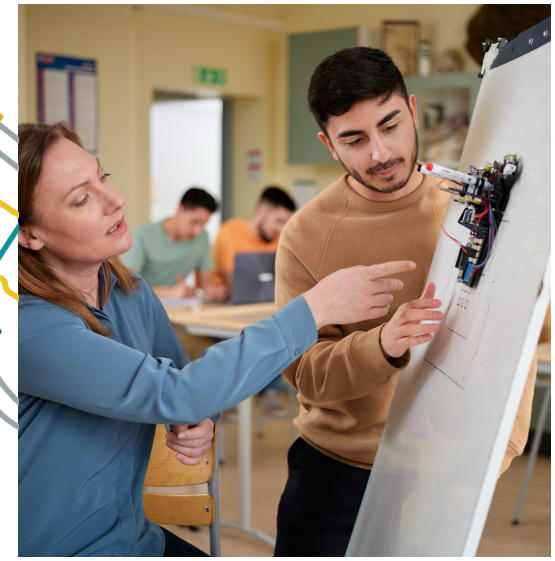
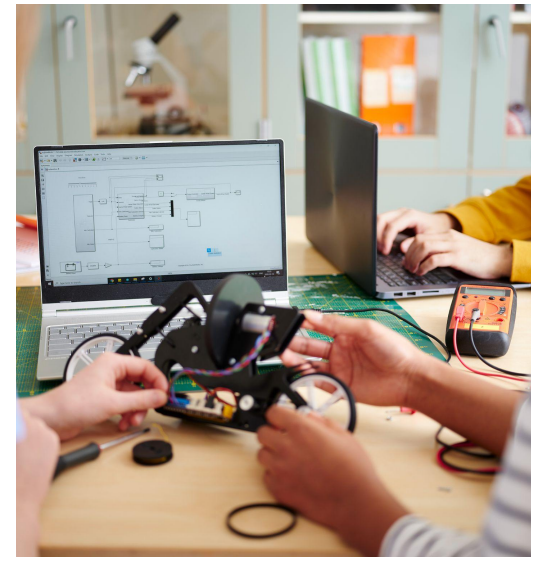
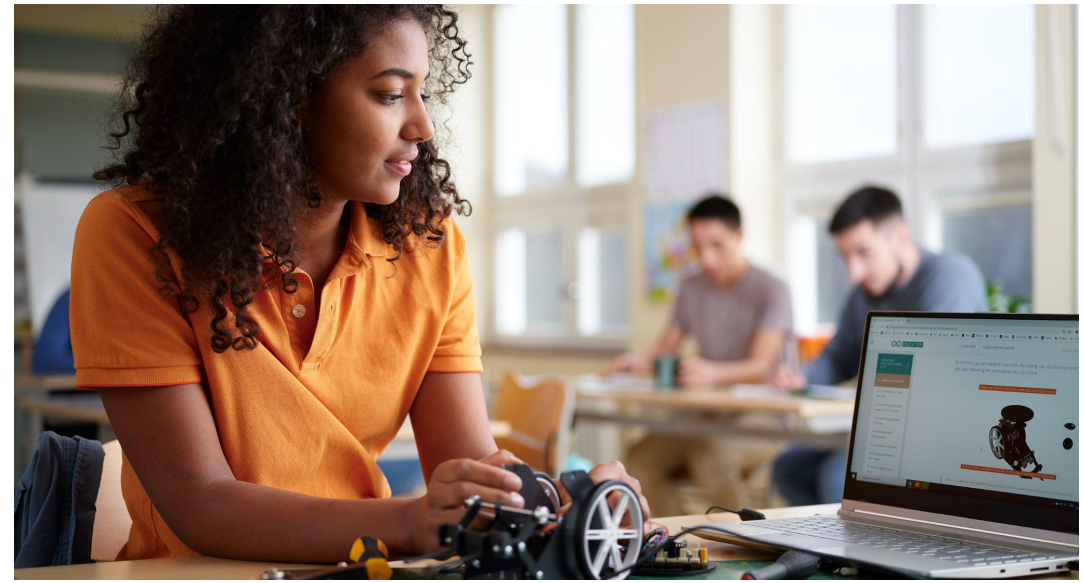
ARDUINO
EDUCATION

Discover the Arduino Engineering Kit R2







Challenge engineering students and help them develop mechatronic engineering skills either at home or in the classroom. his kit provides extensive learning outcomes, giving students a strong understanding of basic engineering concepts through fun projects that create an outcome-driven learning environment. Students are able to connect what they learn with real-world industries. The kit is a practical, versatile, hands-on learning tool that demonstrates key control system concepts, core aspects of mechatronics, and MATLAB and Simulink programming. Ideal for advanced high school and college students.

Arduino Education Learning Evolution

Our aim is to help students achieve their dream careers in STEAM. Our cross-curriculum content and open-source approach are essential tools for STEAM classes that develop with students as they progress through **middle school, high school, and university**, preparing them for a successful future.

Middle School

- **Education Starter Kit** Age 11-14
- **Science Kit Physics Lab** Age 11-14
- **Student Kit** Age 11-14
- **Starter Kit Classroom Pack** Age 14+

High School

- **CTC Go! Core Module** Age 14-17
- **CTC Go! Motions** Age 14-17
- **Explore IoT kit** Age 16+

University

- **Certification Program** Age 16+
- **Engineering Kit** Age 17+

Arduino Engineering Kit R2

Product Benefits

Extensive learning outcomes provide students with a strong understanding of basic engineering concepts
Students want to learn because the projects are fun and create an outcome-driven environment
Help students connect their knowledge with real-world industries
Educators can freely tailor the kit to their students' needs and their own curriculum
Can be used either at home or in the classroom
Improve depth of knowledge by learning theoretical concepts in a hands-on way

Key Learning Values

System modeling
Control theory
Robotics and mechatronics
Image and video processing
Text-based programming with MATLAB
Visual programming with Simulink

Lessons Included

- Arduino, MATLAB & Simulink
- Basics of mechatronics
- Drawing Robot
- Unboxing and Installations

It is useful exercise for the students to build something operable and to experience the interaction between modelling and actual use

- Andrew Belford, Macquiere University

Discover more at: **store.arduino.cc**