Description

In this hands-on inquiry field students will work together to solve a set of motion challenges using exciting and educational materials. **Adult chaperones recommended:** 4 – 6

Content Standards

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| Physical Science | 1  | • Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.  
• Properties of objects and materials can change. | I can observe and explain ways that objects move in different directions.                                          |

Pre-Trip Activities

Observe various ways that objects move in a straight line (vertical, horizontal).

Vocabulary

- motion
- position
- material
- matter
- gas
- liquid
- solid
- property

Books

Post-Trip Activities at School

- 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).

Extension Activities

- Build a Rube Goldberg machine to accomplish a simple task
- Implement a scientific investigation to determine: How can a ball be made to speed up (slow down or change direction)? With the class, list all the ways that were found.