



BAKKEN
MUSEUM

2023-2024 OUTREACH PROGRAMS



Inspiring a passion for innovation
to make the world a better place.

OUTREACH PROGRAMS

FROM THE BAKKEN MUSEUM



The Bakken Museum's education programs encourage curious minds to explore interactive programs and experiences designed to inspire engagement with science and innovation. The museum provides over **1,250 programs** to over **44,700 individuals** each year. See how you can get involved!



ASSEMBLIES & RESIDENCIES

A chance to experience the drama of science and theater together in your gym, auditorium, or cafeteria. Make connections, explore the intersection of history and science, and build on your current curriculum.



WORKSHOPS

Let us WOW you with STEM experiences! Bakken Museum Educators will bring exciting workshops right to your schoolroom. Workshops vary from 30 to 60 minutes in length.



STEM INSPIRATION STATIONS

You provide the volunteers, we'll provide the activities! A Bakken Museum educator will bring materials and train your team to facilitate experiments and challenges. Choose from a variety of activities to meet your theme and audience.

Programs are designed by age group ranging from 2 years to adult and vary in time from 30 minute programs to five-day residencies.

BOOK YOUR NEXT EVENT

TO BOOK, email Outreach Programs Manager, Siri Hellerman at hellerman@thebakken.org. Please include potential dates and times along with your location and contact info (name, phone, and email).

Additional Details: We do charge for miles outside of the metro area. If your site falls outside of that range, we will charge \$2/mile. There must be one adult present for the entirety of any Bakken Museum program.



LIGHTS ON: EXPLORING ELECTRICITY FOR EARLY CHILDHOOD

Help Moby the Mouse find her way when all the lights go out! Beyond this story, groups will get a chance to learn a song, play a game, and experiment with circuits specially designed to help young explorers make connections of their own.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room, a chair for the educator, and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Ages 2-5	25-30 Minutes	Min 10, Max 30	\$150 for the first program, \$80 for any additional programs at the same location on the same day

CAN YOU HEAR ME NOW? THE SCIENCE OF SOUND

Students will learn about sound vibrations and how they travel through different mediums. This interactive workshop will use hands-on learning to entertain and educate students about the science of sound.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room, a chair for the educator, and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades K-1	45 Minutes	Min 10, Max 30	\$180 for the first program, \$90 for any additional programs at the same location on the same day

BITTY BEES: A BEES CODE FOR EARLY LEARNERS

The short version of our intro to coding class intended for young innovators. Bobby B. is a very busy honey bee who has a lot to do and needs some help! This whimsical and very hands-on program is not only a fun way to learn about how important bees are to us as pollinators but also great introduction to concepts in coding, measurement, and creative problem solving as a group, laying the important groundwork for more complicated STEM concepts students will encounter in their future learning.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room, a chair for the educator, and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Ages 4-6	25-30 Minutes	Min 10, Max 24	\$150 for the first program, \$80 for any additional programs at the same location on the same day

A BEE'S CODE

Bobby B. is a very busy honey bee who has a lot to do and needs some help! This whimsical and very hands-on program is not only a fun way to learn about how important bees are to us as pollinators but also great introduction to concepts in coding, measurement, and creative problem solving as a group, laying the important groundwork for more complicated STEM concepts students will encounter in their future learning.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room, a chair for the educator, and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades K-2	50-60 Minutes	Min 10, Max 30	\$220 for the first program, \$120 for any additional programs at the same location on the same day

BATTERIES, BULBS, AND WIRES

After a simple primer on circuits, students get a giant pile of—you guessed it—batteries, light bulbs, wires and fun gadgets. The challenge? to build anything and everything from the simplest of circuits to complex creations. Easily scalable for any level, this is the perfect blend of circuitry and inquiry to leave students wired for discovery. Please note, this workshop focuses more on exploration and less on explanation, so the educator will spend more time working with small groups than presenting content.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades K-5	50-60 Minutes	Min 10, Max 30	\$220 for the first program, \$120 for any additional programs at the same location on the same day



MINI-MAGNETS

While designed for students who are just beginning their exploration of magnetism, this program can be interesting and fun for any students working to discover what magnets have to offer. Our educator will take students through concepts such as attract & repel and magnetic poles using experiments, games, and demonstrations sure to pull all types of learners into the fun.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades K-2	25-30 Minutes	Min 10, Max 30	\$150 for the first program, \$80 for any additional programs at the same location on the same day

FEEL THE FORCE

A full hour of discovery and exploration of forces that can attract and repel for younger groups to experience electricity and magnetism. Students will be wowed by some of our most popular static electricity experiments and demonstrations and engage in small group inquiry and games with magnets.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors and it is not available from May through September due to higher humidity levels.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades K-2	50-60 Minutes	Min 10, Max 30	\$220 for the first program, \$120 for any additional programs at the same location on the same day

STATIC ELECTRICITY

A Bakken instructor will lead your students through a number of experiments where they will get to experience static electricity first hand. This engaging and energizing presentation has a hands-on focus allowing students to learn about electricity by experiencing its effects, asking questions, and creating their own experiments to try, leaving the students excited to learn more about science.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors and it is not available from May through September due to higher humidity levels.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-6	50-60 Minutes	Min 10, Max 35	\$220 for the first program, \$120 for any additional programs at the same location on the same day

COLOR ME CURIOUS

Radiant reds, bright blues, and plush purples are all around us. But where do these colors come from? In this 60-minute workshop, learn about the history and science of natural colorants, get familiar with pH as a chemical property of substances, and explore how scientific knowledge can inform the art humans make. Using colorants and chemical solutions, students will produce a beautiful palette of colors that they will use to create their own water color masterpiece.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-5	60 Minutes	Min 10, Max 30	\$240 for the first program, \$140 for any additional programs at the same location on the same day

MAGNETS AND ELECTRICITY

Students will discover the interaction between magnetism and electricity through hands-on experiments and demonstrations. This entertaining workshop allows students an opportunity to explore a robust collection of magnets and magnetic forces as well as the mechanics and use of electromagnets. Bakken educators will introduce participants to current-day innovators who are still discovering new ways to understand magnets and electricity today.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-6	50-60 Minutes	Min 10, Max 30	\$220 for the first program, \$120 for any additional programs at the same location on the same day

ENERGY

Explore energy, its different forms, the ways it changes, and how we use it. Students will experiment with how electricity can be generated and think like innovators as they engage with small concepts and big ideas that illustrate the role that energy will play in our lives now and in the future.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-6	50-60 Minutes	Min 10, Max 30	\$220 for the first program, \$120 for any additional programs at the same location on the same day

NANO, NANO: THE SCIENCE OF SMALL

The nano world may be tiny, but it still wows students as they discover the differences in how small objects behave and explore ideas behind some of today's cutting-edge science. Students see demos and try group-based experiments to reveal some small discoveries with big implications.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-6	50-60 Minutes	Min 10, Max 30	\$240 for the first program, \$140 for any additional programs at the same location on the same day

FROGS, VOLTS, AND VINEGAR: FROGS, VOLTS, AND VINEGAR: ENGINEERING ELECTRICITY FROM PAST TO PRESENT

Alessandro Volta may have invented the battery over 200 years ago, but his invention is just as useful today and still provides some very entertaining experiments. Through his story, students experiment with batteries to power simple devices and explore the innovation process for themselves.

Room Requirements: Our educators will set up 15 minutes before the program. A table at the front of the room and ample space for students to work in small groups on the floor. We will also need access to a trash can. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 4-8	50-60 Minutes	Min 10, Max 30	\$240 for the first program, \$140 for any additional programs at the same location on the same day



WAR OF THE CURRENTS

Thomas Edison, Nikola Tesla, and the story of their feud provide a gateway into learning about the science, engineering, and history of electricity and how we generate it. This show engages students in thinking about this tricky topic through interactive storytelling, humor, and some very exciting demonstrations including a finale that will leave students feeling energized about science.

Room Requirements: Our educators will set up 30 minutes before the program and the room must be cleared of visitors and furniture prior to setup. For the show we will need a large open room with a 20' x 10' x 10' space for our stage and enough space remaining for students to be seated comfortably on the floor. This needs to be a space that can also be made dark very easily (rooms with large windows or complicated light systems do not work well). We will also need an electrical outlet. Typically we perform in a gym, cafeteria, or auditorium. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-6	45 Minutes	Min 30, Max 300	\$350 for the first program, \$250 for any additional programs at the same location on the same day

SMALL STUFF, BIG DEAL

Considered to be the cutting edge of STEM research today, nanoscience explores some very little things that may have a very big impact on our lives. Engaging topics such as surface area, chemical reactions, and measurement, this funny, fast, and fiery show will invite students to explore how things behave differently when they are small.

Room Requirements: Our educators will set up 30 minutes before the program and the room must be cleared of visitors and furniture prior to setup. For the show we will need a large open room with a 20' x 10' x 10' space for our stage and enough space remaining for students to be seated comfortably on the floor. Typically we perform in a gym, cafeteria, or auditorium. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-8	45 Minutes	Min 30, Max 300	\$350 for the first program, \$250 for any additional programs at the same location on the same day



SCIENCE OF LIGHT: THE GREATEST SHOW ON EARTH

Transparent, translucent, opaque, oh my! In their quest to tell the greatest story ever told, Bakken educators and student volunteers wonder why only some materials create shadows, try experiments with a light source, discover how to bend light using a prism and share the greatest shadow show on earth. Hilarity ensues as they uncover that there's more to light than meets the eye, guiding students through engaging demonstrations of how light and shadow function in the real world.

Room Requirements: Our educators will set up 30 minutes before the program and the room must be cleared of visitors and furniture prior to setup. For the show we will need a large open room with a 20' x 10' x 10' space for our stage and enough space remaining for students to be seated comfortably on the floor. Typically we perform in a gym, cafeteria, or auditorium. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 3-4	45 Minutes	Min 30, Max 300	\$350 for the first program, \$250 for any additional programs at the same location on the same day

FINDING FRANKENSTEIN

What led the mother of science fiction to write the novel *Frankenstein* at the age of 18? Learn about the science and culture of the early 1800's from Mary Shelley herself in an interactive performance- perfect for classes reading the novel *Frankenstein*, exploring the history of science and electricity, or those seeking a discussion of science in society in the past, present, or the future.

Room Requirements: Our educators will set up 30 minutes before the program and the room must be cleared of visitors and furniture prior to setup. For the show we will need a large open room with a 20' x 10' x 10' space for our stage and enough space remaining for students to be seated comfortably on the floor. Typically we perform in a gym, cafeteria, or auditorium. There must be a licensed staff member in the room at all times. We cannot offer this program outdoors.

Audience Age	Program Length	Max # of Attendees	Pricing
Grades 7-12	45-60 Minutes	Min 30, Max 120	\$300 for the first program, \$200 for any additional programs at the same location on the same day



Bakken Inspiration Stations are a great addition to your community event, featuring fun, hands-on STEM activities.

With Inspiration Stations, participants will dig into the wonders of science by trying accessible, engaging activities that bring the inner child out of anyone. The volunteers recruited from your community will receive training on how to share the activities with event guests.

To supplement and enrich your event, consider adding a series of guided science demonstrations or even a full assembly-style performance.

PICK YOUR PACKAGE

SMALL: 3 Tables, perfect for >50 people, **\$175/hr. + \$50 Setup Fee**

MEDIUM: 6 tables, perfect for 50-100 people, **\$225/hr. + \$75 Setup Fee**

LARGE: 9 tables, perfect for 100-200 people, **\$250/hr. + \$100 Setup Fee**

À LA CARTE

Add a table activity at \$75/hr + \$25 set up

Additional activities based on availability

ADD ONS

Sprinkle in a little extra excitement with short repeating demonstrations or add a lot of wow with a large-scale show—we have multiple topics available for each!

Repeating Science Demonstrations

A Bakken Museum educator will conduct a quick and enjoyable presentation on a choice science topic for your attendees. ~ 15 minutes in duration, 3 per hour

Assembly Show

Two Bakken Museum educators will perform a cheeky science-themed show for your attendees.

ROOM REQUIREMENTS

Our educators will arrive and set up one hour before the program. 30 minutes before the program, we will need all volunteers (one for each table) present to be trained on their activities. Volunteers must be 14 or older and each table must have a volunteer present at all times. If, on the day of the event, you are not able to provide as many volunteers as requested tables, we only be able to set up as many activities as you have volunteers and you still be required to pay the full price. Please provide one table for every activity and one additional table for marketing materials. Some activities work best when participants can sit, so please have a handful of chairs on hand as well. Some activities require access to an electrical outlet. We cannot offer this program outdoors.



HOURS

TUE-SUN: 10 AM-4 PM

MON: CLOSED

ADMISSION

REGULAR: \$13

MEMBERS: FREE

MORE INFO: thebakken.org



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