

aramco



TRAVELING SCIENCE

PROGRAM CATALOG BY CATEGORY



Bring MiSci to you! Our Aramco Traveling Science educators bring engaging science festivals, workshops, presentations, and experiences to your school or event that will inspire learners to explore and appreciate STE(A)M.

SCIENCE FESTIVALS

Include 10 hands-on activity stations. Your school will need to supply a large space for the festival to take place, 10 tables and chairs, and 10-12 volunteers to facilitate the activities.

SCIENCEPALOOZA UP TO 3 OR 7 HOURS

Our most popular festival is getting an overhaul! Each interactive activity is paired with information celebrating a scientist or inventor from a diverse background to celebrate the amazing people who have shaped STEM history as we know it! Activity stations cover a variety of science, technology, engineering, and math concepts.

APOLLO ADVENTURE UP TO 3 OR 7 HOURS

Discover the wonders of the cosmos! Participants will use a variety of science and engineering practices to develop a deeper understanding and appreciation for space and space exploration.

Add-on our telescope collection for an even more engaging space-themed event!

www.mi-sci.org/traveling-science

Contact our team at Outreach@Mi-Sci.org, 313.577.8400, ext. 474, or through our [online inquiry form](#) for additional information, pricing, and reservations.



The Michigan Science Center is a 501(c)(3) Nonprofit organization.

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GROUP PRESENTATIONS

Assemblies are a great way to engage and educate groups of up to 250 people. Host us in a gymnasium, library, or large outdoor* venue for an interactive, assembly-style program featuring our biggest and best large-scale science and engineering demonstrations!

EUREKA!

45-MINUTE PRESENTATION

Imagine where we would be without inventions such as the light bulb, microwave oven, or even our favorite toys. Join us as we explore the unexpected and amazing tales of how these everyday modern marvels came to exist and the brilliant minds behind them.

KABOOMISTRY

45-MINUTE PRESENTATION

Our most popular program! Why do things explode? Learn about the relationships between pressure, temperature, and fuel to explain why things go KA-BOOM! We'll mix physics and chemistry to get some loud, flashy effects.

**Must take place indoors*

GLOBAL SOUNDSCAPES

50-MINUTE PRESENTATION

What do sounds tell us about the health of our planet? Join us on an ear-opening journey into the science of sound and the emerging field of soundscape ecology in this interactive, movie day program.

FROSTOLOGY

40-MINUTE PRESENTATION

Investigate how temperature relates to the movement of atoms and molecules in this exciting presentation. Utilizing liquid nitrogen (LN2) we'll see some 'cool' effects on solids, liquids and gases!

**Available November-March*

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HANDS-ON CLASSROOM WORKSHOPS

All hands-on workshops are 40-minutes in length unless otherwise noted. **New this year:** our hands-on workshops do not require the use of shared materials, our team will travel with enough individual supplies for up to 30 students per workshop.

MAGNETS

GRADES PRE K-2

Discover the force of magnetism as we push and pull using magnets of all shapes and sizes. Students will make objects defy gravity, see a magnet made by using electricity, and create their very own art project using magnets!

STATES OF MATTER

GRADES K-5

Learn how to define the states of matter and experience substances changing from one state to another. Some substances blur the line between liquid and solid. We'll get our hands into some slimy stuff to decide which state it is.

EGG-POLLO 11

GRADES 3-8

Put your engineering skills to the test as you design a carrier to safely land an egg on the moon! Learners will boldly go through the engineering design process to create a model simulation of the Apollo 11 moon landing.

CURRENT EVENTS

GRADES 2-6

What is electricity and how does it flow? Observe the power of electricity and learn about its simplest form. Students will then build functional circuits using household produce as a battery.

SIMPLE CIRCUITS & DIGITAL BLING

GRADES 3-8

Learn the basic components of a circuit and explore how electricity is generated using simple, paper circuits to power an LED bulb. Then, try your hand at designing 'Digital Bling' to create your own wearable, tech-accessory to take home!

WIND TURBINES

GRADES 3-8

Participants will be challenged to maximize the amount of electricity generated by a wind turbine of their own design by changing the shape of its blades. Use problem solving skills to help increase the turbine's performance.

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HANDS-ON CLASSROOM WORKSHOPS

COW EYE DISSECTION

GRADES 4-8

Students will work in pairs to perform a cow eye dissection while under the direction of a trained MiSci staff member. We'll compare the cow eye to human eyes as we take a close look at its features and functions.

DIVING INTO DNA

GRADES 6-8

Participants will be able to describe what DNA is, where it's found and how it codes for traits. Everything living has DNA and students will be able to extract this genetic material from a variety of fruit.

NOT SEEING WHAT YOU NEED?

Let us design a custom experience for your event! Contact us or fill out our [outreach inquiry form](#) to request information and pricing for a program that best serves your group's size, age range, theme, and event style.



LOOKING FOR A VIRTUAL PROGRAM?

ECHO VIRTUAL VISITS

Visit the Michigan Science Center and join us for a great learning experience without leaving your classroom! Our ECHO Distance Learning program brings live science demonstrations and activities directly to your students over the internet.

Visit www.mi-sci.org/echo to browse our virtual program catalog.

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