

CREATEKIT™

Anemometer Engineering Design Challenge Lesson Directions Overview

Equipment List

- 12 Plastic Bottles (12 oz)
- 4 lb Clay
- 4 Rolls Tape
- 100 Wood Dowels (1/8" dia)
- 100 Paper Cups

Learning Objectives

1. Students work together to conceptualize, sketch, and build an anemometer using the provided materials and meeting the criteria selected by the teacher.
2. Students measure wind speed by counting the number of rotations of their anemometer.

Grade Levels: 3-8

Vocabulary Covered

- Wind
- Speed
- Anemometer
- Rotation
- Engineering Design Process
- Prototype

Next Generation Science Standards

- 3-ESS2-1
- 3-5-ETS1-1
- 3-5-ETS1-2
- 3-5-ETS1-3
- 3-PS2-2
- MS-ESS2-5
- MS-ETS1-1
- MS-ETS1-2
- MS-ETS1-3