

Discovery
Space &
The Rivet

EDUCATION GUIDE

2026



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GENERAL INFO

Discovery Space is a dynamic science center and makerspace designed to ignite curiosity and imagination with hands-on learning. Our programs can be booked in advance for school groups, community groups, scout troops, pods, homeschoolers, and more.

Field trips to the science center, recommended for preK-8th grade, offer groups a fantastic opportunity to explore our wide range of 45+ interactive exhibits that explore STEAM through play and experimentation. Features of the science center gallery include The Hive, Sound and Vibration Room, The Railroad, and our Marine Life Center. We recommend at least 75 minutes of free exploration time in the gallery.

Enhance your visit to the science center with an educational program led by our team of educators—program offerings begin on page 7. Programs are available in three formats: In-person at Discovery Space (IP), as Outreach Programs to your school or location (O), or as Virtual Programs (V) via Zoom. Details on the formats can found on pages 4-6.

The Rivet, is our makerspace tailored for teens and adults. Rivet programs are divided into skill-building workshops for those looking to get a head start on career and trade skills, as well as makerspace programs that blend fabrication and STEAM concepts. Rivet programs are available In-person (IP) or as Outreach (O).

Curious about additional offerings?

While this guide highlights programs for preK-12, we offer programs for learners of all ages. For more information about the programs in this guide or other inquiries, please email us at Education@DiscoverySpace.org.





Field Trips


SCIENCE CENTER POLICIES



Field Trip Reservation Policies

- Field trips must be scheduled in advance for groups of 10 to 115 children.
- Field trips can arrive as early as 9:00 AM and are offered Monday through Friday. Field trips may also stay after closing hours during the academic year.
- One teacher/chaperone is required for every 10 children, with a minimum of 2 chaperones per group.
- One teacher/chaperone is admitted free for every 5 children. Additional teachers/chaperones can join for \$6 each.
- Students must be supervised by their teachers or group leaders at all times.
- Discovery Space staff may take photos during your visit. If you prefer not to have photos taken, please let us know in advance.

Group Rates & Payment Policies

- A group rate of \$6.00 per student is offered.
 - Small groups (under 10 students) are admitted at a flat \$50.00.
 - A non-refundable deposit is required: \$75.00 for groups up to 50 students and \$125.00 for groups over 50. The deposit must be paid before your visit.
 - You can add an educational program and/or lunch rental for additional fees.
 - Educational programs are detailed on pages 3-12. Programs start at \$5.00 per student, with prices varying by program.
 - Lunch facilities (for up to 50 students) are available for \$35 per 30 minutes. Multiple lunch sessions can be arranged.
 - Accepted payment methods are check or credit card.
 - Please make checks or money orders payable to:
 - Discovery Space, 1224 N. Atherton Street, State College, PA 16803. Include the designated name for your visit in the memo line.
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SCIENCE CENTER POLICIES CONT.



Busing and Parking Policies

- Please arrive within 15 minutes of your schedule. If you will be later we ask that you give us a call at 814-234-0200.
- Upon arrival, please have the total number of students and chaperones in your group ready. The group leader should check in with Discovery Space Staff before unloading the bus.
- Buses can drop students off at the front entrance of the science center. Drivers can enter the exhibit area at no charge.
- Buses can park onsite on Monday and Tuesday. We ask they park between the utility poles. An alternative parking site is available Wednesday through Friday.

Property Care & Responsibility

We ask that all visiting groups help us take care of our exhibits, classrooms, and facilities during their visit. Normal wear is expected, but in the rare case that excessive or preventable damage occurs to our property or exhibits, the visiting group may be held responsible for repair or replacement costs.

Cancellations

In the event of a cancellation of your visit your deposit will be transferable to an alternative date provided you schedule within a year of your original visit.

In event we need to cancel a visit due to unforeseen circumstances you may reschedule without restrictions and at your convenience provided availability of the date.

Science Center

IN-PERSON PROGRAMS

Education programs are offered as extensions for your visit or as stand-alone experiences. Programs are tailored to the recommended age groups but can be adapted to mixed age groups. Programs are aligned with the STEELs Standards or the Pennsylvania Early Learning Standards. Price varies by program and number of students.



In-Person Program Reservation Policies

- Program topics cover a wide range of STEM subjects.
- Programs are 30-60 minutes long, depending on age and content, and include time for student questions.
- Programs begin with an introduction before moving into hands-on activities.
- Most programs include a take-home project. These can be stored at the front desk for the rest of your visit.
- Students must be supervised by teachers, group leaders, or parents at all times.
- Science Center educators reserve the right to stop a program if student behavior is inappropriate.
- Discovery Space staff may take photos during your visit. Please inform us in advance if you prefer not to have photos taken.

Rates & Payment Policies

- Prices generally start at \$5.00 per student, with some programs requiring an additional materials fee.
- Teachers/chaperones are expected to be present during the program and assist with classroom management.
- A non-refundable deposit is required: \$75.00 for groups up to 50 students and \$125.00 for groups over 50. This deposit must be paid before your visit.
- Accepted payment methods are check or credit card.
- Please make checks or money orders payable to:
 - Discovery Space, 1224 N. Atherton Street, State College, PA 16803. Include the designated name for your program on the memo line.



Science Center



OUTREACH PROGRAMS

Let us bring the science to you! Many of our programs can be delivered directly to your school or location. We can tailor our offerings to suit large-scale events and serve 26 counties across Pennsylvania.

Outreach Reservation Policies

- Programs are 30-60 minutes in length depending upon student questions.
- Repeat programs can be booked back-to-back to accommodate larger groups.
- Please provide specific location of program and any additional information the Science Educator will need related to parking, entry door, or check-in.
- Science Educators will work with you to communicate specific set-up needs for the program (electricity, table, sink, etc).
- Teachers/Group Leaders are required to stay in the room with Science Educators at all times, as Science Educators are not responsible for behavior management.
- Science Educators reserve the right to stop a program at any time if student behavior is inappropriate.

Rates & Payment Policies

- \$115.00 per program for up to 18 students. Repeat programs offered at 20% off.
- Travel fees may apply for locations over 10 miles away one-way.
 - 10-15 miles one-way: \$10.00
 - 15-20 miles one-way: \$20.00
 - 21+ miles: 85 ¢ /mile rounded to nearest dollar.
- Payment is due prior to the visit. Non-refundable.
- Additional fees may apply for materials for specific programs only.
- Acceptable forms of payment are check or credit card.
- Please make checks or money orders payable to: Discovery Space, 1224 N. Atherton Street, State College, PA 16803. You will be provided with a designated name for your booking. Please include the designated name for your program on the memo line.





Science Center



VIRTUAL PROGRAMS

A selection of our programs work well in a virtual format. If materials are needed, our team will arrange to deliver or ship what you need at an additional fee.

Virtual Program Reservation Policies

- All of our Virtual Programs are conducted via Zoom and last between 35-50 minutes. They are facilitated live, in real time, by a Science Educator. Time is allocated at the end of each program for student questions.
- Please ensure you have a working Zoom account set up prior to the class. It is the responsibility of the school or site to troubleshoot any technical issues.
- If you experience technical difficulties with visibility or audio during the program, we reserve the right to reschedule once the issues are resolved.
- The Zoom link will be sent with your email confirmation. Please treat the Zoom program as you would a regular class. Disruptive behavior or talking over the Science Educator may result in the program ending early.

Rates & Payment Policies

- \$75.00 flat fee, with a 10% discount for back-to-back repeat programs.
- A \$60.00 non-refundable deposit is required at the time of booking.
- Additional fees may apply for delivery or shipping of program materials.
- Accepted payment methods are check or credit card.
- Please make checks or money orders payable to:
 - Discovery Space, 1224 N. Atherton Street, State College, PA 16803. You will be provided with a designated name for your booking. Please include this designated name on the memo line of your payment.

Science Center Programs

PREK, AGES 3-5

IP = In-person Program at Discovery Space

O = Outreach Program to your School/Location

Program	Duration	Description	Standards	Offered
What to Do with Goo?	30 mins	The story of Billy Bloo! Why slime is so sticky and goeey and what do you do with that goo?	3.2 PK.A.1 3.2 PK.A.3 3.2 PK.A.6	IP, O
It's Alive!	30 mins	Join us on an investigation of living and nonliving things with up-close looks at our animal artifacts.	3.1 PK.A.1 3.1 PK.A.2 3.1 PK.A.5	IP, O
Head in the Clouds	30 mins	Learn how clouds are formed in the atmosphere and what happens when a clouds become saturated.	3.3 PK.A.5	IP, O
Rainbow Remix	30 mins	Paint, fold, and splatter as we follow the words of Herve Tullet as we explore how to create new colors and hues	3.2 PK.A.1 3.5 PK.N 9.1.V PK.B	IP, O

Science Center Programs

GRADES K-1, AGES 5-7

All programs are 45mins to 1 hour. Includes discussion time.

IP = In-person Program at Discovery Space

O = Outreach Program to your School/Location

V = Virtual Program

Program Title	Description	Standards	Delivery Method
Chemistry 101	Our most popular field trip! Use chemistry to make slime and experiment with it to learn a grade appropriate scientific principle.	3.2.2.A 3.2.2.D	IP, O, V
Colorful Chromatography	Watch science in action as we use capillary action to separate chemicals and learn how plants use the same principle to move water up their stems.	3.2.2.A 3.2.2.C	IP, O
Dino Discovery!	Unearth the secrets hidden underneath the ground. Pick up the tools of a paleontologist and help uncover the identity of the hidden fossil.	3.1.3.E 3.3.2.A	IP, O
Inspired by Nature	A look at how the natural world inspires innovation in architecture, fashion, technology and more. An up close look at our animal artifacts.	3.1.3.G 3.1.4.A 3.5.3-5.Z 3.5.3-5.GG	IP, O
Showtime Sunshine!	A investigation into the day/night cycle and how shadows are made.	3.3.1.A 3.3.1.B 3.3.K.A	IP, O

Science Center Programs

GRADES 2-4, AGES 7-10

Program Title	Description	Standards	Delivery Method
Chemistry 101	Our most popular field trip! Use chemistry to make slime and experiment with it to learn a grade appropriate scientific principle.	3.2.5.A 3.2.5.E 3.5.3-5.W	IP, O, V
Colorful Chromatography	Watch science in action as we use capillary action to separate chemicals and learn how plants use the same principle to move water up their stems.	3.2.5.B 3.2.5.C	IP, O
It's Electric!	Discover the difference between conductors and insulators as you build a closed circuit using unconventional materials.	3.2.3.C 3.2.4.B	IP, O
Launch into Science	Use the engineering design process to construct a catapult! Design, Build, Test, Improve!	3.2.3.A 3.2.4.A 3.5.3-5.M	IP, O, V
Out of This Galaxy!	Learn more about the planets that make up our Solar System and the distant stars we observe at night.	3.3.5.A 3.3.5.B	IP, O, V
Playing with Polarity	Learn the pushes and pulls of magnets. How we observe the magnetic field, the difference between ferro and paramagnetic items, and how electricity and magnetism are related.	3.2.3.C 3.2.3.D	IP, O
Young Aquarist* (30 min, 10 max) Flat \$50.00	A behind the scenes, private tour of our Marine Life Center. Join our Marine Educator as they outline the ins and outs of aquarium maintenance. Run a water chemistry test, observe a feeding, and make a marine inspired creation.	3.1.4.A 3.1.4.B 3.3.5.F 3.4.3-5.A	IP Only

*Subject to marine educators availability. Feedings occur on a set schedule and may not align with your visit. The health and safety of the animals comes first and visits may be subject to change due to emergencies.

Science Center Programs

GRADES 5-8, AGES 10-14

Program Title	Description	Standards	Delivery Method
Ocean Acidification	Chemical reactions are at your fingertips as we discover acids, bases, and how they combine. Then, apply your new knowledge to help our changing oceans.	3.1.6-8.1 3.3.6-8.N	IP, O, V
Frog Dissection*	Discover the fascinating anatomy of a frog as you pair up to explore its structure and function in this hands-on dissection activity!	3.1.6-8.C	IP, O
Making Waves	Working in groups of 2 or 3, use Hummingbird Bit Kits and computer programming to learn how motor-driven periodic motion creates waves and how the properties of waves relate to the motion.	3.2.6-8.Q	IP, O
Up in the Atmosphere	What's happening in the sky above us everyday? Learn how to interpret weather maps and the conditions for common atmospheric occurrences.	3.3.1.B. 3.3.K.A	IP, O, V
Young Aquarist**	A behind the scenes, private tour of our Marine Life Center. Join our Marine Educator as they outline the ins and outs of aquarium maintenance. Run a water chemistry test, observe a feeding, and make a marine inspired creation.	3.1.4.A 3.1.4.B 3.3.5.F 3.4.3-5.A	IP Only

*Frog dissections start at \$65.00 for up to 10 students, \$5.00 each additional student. We recommend students be ages 10 or up to participate.

** Young Aquarist program costs \$50 for a 30 min program for up to 10 students, max.

MIXED AGE GROUPS

For mixed age groups we are happy to recommend programs specifically designed to allow older children to learn alongside younger children.

Science Center Programs

ASSEMBLY PROGRAMS

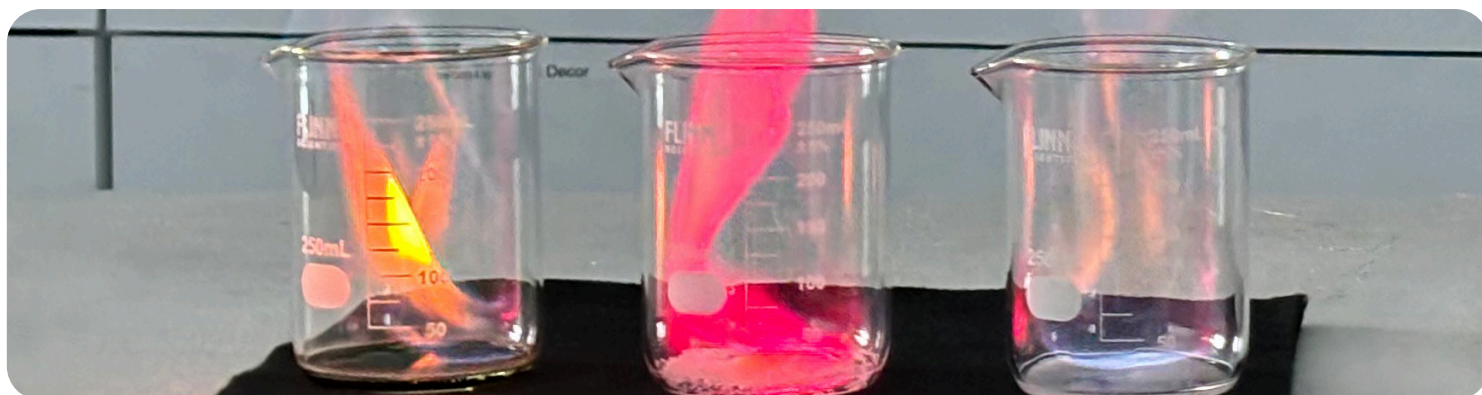
Assembly programs are an in-depth look at specific topics with live demonstrations performed by one of our educators to better illustrate scientific principles. Best suited for grades 3-5.

Program Title	Description	Standards	Delivery Method	Venue Requirements
Chemistry Unleashed!	It's Elementary friends! Learn how you can harness the power of chemistry to transform ordinary into the extraordinary before your eyes!	3.2.2.A 3.2.2.C 3.2.2.D 3.2.5.E 3.2.3-12.A	IP, O	2 x 4-6" tables, sink access HDMI Compatible screen preferred

Assembly programs are designed for large groups and are primarily demonstration-based with some audience volunteer opportunities.

Assembly programs are approximately forty-five minutes and we need thirty minutes to set up materials and equipment. Due to the nature of certain experiments we do enforce a minimum safe distance to ensure the safety of our educator and your students.

Assembly programs are \$150.00 for up to 150 students, space permitting. Back to back programs may be requested, same day repeat program offered at a discounted rate of \$130.00. Applicable travel fees for outreach assemblies.



Science Center Programs

GIRLS SCOUTS OF THE USA

Programs we currently offer along with their associated badges are listed below. Instructions and projects differ based on grade level requirements. Mixed groups are possible; please let us know how many of each grade will be attending. Price includes up to an hour of additional free exploration on the exhibit floor.

Journey	Levels	Delivery Method	Cost
Space Science	Daises Brownies Juniors Cadettes	IP, O	\$10 Hold + \$10/ scout
Think Like a Citizen Scientist	Daises Brownies Juniors Cadettes	IP, O	\$10 Hold + \$10/ scout
Think Like an Engineer	Daises Brownies Juniors Cadettes	IP, O	\$10 Hold + \$10/ scout
Think Like a Programmer	Daises Brownies Juniors Cadettes	IP, O	\$10 Hold + \$10/ scout



Science Center Programs

SCOUTING AMERICA

Scout troops are encouraged to arrange events with Discovery Space. Programs are curated to meet specific merit badge requirements for Cub Scouts. Price includes up to an hour of additional free exploration on the exhibit floor.

Cub Scouts	Merit Badge	Delivery Method	Cost
Lions	Gizmo and Gadgets	IP, O	\$10 Hold + \$8/scout
Tiger	Designed by Tiger	IP, O	\$10 Hold + \$8/scout
	Sky is the Limit		
Wolf	Code of the Wolf	IP, O	\$10 Hold + \$8/scout
	Digging in the Past		
	Germs Alive		
Bear	Forensics	IP, O	\$10 Hold + \$8/scout
	Marble Madness	IP	
	Super Science	IP, O	\$10 Hold + \$8/scout
Webelos	Build It	IP	\$10 Hold + \$8/scout
	Earth Rocks	IP, O	



THE RIVET POLICIES

The Rivet is our in-house makerspace, featuring programming for students aged 8+ looking to develop new skills through project-based learning.

Makerspace programs integrate STEM concepts and focus on learning techniques and equipment through guided projects.



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- Workshops are held in-person at the Rivet only. Makerspace programs are offered in-person and may be offered as outreach programs as well.
 - For in-person workshops and programs we primarily schedule M-F 9am-12pm. Please let us know if you would prefer an alternate time slot.
 - Maximum participant numbers, length of instruction, and required deposit (for materials costs) vary by program.
 - On the day of your program, please arrive at your scheduled time. Call us if you anticipate arriving more than 10 minutes late.
 - Students must be supervised by their teachers/group leaders/parents at all times.
 - Staff reserve the right to stop a program at any time if student behavior is inappropriate.
 - Email Education@DiscoverySpace.org with questions and inquiries.

Reservations & Payment Policies

- Programs vary in structure and cost. Please see descriptions below for full details.
- Programs should be reserved at least 3 weeks in advance to allow adequate time to prepare materials.
- Acceptable forms of payment are check or credit card.
- Please make checks or money orders payable to: Discovery Space, 1224 N. Atherton Street, State College, PA 16803. You will be provided with a designated name for your booking. Please include the designated name for your program on the memo line.



POLICIES CONT.



Makerspace Expectations

Before entering the makerspace we ask all participants are dressed appropriately for the workshop: This includes:

- Closed toed shoes
- Long hair tied back
- Loose clothing and dangling jewelry are not permitted. You may use storage lockers on onsite if needed.
- We may require Personal Protective Equipment (PPE) for certain equipment and materials. This must be wore properly when required.

The Rivet reserves the right to refuse participation to individuals not prepared for the space.

Community Agreement

Part of ensuring creativity thrives in our space is a shared agreement between our staff, members, volunteers, and visitors such as school groups. We ask all that visit the makerspace exercise:

- **Responsible Tool Use:** Improper use or mishandling of a tool may result in injury to yourself or another or damage to the tool. Normal wear is expected, but if excessive or preventable damage occurs to our property or exhibits, the visiting group may be held responsible for repair or replacement costs.
- **Follow Safety Guidelines:** Prioritize safety in all activities. Focus on the tool in use, be mindful of your surroundings, and supports other in safe practices.
- **Free of distractions:** We ask that cell phones and smart watches are put away during operations as distractions can lead to injuries to yourself or others.

Cancellations

In the event of a cancellation of your visit your deposit will be transferable to an alternative date provided you schedule within a year of your original visit.

In event we need to cancel a visit due to unforeseen circumstances you may reschedule without restrictions and at your convenience provided availability of the date.



MAKERSPACE PROGRAMS

Program Title	Description	Age	Class Size	Cost	Delivery Method
Automotive Engineering	Use the engineering design process to build the fastest car using recycled, everyday materials. Apply what you learn about kinetic energy and forces to improve it! 60 minutes	9+	15	\$120.00 up to 10 students, \$5.00 each additional student	IP
5-in-1 Handheld Game	Learn the basics of circuitry and how electricity flows. After dive into make a light up name badge and solder a classic handheld game. 2 hours	8+	4-12	\$40.00/student	IP
Wooden Bird Houses	Birds play an important role in our ecosystem. Learn about the needs of birds within their habitat and learn basic woodworking skills. Leave with your own bird house. 3 hours	11+	4-8	\$45.00/student	IP
Sound and Wave	Learn about the physics of sound, as demonstrated by the simple kazoo. Students will construct a wooden kazoo from pre-cut pieces and leave ready to create music. 1 hour	8+	5-15	\$12.00/student	IP, O
Eco-Resin Casting	Learn about the chemistry and material properties of eco-resin. Students will experience the full cycle of molding with Jesmonite, leaving with their creation. 2 hour	11+	4-12	\$30/student	IP



PROJECT-READY WORKSHOPS

Program Title	Description -	Age	Class Size	Cost per student
Digital Design and 3D Printing	<p>Each student will design a 3D model, using TinkerCAD (grades 3-8) or Blender (grades 9-12). Students will prepare their model for 3D printing and learn how to operate our in-house Bambu printers. Prints will be ready for pickup at a later date.</p> <p>*Please note that due to the software necessary for a successful program, this is not offered for a mixed-aged group.*</p> <p>2 hours</p>	<p>9-14 15-18</p>	4-8	\$40.00/student
Serving Trays	<p>Students will assemble and customize a wooden tray made of hardwood and cabinet handles. Students will be able to add designs by using wood burning tools. A final finish of food-safe oil will be applied.</p> <p>90 minutes</p>	12+	4-8	\$30.00/student
Fused Glass Creations	<p>Students will create a colorful creation using glass fusing techniques. Pieces will be ready for pickup at The Rivet the following week.</p> <p>1 hour</p>	11+	4-12	\$40.00/student
Luminaries	<p>Light up your creativity! In this 90-minute session, students will assemble a wooden lantern and learn basic wiring techniques to make it shine.</p> <p>90 minutes</p>	12+	4-16	\$25.00/student



CAREER-READY WORKSHOPS

Program Title	Description -	Age	Class Size	Cost per student
Build a Wall	Gain practical skills you can use for life! This hands-on class walks you through building a wall from start to finish, covering project planning, essential tools, and fundamental construction techniques—great for DIY projects or even exploring a future career path. 3 hours	15+	4-8	\$45/student
Blender Buildings	Learn the basics of Blender, an open-source 3D modeling program. Use those skills to measure and recreate a 3D printed building. 3 hours	15+	4-8	\$60/student



The Rivet offers workforce development and technical education classes along with a myriad of artistic and creative design project courses. See TheRivet.org for full information about our workshop and available equipment.

New Rivet programs are being added all the time as we introduce new instructors and develop unique classes. If you don't see something that you were hoping for, reach out TheRivet@DiscoverySpace.org to inquire. We may have something great in the works that will meet your needs!



**THANK
YOU**

DiscoverySpace.org
TheRivet.org



814.234.0200



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State College, PA 16803

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