



## **TWIRLING PENNY**

*IIHS in the Classroom NGSS Standards Alignment*

### **High School**

#### **HS-PS2-1**

*Analyze data to support the claim that Newton's second law of motion describes the mathematical relationship among the net force on a macroscopic object, its mass, and its acceleration.*

### **Middle School**

#### **MS-PS2-2**

*Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.*

### **Grades 3-5**

#### **5-PS2-1**

*Support an argument that the gravitational force exerted by Earth on objects is directed down.*