

3RD GRADE



The Works[®]

Ohio Center for History, Art & Technology

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BIOENERGY



DOWNTOWN HISTORY TOUR



EXPLORE HISTORY

POLYMERS

SCIENCE OF GLASS SOUND



TRANSPORTATION TOUR

EDUCATION PROGRAMS

Bioenergy

Discover Earth's resources and how they can be used for the energy they contain. Explore bioenergy and the differences between renewable and nonrenewable resources as they relate to energy.

Science: Earth's resources can be used for energy

Heat, electrical energy, light, sound and magnetic energy are forms of energy.

Social Resources can be used in various ways. Individuals must make decisions because of the scarcity of resources. Making a

Studies: decision involves an opportunity cost, the value of the next best alternative given up when an economic choice is made.

Downtown History Tour

On this guided walking tour, students will learn about our downtown, how it has changed over time, and see some of our most history buildings. *Weather dependent.*

Social Local communities change over time. Evidence of human modification of the environment can be observed in the local

Studies: community. Systems of transportation and communication move people, products, and ideas from place to place.

Explore History

Students will explore historical exhibits and artifacts on this guided exploration, including the Burning Tree Mastodon and Jerrie Mock.

Social Local communities change over time. Evidence of human modification of the environment can be observed in the local

Studies: community. Systems of transportation and communication move people, products, and ideas from place to place.

 Program not available as an Outreach Session.

*NOTE: Full program standards and descriptions available in teacher packet for each program.

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Polymers

Students will discover that shape and compressibility are properties that can distinguish between the states of matter.

Math: Measure and estimate liquid volumes.

Generate measurement data by measuring lengths using rules marked with halves and fourths of an inch.

Science: Matter exists in different states, each of which has different properties.

Science of Glass

Students will discover the states of matter and how materials, such as glass, can change state and shape. Explore how local history was influenced by glass.

Science: Earth's nonliving resources have specific properties.

Matter exists in different states, each of which has different properties.

Social

Studies: Events in local history can be shown on timelines organized by years, decades, and centuries.

Sound

Students will explore sound as a form of energy through hands-on experimentation with different objects. Experimentation will allow students to discover that sounds can travel through different types of matter.

Science: Matter exists in different states, each of which has different properties.

Heat, electrical energy, light, sound, and magnetic energy are forms of energy.

Transportation Tour

On this brief walking tour of the museum grounds, students will learn how the evolution of transportation changed Newark's history.

Social Local communities change over time. Evidence of human modification of the environment can be observed in the local

Studies: community. Systems of transportation and communication move people, products, and ideas from place to place.

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
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