



## **Magnets Content Standards**

### **Kindergarten**

#### **Physical Sciences**

##### Forces and Motion

4. Investigate that things can be made to move in many different ways such as straight, zigzag, up and down, round and round, back and forth, or fast and slow.
5. Investigate ways to change how something is moving (e.g., push, pull)

#### **Scientific Inquiry**

##### Doing Scientific Inquiry

1. Ask "what if" questions.
2. Explore and pursue student generated "what if" questions.

#### **Scientific Ways of Knowing**

##### Nature of Science

1. Recognize that scientific investigations involve asking open-ended questions (How? What if?)

### **Grade One**

#### **Physical Sciences**

##### Forces and Motion

5. Explore the effects some objects have on others even when the two objects might not touch (e.g., magnets)
6. Investigate a variety of ways to make things move and what causes them to change speed, direction, and/or stop.

#### **Scientific Inquiry**

##### Doing Scientific Inquiry

1. Ask "what happens when" questions.
2. Explore and pursue student generated "what happens when" questions.

#### **Scientific Ways of Knowing**

##### Nature of Science

2. Demonstrate good explanations based on evidence from investigations and observations.

### **Grade Three**

#### **Physical Sciences**

##### Forces and Motion

3. Identify contact/noncontact forces that affect motion of an object (e.g., gravity, magnetism, and collision.)

4. Predict changes when an object experiences a force (e.g., a push or pull, weight and friction)