

# How Things Move

*Grade levels PreK-1*

## **Program Description:**

In this activity students investigate the motions of objects through a design challenge using balls, ramps, funnels and blocks. They create their own “machine” to complete a task.

## **Massachusetts Curriculum Standards:**

### **PreK: Physical Sciences**

#### **PS2. Motion and Stability: Forces and Interactions**

PreK-PS2-1(MA). Using evidence, discuss ideas about what is making something move the way it does and how some movements can be controlled.

PreK-PS2-2(MA). Through experience, develop awareness of factors that influence whether things stand or fall.

### **Kindergarten: Physical Science**

#### **PS2. Motion and Stability: Forces and interactions**

K-PS2-1. Compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.

### **Grade 1: Technology/Engineering**

#### **ETS1. Engineering Design**

1.K-2-ETS1-2. Generate multiple solutions to a design problem and make a drawing (plan) to represent one or more of the solutions.



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