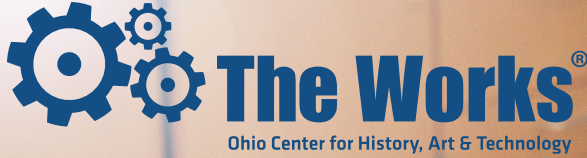


# STEMQUIRY KITS



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

Rori Leath, STEM Education Director (PreK-5) – [RoriLeath@attheworks.org](mailto:RoriLeath@attheworks.org)

Meghan Federer, STEM Education Director (6-12) – [MeghanFederer@attheworks.org](mailto:MeghanFederer@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.