

mighty machines

This fun, active program introduces students to simple machines and how they work. Through demonstrations and discussion, students will discover types of simple machines (wheels and axles, rollers, gears, pulleys and levers,) and then build machines.

CURRICULUM CONNECTION — Wheels and levers

► Program Outline | 90 minutes

Greeting and Introduction

Welcome and organization

Program Activities

- **What are simple machines?**
- **Making machines**
Students will work in teams of two to make and operate the following machines from Lego:
 - Paper crimper
 - Roller coaster
 - Twirling carnival ride
 - Hand mixer
 - Top and launcher
 - Crane
 - Truck and trailer
 - Race car and launcher
 - Jack-in-the-box

Conclusion and Departure

Summarize, questions and prepare to depart

