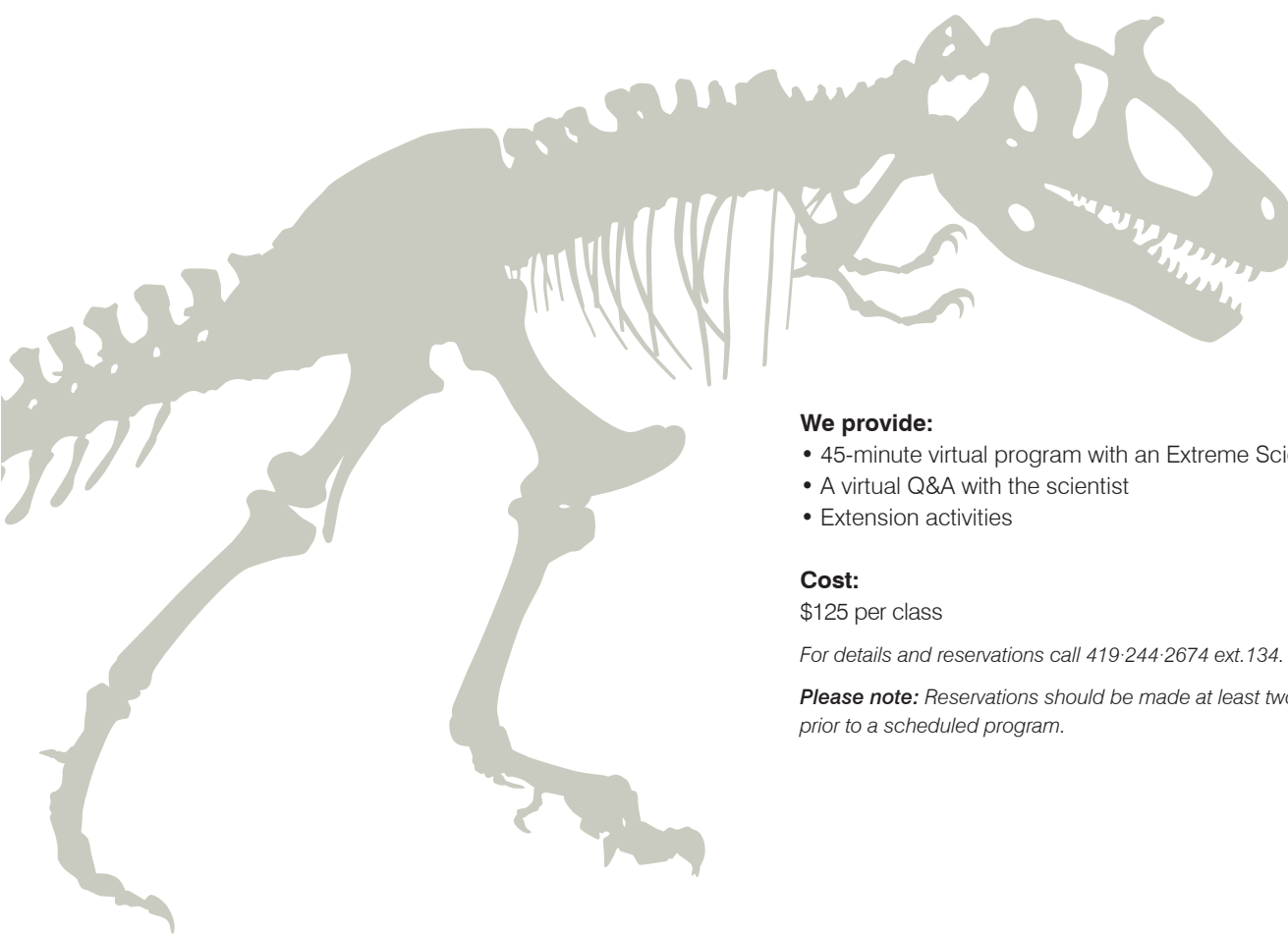
### Grades 4

Are your students fascinated by dinosaurs...who isn't? Let them explore Imagination Station's collection of fossils to inspire them to study the organisms of the past. Take a closer look at *T.Rex* bones and gigantic footprints in a demonstration your students won't forget.

## Forces and Motion

### Grades 5

The world around us is full of motion, from gusts of winds to the blood moving through our bodies. In order for something to move, it requires force. Forces and motion are some of the most important things in our lives. Explore the relationship between force, mass and speed and how each influences the way we move.



#### We provide:

- 45-minute virtual program with an Extreme Scientist
- A virtual Q&A with the scientist
- Extension activities

#### Cost:

\$125 per class

*For details and reservations call 419-244-2674 ext.134.*

**Please note:** Reservations should be made at least two weeks prior to a scheduled program.

# Virtual Workshop on Wheels

Whether you're in a socially distant classroom or virtual, we'll bring exciting, hands-on learning to you. During each Virtual Workshop on Wheels program, one of our Extreme Scientists will video conference into your classroom for a science demonstration to get students actively engaged and then guide your class through the entire workshop. We are open to whatever technology services your school approves for the virtual interaction. Choose from these great topics!





## The Science of Sound!

### Grades K

Pluck.... Plink .... Pop! Sound is all around us and if you stop to listen carefully, it can teach budding scientists even more about the world around them. Our Extreme Scientists will get little ones thinking differently about sound through vibrant visuals and easy to understand examples of how sound works. Through activities like creating their own musical instruments, students will learn how manipulating everyday materials can give them a drastically different outcome.

## Habitats

### Grades 1

All living organisms need a place to call home, but what's good for one isn't always good for another. In this workshop, our Extreme Scientists will explore the habitats of different creatures and showcase what each needs to survive, from cockroaches and humans to other animals and plants. Your students will also get up-close views of adaptations that animals and plants have to survive in their environment—even performing a seed dissection!

## Weather

### Grades 2

Discover the fascinating and often unpredictable world of meteorology! Understanding the weather is the best way to introduce your students to the wonderful world of science. Meteorology requires careful observation, pattern recognition, and the use of scientific tools making this program perfect for little scientists. Along with providing everything you'll need for students to build an anemometer, our extreme scientists will create a cloud right before their (virtual) eyes.

## Genetics

### Grades 3

Why do children look like their parents? It's all because of genetics! Let Imagination Station help students understand how it works by extracting the DNA from a strawberry to show the raw material that makes up all of our individual characteristics. Your students will compare if they can roll their tongues, bend their thumbs backward and many other phenotypes (visual genetic differences). They can even take the activity home and extend the experiment further by testing their family members.

## Papertronics

### Grades 4

Circuits make up our phones, computers and maybe even one day our clothes! Give your students a head start with the help of an Extreme Scientist. Through a step-by-step virtual demonstration, your class will learn how to complete a circuit before creating their own circuit-based project: an electronic greeting card! Whether it's through beautiful art or a corny joke, every personality will find joy in doing this science project.

## Owl Pellet Dissection

### Grades 5

Students will have a 'hoot' learning about owls and their environments! Discovering how different organisms interact with each other in the food web and its importance in our world is critical for our future scientists to understand. Then it's time to get hands-on with an owl pellet dissection. Identify bones and collect data to learn more about owl diets and digestion.

### We provide:

- Classroom kits with supplies for one workshop
- One topic for each grade level
- Live virtual conversation with an Imagination Station Extreme Scientist
- Short, engaging demonstration
- Content standards alignment for Ohio and Michigan

### Cost:

\$150/classroom

*For details and reservations call 419-244-2674 ext.134.*

**Please note:** Reservations should be made at least two weeks prior to a scheduled program.

# Thank You, Educators!

Imagination Station has always known that educators are superheroes. However, teachers' swift and effective response to these extraordinary times has confirmed they are truly rock stars. As an educational partner, we are here to support teachers as we all move forward. Call us anytime; we are full of great ideas to teach science in the classroom. Below are some of our educator resources. Just one way we say 'thank you' for all you do!

## Free Admission

With proper identification, educators receive FREE admission to Imagination Station every day.

## Discover.ed Digital Newsletter

Our newsletter lets educators know what is going on at Imagination Station and includes great hands-on activities for the classroom. Email [imaginationstationtoledo.org](mailto:imaginationstationtoledo.org) to get this valuable resource in your inbox.

## Science2GO!

Look no further than our gift shop for science materials, kits and student incentives. Educators save 10% on all Science2GO! purchases with proper identification.

## Membership

We offer special membership pricing for one of our favorite visitors – educators! With proper identification, receive 10% off an Imagination Station membership.

## Online Resources

We're not shy about sharing our knowledge – it's what community partners do! All of our demonstrations and activities at Imagination Station have supplemental resources and curriculum for your classroom, and we've put it all online at [imaginationstationtoledo.org/education-resources/](http://imaginationstationtoledo.org/education-resources/)

## Activities

Need an idea for a hands-on activity that demonstrates a non-Newtonian fluid? We have an Ooblek activity that will teach your students this concept while having an ooey-gooney good time! Visit [imaginationstationtoledo.org](http://imaginationstationtoledo.org) to discover this activity and many more.

## Exhibit Guides

Exhibit Guides are also available for our Learning Worlds so you can get the greatest educational benefit for your students from this field trip.

## Curriculum Standards

All Imagination Station curriculum is aligned to the new Ohio and Michigan Standards, making a visit to or from Imagination Station an extension of your classroom learning experience. You can find those standards and how they align to our exhibits and demonstrations online as well.

## Demonstration Videos

Our EXTREME Scientists have fun each week doing demonstrations (that sometimes get messy!) with the news anchors in local TV studios or out in the field. If you want to give your students a flavor of what to expect in a demonstration, or to introduce them to a science concept you will be covering in the classroom, we have archived some of our past episodes online on our YouTube Channel at [youtube.com/user/ImaginationStationOH](http://youtube.com/user/ImaginationStationOH).

## Prep4Ed

Imagination Station provides this FREE virtual workshop for all educators interested in learning more about the science center. This program will empower you with inside knowledge of the exhibits and familiarize you with all our educator resources. Chaperones are welcome!

### 2021 Prep4Ed dates:

Tuesday, October 5  
Tuesday, November 9  
Tuesday, December 7

### 2022 Prep4Ed dates:

Tuesday, January 11  
Tuesday, February 1  
Tuesday, March 1  
Tuesday, April 5  
Tuesday, May 3

*All sessions run from 4–pm. Reservations are required.  
To reserve your space, call 419-244-2674 ext.250.*



# Reserve Today!

Field Trips	Rates*
Lucas County School Group Rate	\$7.00
Non-Lucas County School Group Rate	\$8.00
Certified Teachers with proper ID	FREE
Think Tank Workshops	\$5.00
Simulator Theater Ride	\$2.00
KeyBank Discovery Theater	\$5.50

Outreach	Rates**
Science Festivals up to 300 participants	\$1,000
Workshop on Wheels	\$200/each \$375/2 of the same
Pre-School Workshop on Wheels	\$200/each \$375/2 of the same
Extreme Science Demonstrations	\$325
STARLAB®	\$325

\*\*+\$.60/mile outside Lucas County

Virtual Programs	Rates*
Virtual Field Trips	\$125
Virtual Workshop on Wheels	\$150

\*Prices subject to change

## Field Trip Group Rate Eligibility:

- Minimum 15 paying visitors (excluding certified teachers).
- Make reservations more than two weeks in advance and pay a 10% deposit.
- Final payment is due upon check-in. We accept checks and credit cards (MasterCard, Visa or Discover).
- Meet the ratio of 7:1 children to adult chaperones (chaperones must be at least 18 years old and no longer in high school).

**Regular rates apply to those who plan to pay on arrival and those who do not have a confirmed reservation number.**

## Box lunches

Box lunches are available for field trips from Barry Bagels.

**Orders must be placed and paid in full at least two weeks prior to your visit.**

## Adopt-A-School

We know many schools are unable to afford a field trip or outreach program. Our Adopt-a-School program offers qualifying schools access to Imagination Station. This opportunity is made possible by the generous support of corporations and foundations.

Interested in applying? Visit [imaginationstationtoledo.org/education-resources/adopt-a-school/](http://imaginationstationtoledo.org/education-resources/adopt-a-school/)

To reserve a field trip,  
call 419-244-2674 ext.250  
or visit us online at  
**[imaginationstationtoledo.org](http://imaginationstationtoledo.org)**.



Non-Profit Org.  
U.S. Postage  
PAID  
Toledo, OH  
Permit No. 248

1 Discovery Way  
Toledo, Ohio 43604  
41° 39'N 83° 32'W  
419-244-2674  
[imaginationstationtoledo.org](http://imaginationstationtoledo.org)

#### COVID Concerns?

The safety of you and your students is of the utmost importance to us. That's why we have COVID protocols in place to protect everyone who visits the science center. We uphold these safety protocols when we are out in the community as well. Visit [imaginationstationtoledo.org/visit/reopening-responsibly/](http://imaginationstationtoledo.org/visit/reopening-responsibly/) to review our latest safety precautions.

# Coming Soon

## We're taking MAKING on the road!

We're rolling up our sleeves and creating a new mobile experience for classrooms. We're outfitting a van as a fully equipped travelling makerspace that will be ready in Winter 2022 to visit your classroom. Using real technology including laser cutters, 3D printers, laptops and vinyl cutters, we are developing meaningful, standards-aligned programming to inspire your students to gain confidence in STEAM content, collaborate with their peers and express their creativity. These programs are designed to create a digital fabrication space anywhere – a classroom, gym, library, you name it!

Programs and pricing will be available in Winter 2022.  
If you have any questions about the program, please email  
Sloan Eberly Mann at [smann@istscience.org](mailto:smann@istscience.org).

