



With the Core Module you will go through the foundations of CTC and build 8 exciting projects based on teamwork and learning by doing activities.

CTC GO! - Core Module Toolbox

- 8 Arduino UNO WiFi Rev2 boards: It's basically an Arduino Uno Rev3 with more kick, as it adds and an onboard IMU (Inertial Measurement Unit) and WiFi connection for instance. They are programmable, able to read inputs (e.g., light on a sensor) and capable to control outputs (e.g., activating a motor).
- 8 Arduino Education shields: Add-on boards that connect to the Arduino UNO WiFi Rev2 and more Arduino boards to extend their functionality. The Education Shield is a custom-made shield designed by Arduino Education specially tailored for educational purposes to enable quick and easy learning while building projects.
- Two different sizes of breadboards for each board: Used to make circuits easier to build. They can be either attached on top of the Education Shield or used separately to connect other components.
- Set of electronic components: Used to create interactive electronic circuits, including resistors, LEDs, push buttons and piezos.
- Set of sensors: Including potentiometers, light and ultrasonic sensors.
- Set of batteries: With eight 9V batteries and two battery connectors for each of them.
- Media and storage: The Education Shield features an SD card reader and an audio connector.
- Set of cables: Includes all kind of jumper wires needed and USB cables.
- Assembly pieces: Include all the modular building pieces needed in order to build 8 different guided projects.
- Student group boxes: Each students group will have a components box with everything they need to work on the experimental lessons.
- Additional components: The kit adds two boxes with some extra components to be used on the projects and replace the already included on the student group boxes if needed.



