

5TH GRADE




The Works[®]

Ohio Center for History, Art & Technology

www.attheworks.org • 740-349-9277



EDUCATION PROGRAMS

FORCES & MOTION
INVENTION
 **MAKE IT/SHIP IT**
POLYMERS
SCIENCE OF GLASS
SOUND

Forces & Motion

Get hands-on with forces and motion. Discover that speed is related to both mass and force.

Science: The amount of change in movement of an object is based on the mass of the object and the amount of force exerted.

Invention

Discover the invention process, learn different ways to invent, and be inspired by famous inventors. Use the knowledge acquired to create an invention that uses changes in mass or force to alter the movement of an object.

Science: The amount of change in movement of an object is based on the mass of the object and the amount of force exerted.

Make It/Ship It

Students will actively explore the museum's second floor industry exhibits to organize their own 1900s factory, make economic decisions, work within a given budget, and consider the trade-offs of their decisions. They will also decide on the best means of transportation at the time to ship their product.

Social

Studies: The availability of productive resources promotes specialization that leads to trade. The availability of productive resources and the division of labor impact productive capacity. Works can improve their ability to earn income by gaining new knowledge, skills, and experiences.

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Polymers

Students will discover how polymers are used to obtain and distribute food in agro-ecosystems and urban ecosystems. Using polymers, students will make predictions, ask questions, perform experiments, and analyze results.

Science: Organisms perform a variety of roles in an ecosystem.

Math: Represent and interpret data.

Science of Glass

Students will explore the science of refraction through different media, including glass.

Science: Light and sound are forms of energy that behave in predictable ways.

Sound

Students will explore sound as a form of energy through hands-on experimentation with different objects. Experimentation will allow students to discover that sound is a form of energy that behaves in a predictable way.

Science: Light and sound are forms of energy that behave in predictable ways.

How do I register for an Education Program?

Call or Email The Works Education Team (740) 349-9277

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

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

Interested in
opportunities not
listed here?
Call or email
The Works
Education Team

REV 7/14/2017