forward
EDUCATION

CLIMATE ACTION KIT

Wind Turbine

The Wind Turbine Climate Action Kit is designed to introduce learners to renewable energy technology and the positive impact it can make on climate change.

The kit includes all of the hardware and online lesson content to build and code working prototypes of this real-life technology.

Features

Curriculum-Aligned
Lessons are aligned to several international curriculum standards

No Student Login
Students can access content through a login-free browser-based platform

Grades 3 to 12
Provide a continuum of learning for students as they advance their skills

Differentiated Learning
Users can code in block-based, JavaScript, or Python coding languages

Maximize Class Time
Single-class lessons, backed with a 2-year warranty

Easy-To-Use
Intuitive hardware and step-by-step tutorials

What's in the Kit

- **x1** Breakout Board
- **x1** Rotary Dial
- **x1** LED Light
- **x1** Continuous Servo
- **x1** Base Plate

- **x1** Circle
- **x4** Long Frame
- **x4** Small Frame
- **x2** Cube Connector
- **x1** USB Cable

- **x4** Back-to-Back Connector
- **x1** Short Cable Connector
- **x2** Component Backing Connector

Lessons Included

Wind Energy

GR. 3-4

Powering the Future with Wind Energy

Power Storage

GR. 5-6

Power Storage for Wind Energy

Counting Turbine RPMs

GR. 5-6

How Wind Turbines Capture Kinetic Energy