forward
EDUCATION

CLIMATE ACTION KIT

Smart Farming

The Smart Farming Climate Action Kit is designed to introduce learners to smart farming 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 Moisture Sensor
- x1 LED Light
- x1 USB Cable
- x1 Base Plate

- x3 Long Frame
- x2 Corner Connector
- x2 Cube Connector
- x2 Back-to-Back Connector
- x1 Water Pump & Tubing

- x2 Long Cable Connector
- x1 Short Cable Connector
- x2 Component Backing Connector

Lessons Included

Automated Watering

GR. 5-6

Smart Farming with Automated Watering

LED Grow Light

GR. 5-6

Vertical Farming with UV Light

Hydroponics & LED Grow Lights

GR. 7-8

Smart Farming with Hydroponics & LED Grow Lights