



## MOTION AND MATERIALS

### Grade 1 | 60 Minutes

## Program Overview

### Description

Students will use investigation stations to explore different kinds of movement. Zig zag, circular motion, back and forth and more are included in the motion challenges. Explore materials and their properties in the sorting challenge. Then test your knowledge of solids, liquids, and gasses.

**Adult chaperones recommended: 6**

### Content Standards

Subject	Gr	Ohio Department of Education Standards
Physical Science	1	<ul style="list-style-type: none"><li>• Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.</li><li>• Properties of objects and materials can change.</li></ul>

### Vocabulary

motion	gas
position	liquid
material	solid
matter	property

### Books we recommend

- Forces Make Things Move by Kimberly Brubaker Bradley. Harper Collins, 2005.
- Motion by Ellen Lawrence. Bearport Publishing, 2013.

## Post-Trip Activities

- Have children choose a movement (zigzag, circular, straight) and race from one side of the class/gym.
- Make observations about motion in the natural world and explain why they are moving in that way (zigzag, circular, straight).
- Build a Rube Goldberg machine to accomplish a simple task

## Other Resources

Rube Goldberg machine OK Go! Music video: <https://youtu.be/qybUFnY7Y8w>

Online sorting activities: <https://www.splashlearn.com/math/sort-objects-games>