



# Push Car Derby Workshop

Next Generation Science Standards  
International Society for Technology in Education Standards  
Common Core State Standards

## **Push Car Derby (Grades: K-2)** **Subjects Covered: Science, STEAM**

Student will build a car with a removable brake and use a spring launcher to explore push and pull forces, and the effects of friction. Then explore and explain how force and friction can change the speed of an object and affect how far it'll go in a push car race.

### **Education Standards**

NGSS K-PS2-1, ISTE: 7c, CCSS.ELA-LITERACY.SL.1.2

#### **NGSS K-PS2-1**

Physical Science. Motion and Stability: Forces and Interactions. Students who demonstrate understanding can; Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.

#### **ISTE 7c**

Global Collaborator. Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.

#### **CCSS.ELA-LITERACY.SL.1.2**

Language Arts. Comprehension and Collaboration. Ask and answer questions about key details in a text read aloud or information presented orally or through other media.