

# PRE-KINDERGARTEN



**The Works**<sup>®</sup>

Ohio Center for History, Art & Technology

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## EDUCATION PROGRAMS

**COLORS**  
**PLEISTOCENE DENTIST**  
**POLYMERS**  
**SCIENCE OF GLASS**  
**SIMPLE MACHINES**  
**SOUND**  
**WEATHER**

### Colors

**Explore color through literature; get hands-on with color and color mixing. Use the observations made during hands-on exploration to make predictions in a simple experiment.**

**Math:** Recognize, duplicate, and extend simple patterns using attributes such as color, shape, or size.

**Science:** Make careful observations.  
Make predictions.

### Pleistocene Dentist

**Students will have an Ice Age adventure, explore timelines, get hands-on with replica artifacts, and discover what can be learned from teeth.**

**Math:** Describe and compare objects using measurable attributes (e.g., length, size, capacity, and weight).

**Science:** Describe, compare, sort, classify, and order.  
With modeling and support, recognize similarities and difference between people and other living things.

### Polymers

**Students will explore the properties of polymers such as order, and compare the orderly properties of polymers to a rainbow. Use a polymer to build a rainbow, sort polymers and describe properties of the groups, such as color, shape, size, and number.**

**Math:** When counting objects, say the number of names in the standard order, pairing each object with one and only one object.  
Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group up to 10.

**Science:** Make careful observations.  
Make predictions.

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## Science of Glass

**Follow the transition from sand to glass and learn how the movement of molecules within matter makes this possible. Discover the unique properties of glass and the many different ways it is used throughout our lives. Create a small art piece to take home.**

**Science:** Objects and materials can be sorted and described by their properties.

**Social**

**Studies:** Goods are objects that can satisfy people's wants. Services are actions that can satisfy people's wants.

## Simple Machines

**Students will learn the different types of simple machines, how they can be used and then identify simple machines throughout the museum. Describe the position of objects relative to the simple machines and their movement.**

**Math:** Demonstrate understanding of the relative positions of objects using terms such as: in/on/under, up/down, inside/outside, above/below, beside/between, in front of/behind and next to.

**Science:** Engage in simple investigations.

Describe, compare, sort, classify, and order.

## Sound

**Students will explore how sounds are made through hands-on experimentation with different objects. Experimentation will allow students to discover properties and characteristics of sound allowing students to describe and share their observations.**

**Science:** Engage in simple investigations.

With modeling and support, explore the properties and characteristics of sound and light.

## Weather

**Learn the different types of weather and make weather observations. Discover the impact weather has on our lives, collect age appropriate weather data, and share findings.**

**Science:** Engage in simple investigations.

Describe, compare, sort, classify, and order.

## 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**