



# SCIENCE JOURNAL

## Shape students future: Reason with data, think like a real scientist!

The Arduino Science Journal mobile application transforms different devices into pocket-size science tools that encourage students to explore their world.

It can be used on its own, or explored together with external sensors that are compatible with microcontrollers that connect using bluetooth. By using external sensors, the students can extend their experimentation and learning. For a more in-depth experience of the world of science, get online access to different topic-related lessons based on the use of the Arduino Science Journal app

The app is classroom-friendly, since the app has been designed to teach the scientific method, problem-solving, and applying mathematical skills through real-life examples and can be applied in different educational backgrounds. The students can sign in on any device and access their experiments to continue their learning and exploring the world, wherever they are!

**LANGUAGES:** The app is available in 45 languages

**TARGET:** 10 - 18 years old

For more info visit: [arduino.cc/education](https://arduino.cc/education)

**“I wish I had this for physics!”**

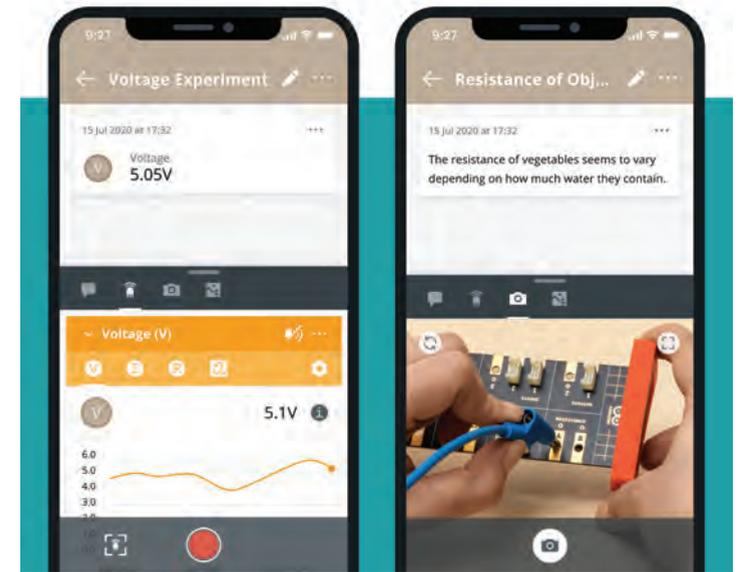
*Student, 12th Grade,*

*Boulder HS*

**“It’s really cool to take measurements from something in your pocket.”**

*Angevine, Teacher,*

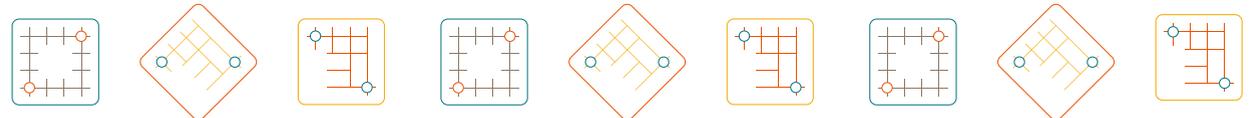
*9th to 12th Grade*



## WHAT IS THE ARDUINO SCIENCE JOURNAL?

The Arduino Science Journal is a free, open-source app that allows you to gather data about the world around you by harnessing the sensors in your smartphone as well as sensors connected to Arduino such the Arduino Science Kit and the Arduino Nano 33 BLE Sense. , or other third party hardware. to run more demanding experiments.

The Arduino Science Journal lets you build and run your own STEAM educational journey. The flexibility and portability of mobile devices, in conjunction with selected Arduino boards and kits, provide an affordable solution to setting up a science lab on the go.



## KEY LEARNING

## VALUES

- Document science experiments: students can measure the results of their experiments, take quality photos, and jot down important notes.
- Supports multiple platforms: the Science Journal is a free app, and is fully compatible with Android, iOS, and most Chromebooks .
- Record observations: students can use their device's sensors, as well as external sensors, to measure light, sound, movement, and more. Compare results, and even set triggers to tell the app when to record.

## CURRICULUM

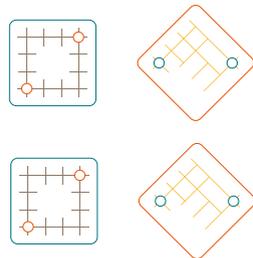
## ALIGNMENT

The Arduino Science Journal is aligned with the UK National Curriculum for Science and the Next Generation Science Standards (NGSS) in the US. You can collect different sets of data to support your science classes.

## PRODUCT

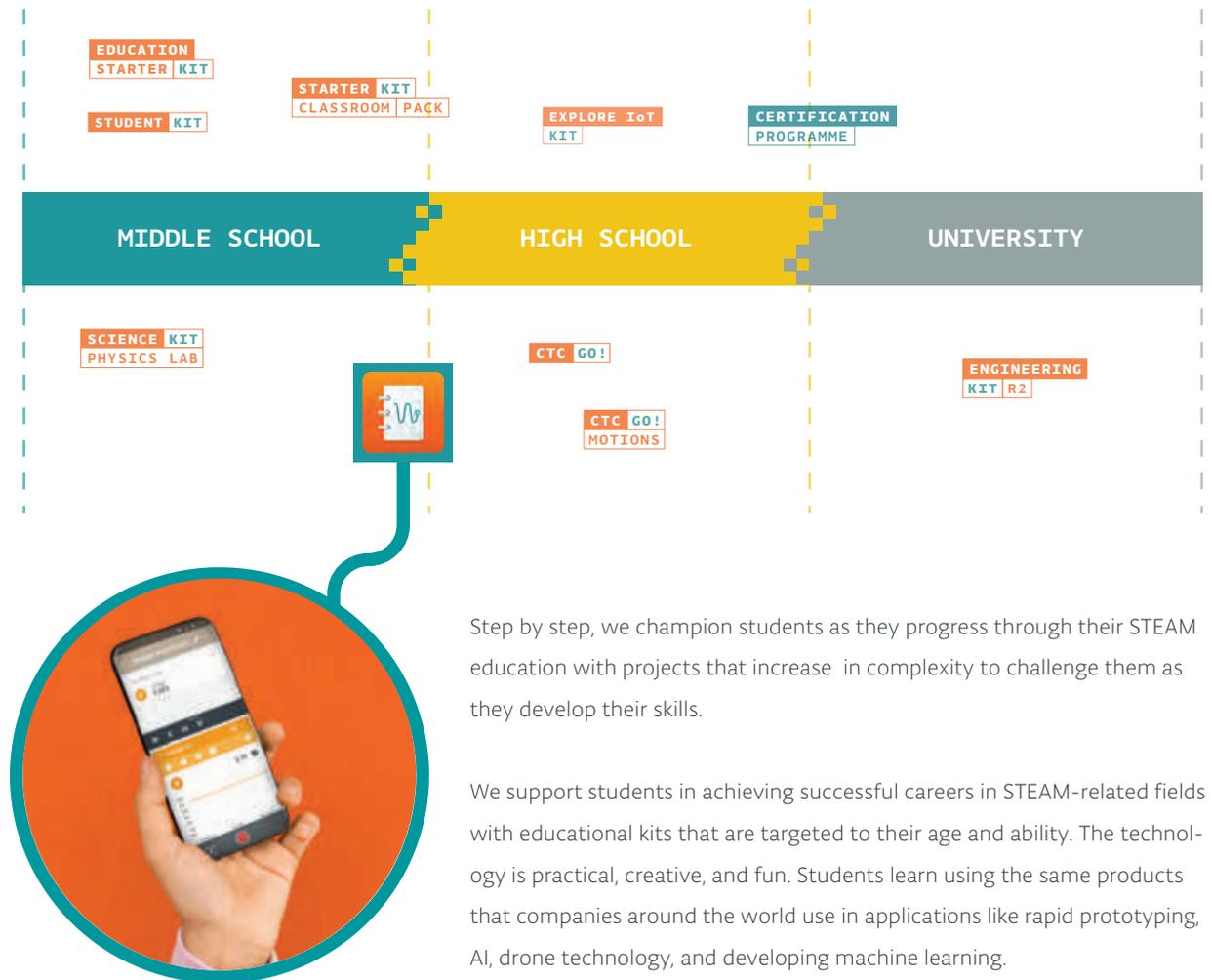
## BENEFITS

- Free and simple to use
- Easy to set up: : download the app and start exploring with your phone's built-in sensors
- Portable: enhance your home learning or bring your device outside to study the world around you.
- Fully compatible with Arduino hardware: keep experimenting with the Arduino Science Kit Physics Lab, as well as the Arduino Nano 33 BLE Sense board
- Safe for children to use: COPPA Compliance underway
- Fully open-source: you can develop your own hardware support as the app is open-source



## 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.



We are currently focused on translating our content into more languages and mapping it to more curricula. If you have a project that you would like to have localised for your country, please contact us with your suggestion.

For more info visit: [arduino.cc/education](https://arduino.cc/education)

