

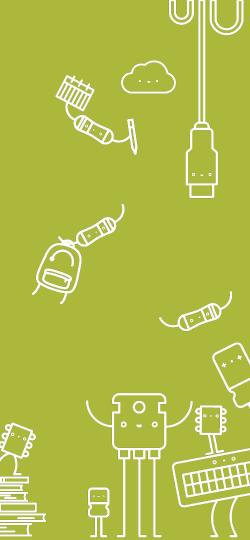
Arduino Junior Certification





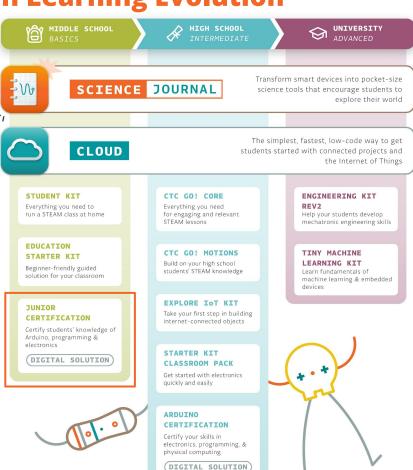


Assess & spot areas for improvement in students' knowledge of programming & electronics.



Arduino Education Learning Evolution

A solution for everyone



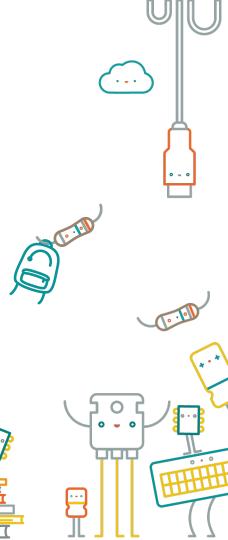




Arduino Junior Certification

Junior Certification makes it easy for educators to assess your students' individual aptitude, skills, and what they've learned about programming, electronics, robotics, and Arduino concepts.

Junior Certification gives you a clear insight into each student's own level, and enables you to spot knowledge gaps and areas for improvement. It also helps students with self-evaluation, giving them an understanding of the areas they need to work on or have a particular aptitude for.







Arduino Junior Certification





Arduino Junior Certification

- Junior Certification is an online multiple-choice exam that can be completed from any computer with access to the internet
- Provides official certification on knowledge of Arduino-related electronics and programming
- Recommend age 14+





Arduino Junior Certification

- The exam is based on topics covered by the Arduino Student Kit and the Education Starter Kit (you only need to use one of these kits, not both). Topics covered include electricity, circuits and schematics, Arduino IDE and boards, electronic components, and programming
- The more students have used the kit, the better their chances of gaining Junior Certification. However, purchasing the Arduino Student Kit is not mandatory to successfully passing the exam

Benefits of Arduino Junior Certification

- An opportunity to assess your students' work in subjects that are typically difficult to evaluate
- Identify areas for improvement, whether that's at an individual or class level
- An affordable way to certify skills
- Boost students' confidence in STEM subjects with self-evaluation
- Take the exam online anywhere, at any time
- A springboard to more challenging learning with Arduino





Exam subject areas

You will answer questions that test your knowledge of these categories:

- **1. Electricity -** Understanding concepts such as resistance, voltage, power and capacitance, and how to measure and calculate them
- **2. Reading circuits and schematics -** Understanding how electronics are represented visually, and reading and analyzing electronic circuits
- **3. Arduino IDE -** Understanding the functionality of the Arduino development environment, serial communication, libraries, and errors
- **4. Arduino boards -** Understanding the constitution and capabilities of an Arduino board and the functions of its different parts
- **5. Frequency -** Understanding the concepts of Pulse Width Modulation (PWM)
- **Electronic components -** Understanding how various electronic components such as LEDs, sensors, buttons, and motors work, and how to use them in a circuit
- **7. Programming syntax and semantics -** Understanding the building blocks of the Arduino programming language such as functions, arguments, variables, and loops
- **Programming logic -** Ability to program various electronic components and read, analyze, and troubleshoot Arduino code









How does the Junior Certification exam work?

- The online exam consists of 25 questions with a 60-minute time limit
- Available in English
- Students receive their results immediately after submission, indicating whether they passed or failed
- Passing the exam will grant students the downloadable Arduino Junior Certification certificate





TWO WAYS OF GETTING CERTIFIED:

- 1. Exam only
- 2. Junior Certification Bundle







ARDUINO JUNIOR CERTIFICATION EXAM ONLY

You can purchase the exam on its own, with one attempt to pass.

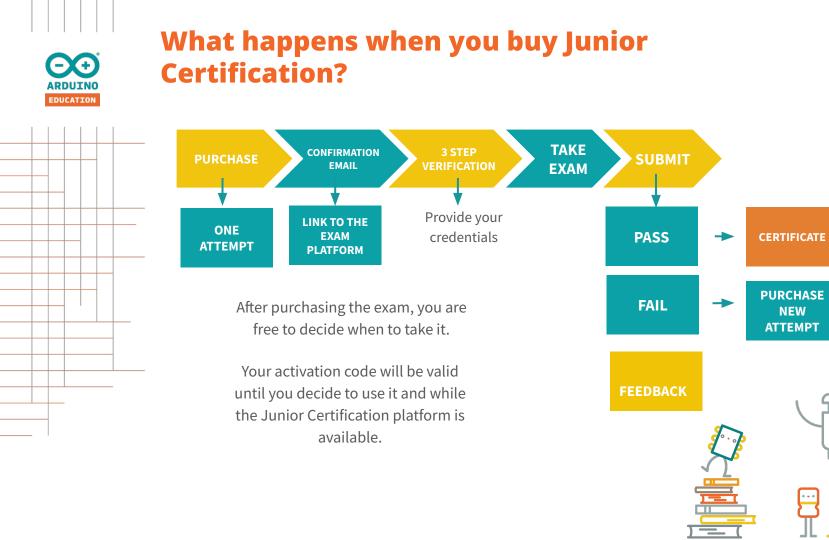




- Recommended for users who have completed the projects in the Arduino Student Kit or Education Starter Kit.
- Each exam code allows one person to take the Arduino Junior Certification exam. You can purchase multiple codes and share them with your class.
- After purchasing, you will receive the exam code to your email and are free to decide when to take it.







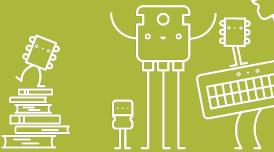




THE JUNIOR CERTIFICATION BUNDLE

You can purchase the exam with the Arduino Student Kit, including one attempt to pass the exam.





Junior Certification Bundle: Kit + Exam

- The bundle includes the **Arduino Student Kit** and an activation code, which can be used to unlock **one attempt at the Arduino Junior Certification exam**.
- Student Kit includes hardware and learning content with lessons and hands-on projects, covering the basics of programming, coding and electronics. It requires no prior knowledge or experience as the kit guides you through step by step.
- The more practical experience you have, the better your chances are of gaining the Arduino Junior Certification.











Arduino Student Kit

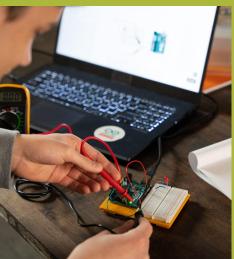
- For ages 11+
- Individual use
- Nine lessons and two open-ended projects
- Available in English, Spanish, Italian,
 German, Portuguese, Chinese, and
 Croatian















Includes

- 1 Arduino Uno Rev 3 board
- 1 Multimeter
- A collection of sensors and actuators
- Access to an online platform with learning content and extra resources
- Specific online content for educators, with guidance

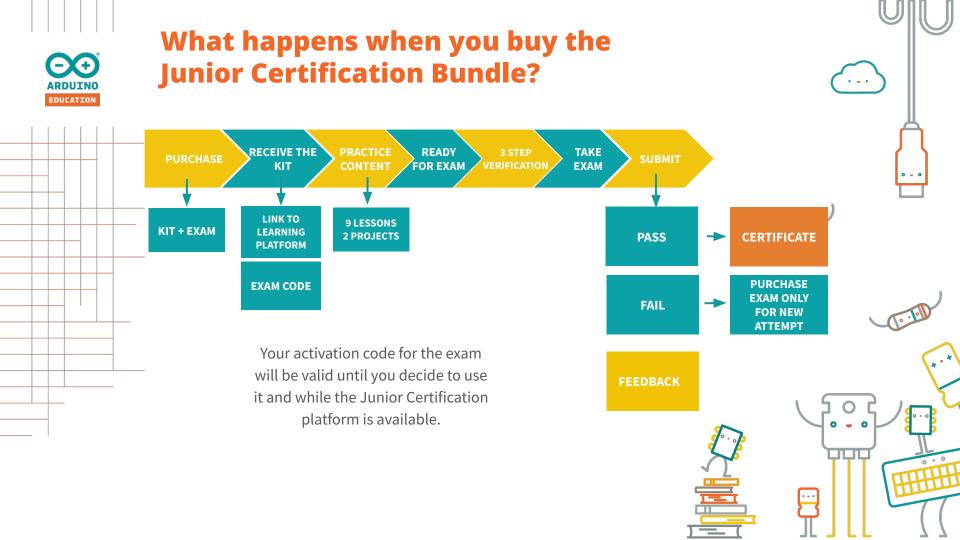












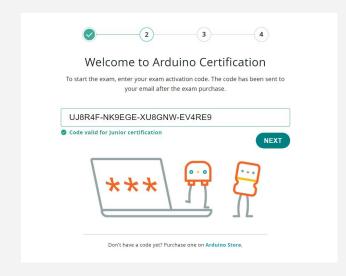




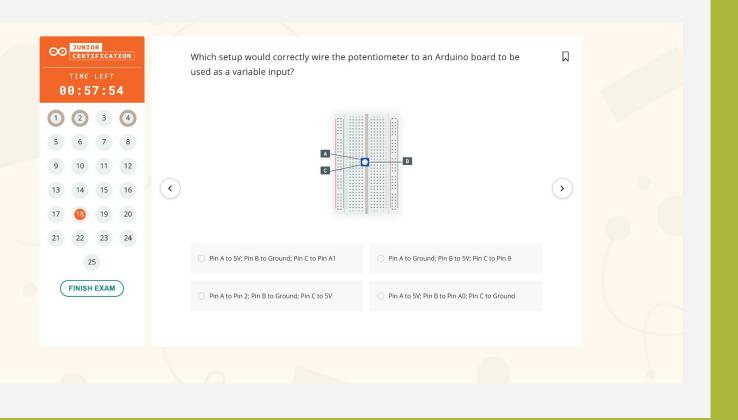
EXAM PLATFORM

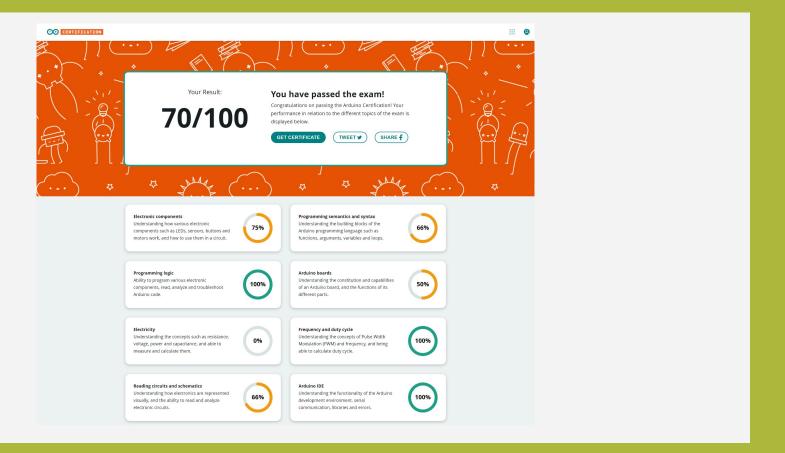
Overview

















Well done, you have passed!

Congratulations, you have successfully passed the Junior Certification exam!

You can check your result page for feedback on your performance and to download your certificate.

SEE RESULTS AND CERTIFICATE





You did not pass the exam

Unfortunately your score was not good enough to pass the Junior Certification exam.

Check your results to see feedback on your performance and the areas where you need to improve.

SEE MY RESULTS









FAQs

Can I purchase the exam for my school or organization? Yes, you can purchase multiple codes to certify your students, teachers, or team. You can buy the exam alone or in combination with the Student Kit (this is called the Arduino Junior Certification Bundle)



Does the activation code expire? No, the activation code doesn't expire, so you can decide when to take the exam. As long as the Arduino Certification platform is available and you haven't used the activation code, you are free to activate it whenever you want. However, once the activation code has been used it will expire.

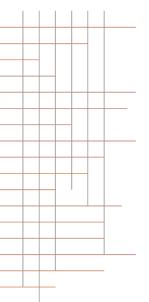
What's the difference between Junior Certification and the Arduino Certification? Junior Certification is based on topics covered by the Arduino Student Kit or Education Starter Kit, while Arduino Certification is based on the concepts introduced in the Arduino Starter Kit. Junior Certification is an entry level certification aimed at ages 14+ and/or those just starting out with Arduino, while the Arduino Certification is an intermediate qualification for those who've been using Arduino for longer.

Why is Junior Certification only available to ages 14+ when the Student Kit is for age 11+? We take online safety very seriously and that is why the recommended age is 14+. To access Junior Certification, students need to sign in to Arduino. Students aged 16 and up can create their own Arduino account or alternatively, students aged 14-16 can use their Google, Apple, Facebook, or GitHub account to sign in to Arduino.









That's a wrap Thank you!

Get in touch with the Arduino Education Marketing team if you have any questions.



