

STEMQUIRY KITS



The Works[®]

Ohio Center for History, Art & Technology



Looking for a new way to engage youth in fun, hands-on STEM programming? Look no further than our new STEMquiry Kits! Each kit has been developed and tested for use with youth (PreK-8th grades) and includes multiple inquiry activities and materials to support learning through themed STEM explorations.

Who are STEMquiry kits for?

- Classrooms, After School Programs, Youth Organizations – any group that wants to have fun exploring STEM!

What is the cost to rent a STEMquiry kit? And what's included?

- The rental fee for each kit is \$50 (non-refundable).
- Kits may be rented for any two week (14 day) span.
- Curriculum and materials for up to 30 students is included with each kit.
- Booking for more than 30 students?
 - * 2 or more of the same STEMquiry Kit receive a \$20 discount/additional kit

I want to borrow a STEMquiry kit from The Work, what do I need to know?

- Grade level(s) of the students
- Total number of students
- Total number of teachers
- Preferred pickup and drop off date
- Chosen STEMquiry Kit(s)
- Your name, phone number and email address
- School name, phone number and address

Kit Details:

- Kits include curriculum and materials to support STEM exploration for up to 30 students.
- Kits must be picked up and returned to The Works.

How do I reserve a STEMquiry Kit?

Call or Email The Works Education Team (740) 349-9277, education@attheworks.org

STEMQUIRY KITS

BrickLab from PCS Edventures

Get hands-on with the foundations of construction engineering, communications, mathematics and physics through building with bricks.

Chemical Engineering: Crazy Chains

Discover the crazy linked chains of polymers and how these substances can be transformed for the tangible improvement of the human condition.

Electric Art

Get creative with electrical circuits; discover how different conductive materials can be used to complete the flow of electrons.

Food for Thought: Science of Taste

Why does food taste different to different people? Explore the unique things about us; taste buds, smell and genetics to name a few, that allow us to taste things differently.

Forensics: Molecular Evidence

How can we tell who committed the crime? Dig into the science that tells us who done it with DNA and blood typing.

Forensics: Patterns and Impressions

Look for clues that are left behind at scenes. Explore the different types of fingerprints, different techniques for collecting fingerprints and discover other trace evidence that can be left behind.

Forensics: Science of Disease

What caused the event or epidemic and how did it spread? Address the biological side of forensics by exploring pathogens and disease transmission.

K'NEX Bridges

Explore the strength of shapes through the exploration of bridges. Build and test different bridge types using K'NEX.

Mathematics of Art

In art, mathematics is not always visible unless you are looking for it. Explore the symmetry, geometry and measurement used in making beautiful art.

Newton's Laws – Rollercoaster Science

Get your students minds in motion with his hands-on exploration of Newton's Laws that connects them to the fun of rollercoasters and explore the physics behind how they work.

Rube Goldberg Machines

Explore the creative and complex side of invention. Design and build a quirky invention to complete the assigned task while exploring forces and motion.

Snap Circuits: Alternative Energy

Explore different "green" energy types and try your hand at building electrical circuits.