

Raspberry Pi

What is it?

The Raspberry Pi is a tiny computer that you can use to learn programming through fun, practical projects. They famously cost US\$35 and are valuable learning devices for high school students and older. They're also extensively used by industry.

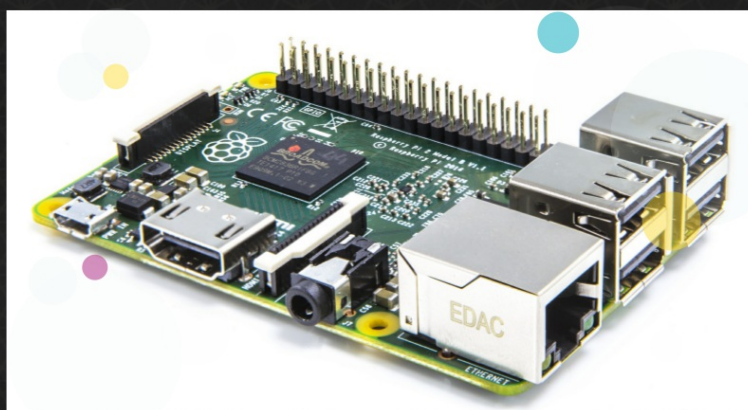
Students can make arcade gaming machines, media centres, run full computer operating systems and learn to code Python.

Requirements

Each student will need:

- 1x Raspberry Pi 3
- 1x USB Keyboard & Mouse
- 1x HDMI Screen
- 1x 8GB+ MicroSD Card

They can be purchased from Element14, RS Components, Altronics & Jaycar and often cost more than US\$35 from local suppliers.



Resources

Certainly better suited to high school students, Raspberry Pis are considerably more powerful than Arduinos and focus more on software than hardware. A computer-savvy instructor can use the online lesson plans to develop engaging projects for kids both in software and using connected devices.

Get started at: raspberrypi.org/education

**Raspberry Pis are available in various models.
The Raspberry Pi 3 is the most commonly used.**

