

## LEARNING OUTCOMES:

# 2

## GRADE TWO. **simple machines.** **creative enhancements.**

Discover the wonders of engineering with our Grade 2 building projects! Our Young Engineer fieldtrips will inspire your students as they learn about design, construction, and problem-solving. Through fun activities and lessons, students will develop important skills like critical thinking while building their own machines for specific purposes.

### *Building Simple Machines:*

## **PERSONAL COOLER.**

- Students will select the right materials to construct devices that produce motion.
- Students will build a fan that spins really fast and will learn how to increase the speed of the propellers using gears.

### *Building Simple Machines:*

## **DRUM MACHINE.**

- Students will build a simple machine that produces sound.
- Students will demonstrate a variety of ways of producing sounds
  - a. by striking a hollow object,
  - b. by changing pattern and speed of the strikes

### *Building Simple Machines:*

## **CAROUSEL.**

- Students will follow instructions and build a “Flying Chairs” amusement park ride.
- Students will learn the faster the ride is spinning, the higher the chairs will be lifted up.

