

# LAB EXPERIENCE

## Go Speed Racer



### Science Experience Vocabulary

Acceleration  
Velocity  
Force

Gravity  
Kinetic Energy  
Potential Energy

## Science Activity



Students will participate in constructing a paper rollercoaster and do race trials using model cars. Students will record:

- Speed
- Energy Output
- Affects of Mass, Friction, and Gravity

## Science Experience Essential Question



How are the different forces that affects moving objects?

## NSSG Standard

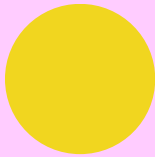


Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.



### **Length of Experience**

1 hour and 30 minutes



### **Science Experience**

#### **Form a Claim, Evidence, or Reason (CER)**

Students will answer the scientific question:  
What affects the motion of an object?



### **Cost of Science Experience**

#### **\$30 per student, minimum of 10 students**

All supplies for this experience will be provided.  
Registration is now open.