

Open {Schools} Tech

(School's *In!*)

Program or be programmed:

- the world is saturated with computer code: everything from fridges to singing birthday cards
- the people who write our code, create our world
- shouldn't everyone have the chance to create their own world, and not simply wander through the creations of others?

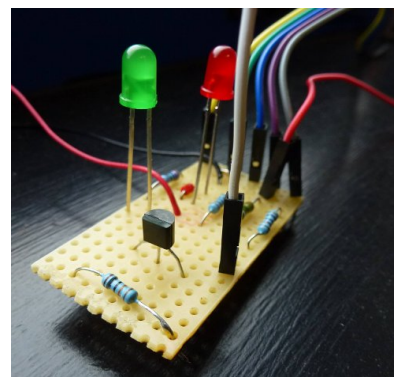
Computers in the UK Curriculum

- draft curriculum for schools: programming is back!
- good news for other subject areas: thinking logically, finding patterns in data can open our eyes to the world around us — to how birds flock, or populations grow, or economic crises play out
- develop our creativity, our concentration and our artistry
- asks schools to build 'a critical understanding of technology's impact on the individual and society'.

The Raspberry Pi

- a computer that schools don't need to worry about kids breaking, or abusing, or using to endanger their safety — providing they're careful with the soldering iron!
- designed to spend much of its life in pieces
- runs a free, open source operating system (Linux)
- not a finished, out-of-the-box product — it's a project, or a thousand projects — a robot remote control, a programmable camera, a parent alarm, a media center, an electronic paint brush

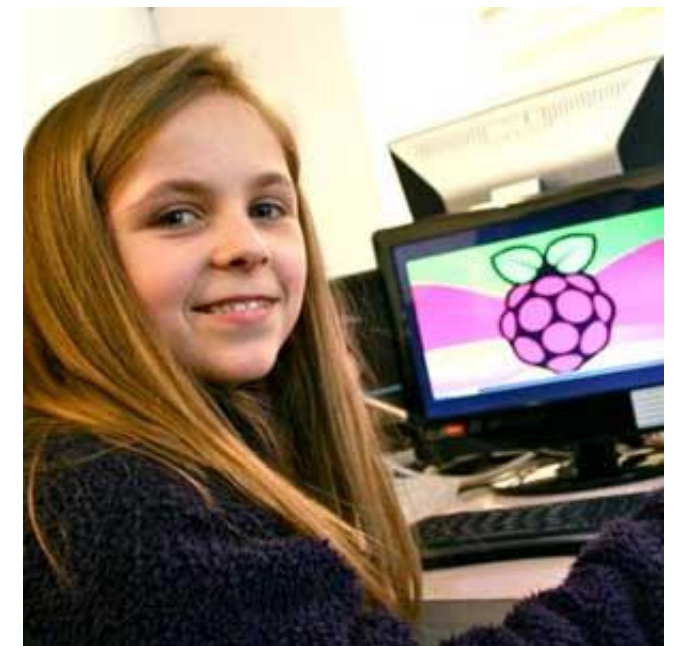
Google donated \$1,000,000
for Pi hardware in schools:



<http://Pi.GATE.ac.uk/>

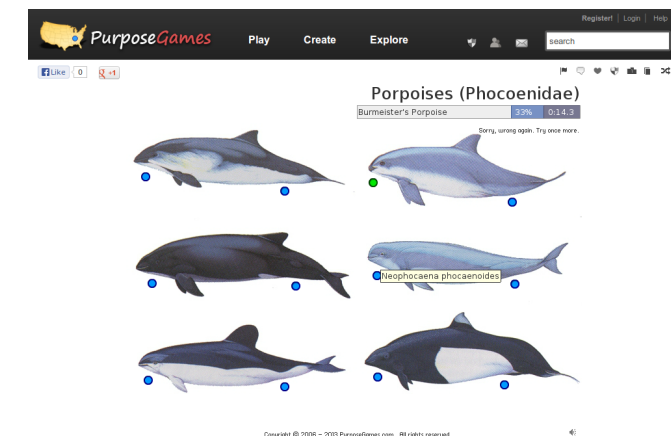
"At Boots
science is for
boys and pink
princess toys
are for girls"

Amy Mather (14-year-old Pi
hacker) at Wuthering Bytes,
September 14th 2013.



What to do?

- Barbie the programmer?!
Princess Pi? Pink Electronics?
- Games with a porpoise?



Wanted:

- Better role models
- Better opportunities
- End discrimination

Get involved:

