Learning through Digital Making

Oliver Quinlan
Senior Research Manager
Raspberry Pi Foundation
@oliverquinlan
oliver@raspberrypi.org
To put the power of digital making in the hands of people all over the world
The Raspberry Pi Foundation

- Projects
- Clubs
- Competitions
- Educator Support
The Raspberry Pi Foundation’s Curriculum for Digital Making

- Digital making, STEAM, project-based learning, and tinkering are at the core of our teaching philosophy which can be summed up simply as ‘we learn best by doing’.

- We’ve defined our own digital making curriculum that will help people everywhere learn new skills.

- It is for self-guided learners, parents, teachers and people who run digital making clubs at schools, community centres, and Raspberry Jams.

- Check out our Digital Making curriculum at rpf.io/curriculum
Code Club

- We provide free materials to run coding clubs for primary aged children and support a network of 1000s of clubs worldwide.
- Projects are fun and engaging, helping children to learn coding step-by-step in languages including Scratch, HTML/CSS and Python.
- [www.codeclubworld.org](http://www.codeclubworld.org).
CoderDojo

- A global network of free, volunteer-led, community-based programming clubs for young people.
- Anyone aged seven to seventeen can visit a Dojo where they can learn to code, build a website, create an app or a game, and explore technology in an informal, creative, and social environment.
- [www.coderdojo.com](http://www.coderdojo.com)
Pioneers

- Designed for young digital makers (aged 11-16) to get creative with technology and show the world what they are capable of
  - A series of themed challenges
  - Guidance, inspiration, mentorship and advice
  - Growing a community that helps young digital makers showcase their makes and share how they did it
  - Winning cool swag and money-can’t-buy experiences

Learn more at rpf.io/pioneers
Astro Pi

- Coding competition with the prize of running your code in SPACE!
- Made possible by two space hardened Raspberry Pi computers on board the International Space Station
- New competitions coming in the future for more ESA astronauts that fly to the ISS
- Free educational resources available on the website!

Check out astro-pi.org for more info
Online Training

Join our free educator focused training online to explore:

- Teaching Physical Computing with Raspberry Pi and Python
- Teaching Programming in Primary Schools

- Designed for educators, no prior experience needed.
- Launch dates throughout the year
- 4 weeks long, 2 hours per week.
- Next run 12 June

rpf.io/trainonline
Hello World
The new computing and digital magazine for educators

- **Get it free:** A new 100-page magazine that educators can download and have delivered free

- **By educators, for educators:** A platform for sharing ideas, innovations and experiences

- **Partnership between industry leaders:** Brought to you by Raspberry Pi, CAS, and BCS. The magazine is sponsored by BT.

- **Get involved:** This is your magazine. Suggest and write content today!

www.helloworld.cc