



FAQ

GENERAL

What's the Science Journal App?

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, or other third party hardware. The Science Journal transforms smartphones, tablets, and Chromebooks into science notebooks that encourage students to explore their world.


Do Arduino's Science Journal apps have the same features as Google's Science Journal apps?

Yes! The new Arduino versions of the apps still allow you to measure the world around you using the capabilities that are built into your phone, tablet, and Chromebook. The apps also support signing in with your Google account to enable syncing with Google Drive.

Furthermore, Arduino will be providing better integration between Science Journal and their existing Arduino products, and over time they will continue adding new features to enable students to conduct and document science experiments.

What are some of the benefits of using the Science Journal App?

With the Science Journal App, teachers and students can build and run their own educational journey. Enhance your existing lesson plans and use the Science Journal with activities and assignments you have already prepared. Students can easily record



your observations, store your data sensors in real-time and analyse them, just as a proper scientist.

The flexibility and portability of mobile devices, provides an affordable solution to setting up a science lab on the go - with the Science Journal app, you don't have to be in a classroom setting to start exploring. The Arduino Science Journal can be used to run experiments straight away, as long as you have your smartphone or tablet with you!

What's the recommended age for this app?

The Science Journal app is recommended for students from **10 to 18 years old**.

What languages are available?

The Science Journal app is available in [45 languages](#).

Who can use the app?

It doesn't matter if you are a teacher, student, a parent, or a science enthusiast - anyone with access to a smartphone can use the app. It's that simple!

How can the app be used?

The app has been designed to teach the scientific method, problem-solving, and applying mathematical skills through real-life examples.


By its own: the app can easily be used on its own without any other technology just with the help of the built-in sensors of the device.

External hardware: Students are enabled to conduct more complex and demanding experiments, and advance in their scientific studies by using external hardware, such as sensors. As long as these sensors are compatible with a Bluetooth-connecting device such as a microcontroller, there is no end to what experiments the students can make. Some examples are the Arduino Science Kit Physics Lab, the Arduino Nano 33 BLE and third-party hardware like the Vernier Go Direct® sensors

What do you get with the Arduino Science Journal app?

The Arduino Science Journal transforms your mobile device into a digital notebook. You can start experimenting with it straightaway using the built-in sensors on your smartphone or tablet. The most commonly-available built-in mobile sensors are: compass, ambient light, magnetometer, sound intensity and pitch.

If you really want to explore the surrounding world, you can easily connect external sensors or hardware via bluetooth. Take full advantage of the sensors on your Arduino board, and launch different science experiments. Explore motion, forces, temperature, humidity, add external sensor modules, or use your board as a spectrometer. You have plenty of options to enjoy science!



For a richer learning experience, you can explore the online content available on the Arduino Education website, which will help you use the Science Journal app as a learning and experimentation tool.

What's the extra online content?

The content includes Getting Started lessons which teach you how to use external sensors for experimentation, in-depth explanations about the available sensors on the app, experimental activities focusing on topics such as light, motion and conductivity, and more. These activities can be used together with, or complement, lessons you've already planned, or they can be used as extra challenges for students to learn more about science.

The online content is only available in English.

How do I access the online content?

You can access to the online content through the following link: science-journal.arduino.cc

What operating system is required?

The app runs on Android OS 5 or higher, Chrome OS System supporting Android Apps and iOS 12 or higher.

Where can I find the app?

The Arduino Science Journal app available for download from the main app stores: [Play Store \(Android\)](#) and [iOS app store](#)

How much does the app cost?

The Science Journal is a free, open-source app. Just download the app and you are ready to go!

Can I use the App in Chromebooks?

Yes, you can. Science Journal is compatible with Play Store enabled Chromebooks.

CLASSROOM

What subjects does the app cover?

The Arduino Science Journal can support your students in learning the scientific method, as well as recording data, and results, and analyse them for further



exploration.

The subjects covered using the app are: Science, Physics, Chemistry, Biology, Maths (data evaluation, statistical analysis) and Engineering design.

How can I apply the app to my curriculum?

The Arduino Science Journal can support your students in learning the scientific method, as well as recording data, and results, and analyse them for further exploration.

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.

The subjects covered using the app are: Physics, Chemistry, Biology, Maths (data evaluation, statistical analysis) and Engineering design.

Will Arduino Education provide training to teachers?

We will offer free content, and tutorials online. You can also request additional training sessions with local distributors.

HARDWARE

What kind of hardware is the app compatible with?

The Science Journal App is compatible with the Arduino MKR WiFi 1010 included in the Arduino Science Kit Physics Lab, the Arduino Nano 33 BLE Sense, and third party hardware such as Vernier Go Direct® sensors.

Which sensors on my device can be used with the app?

Arduino Science Journal can use the sensors available on your smartphone or tablet, as well as external sensors via Bluetooth.

By using an Arduino as your external hardware, you can access the following sensors: Accelerometer, gyroscope, magnetometer, light sensor, temperature sensor.

Where can I find demo experiments or tutorials?

You can get started with the Arduino Science Journal using the in-app walkthrough, or have a look at the full list of getting started lessons on science-journal.arduino.cc



Is there a Desktop version I can use?

Arduino Science Journal is a native app for your Android or iOS devices. We do not currently offer a web version of the app, however you can access the app on Chromebook laptops.

What copyright restrictions exist on use of content (e.g. images/screenshots) from Science Journal?

All Science Journal content externally shared is free from copyright restrictions. Thanks for using Science Journal as a reference in your school district.

DATA AND SECURITY

What are the necessary access permissions for a full Science Journal app experience?

For a full Science Journal app experience, you will need the permissions notice of the following:

- Location: Needed to scan for Bluetooth sensor devices.
- Camera: Needed to take pictures to document experiments.
- Microphone: Needed for sound intensity sensor.
- Storage: Needed to access photos to insert into experiments.
- Bluetooth: needed to scan for bluetooth sensor devices.
- Push notifications: used to inform you about the recording status when the app is running in the background.

Is the Science journal COPPA approved?

Yes, the Science Journal is COPPA compliant.

Do I retain all legal rights and privacy of my data?

Yes, you do own your data. We do not have access to your data, nor can it be sold, owned, or released by anyone. You retain rights and privacy, and the data that you collect is only stored directly on your device. We maintain compliance with Children's Data Privacy regulations (e.g. COPPA) and don't use any data for commercial use.