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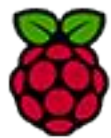
Hack Day Organiser, Technology Education Consultant,
STEMNet Ambassador, Code Club Volunteer
and Raspberry Jambassador

Doing ~~stuff~~^{*} with a Raspberry Pi

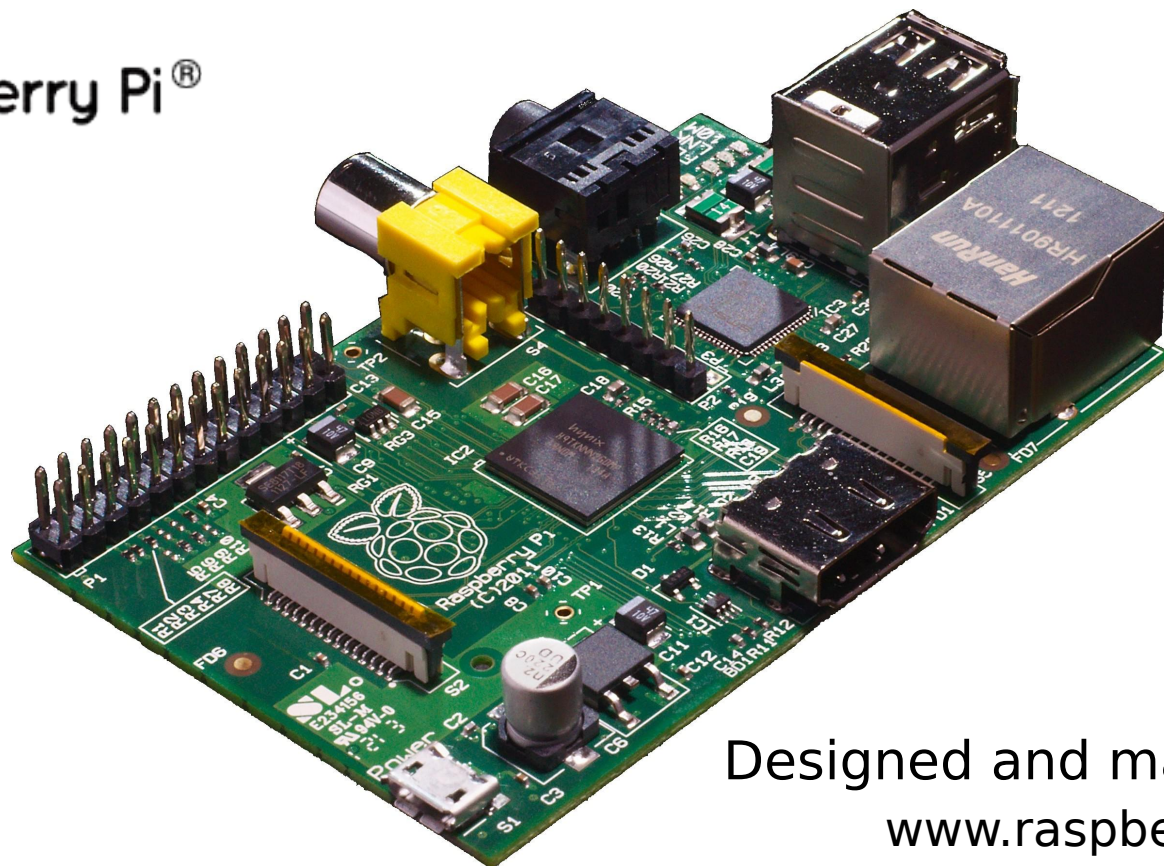
*with thanks to Marc Scott (@Coding2Learn) for the title inspiration

The Raspberry Pi

A single board, credit card sized, general purpose computer



Raspberry Pi®

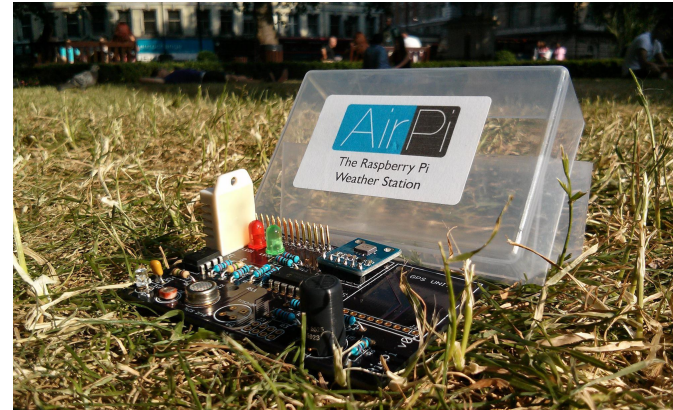


Designed and made in the UK!
www.raspberrypi.org

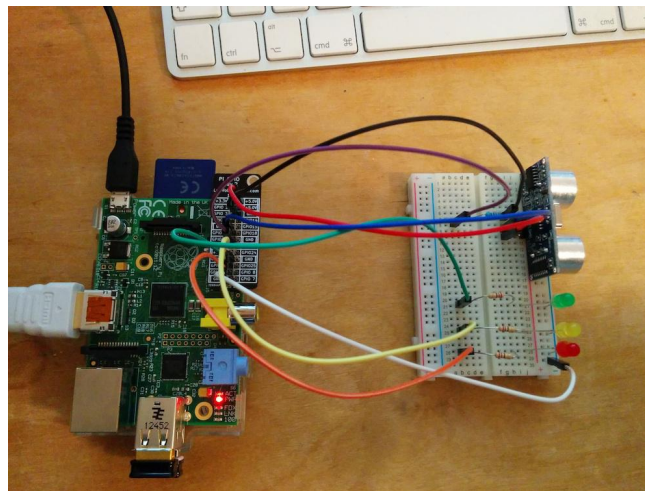
Learn about electronics



github.com/StMarys-CofE-PrimarySchool/PiWayCode



airpi.es

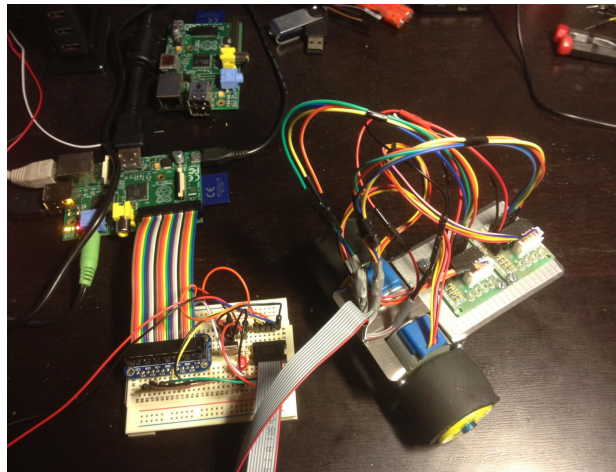


github.com/NeilCFord/BrightonScienceFestival

#tmbton
March 12, 2014

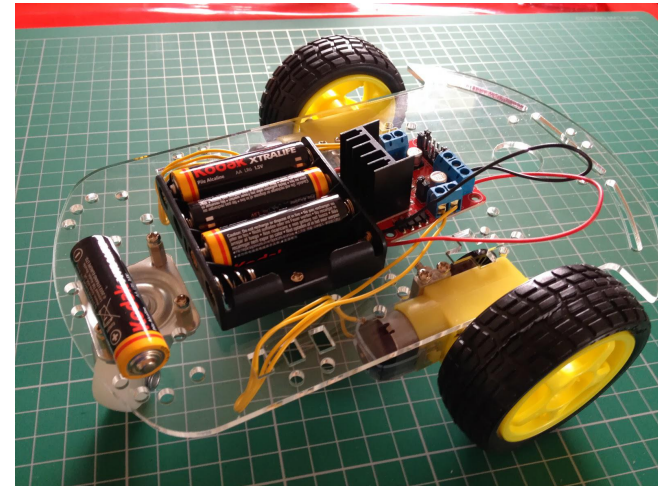
TeachMeet Brighton

Robotics on the cheap

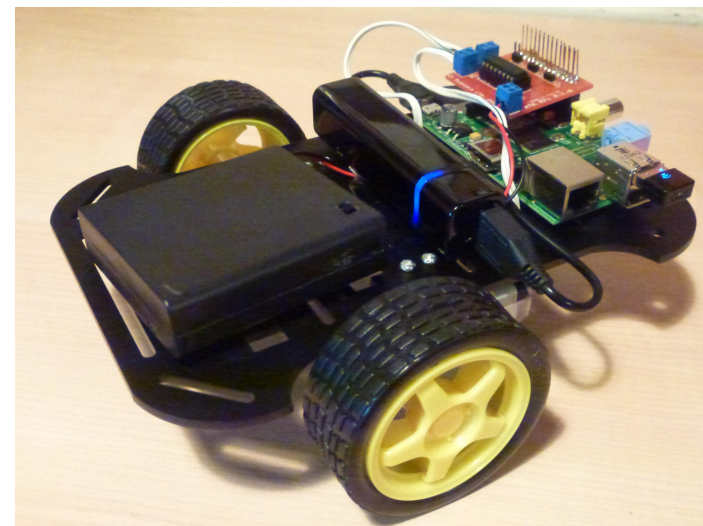


Keiron Spinner

community.computingschool.org.uk/resources/1347



winkleink.blogspot.co.uk/



www.indiegogo.com/projects/ryanteck-budget-robotics-kit-for-raspberry-pi

Do more with Lego Mindstorms



www.dexterindustries.com/BrickPi/

Make music...

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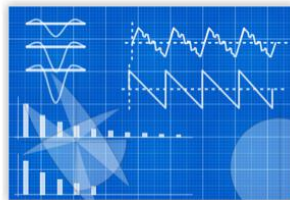
Making Computer Science Audible

Sonic Pi is an open source programming environment designed to explore and teach *programming concepts* through the process of creating new sounds. Sonic Pi comes with an associated *scheme of work* which emphasises the importance of *creativity* in the learning process and gives users the *control* to turn their sonic ideas into reality.

```
sudo apt-get update ; sudo apt-get install sonic-pi
```

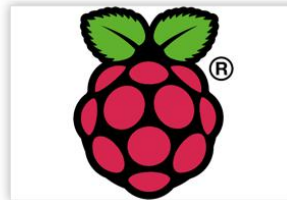
Get KS3 Scheme of Work

Make the music you want and have fun learning programming while you play.



Classroom Ready

Sonic Pi comes with an associated *scheme of work* targetted for KS3 introductory Computer Science. This has been developed in harmony with



Designed for Raspberry Pi™

Sonic Pi has been designed from the ground up to work with the *Raspberry Pi™*. All you need to convert your RPi into a music environment is



Simple and Fun to Program

Sonic Pi has been designed to be as simple as possible to get started coding sounds and rhythms. Simply type your program, press play and

www.cl.cam.ac.uk/projects/raspberrypi/sonicpi/

Take a look around...



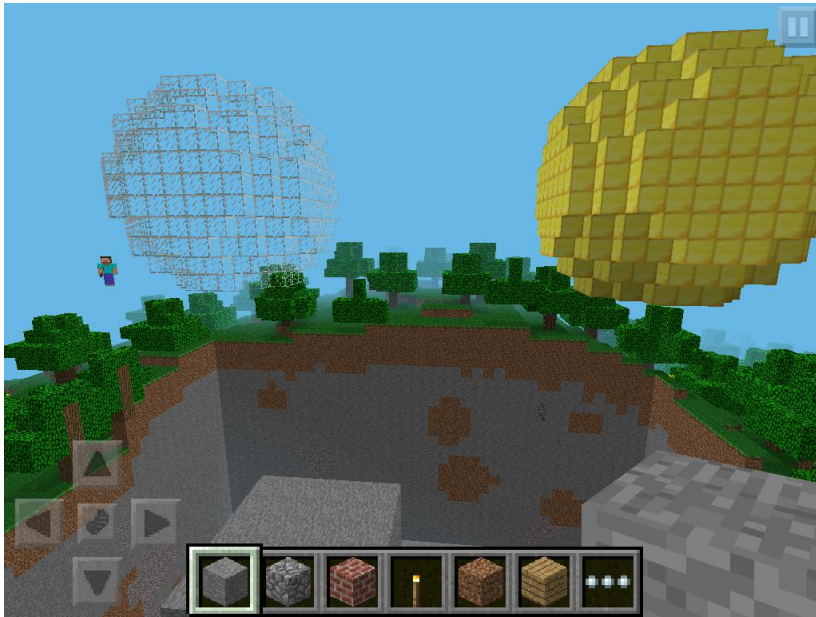
#UPSTAGRAM, a Hackerloop creative hack into Instagram

The colorful flying house from the movie UP! recently crossed the sky above Paris, just between the Eiffel Tower and the Sacré Coeur! On board, an open-source electronic device, a Raspberry Pi, publishing live pictures on Instagram.



hackerloop.com/upstagram/

And do clever things in Minecraft!

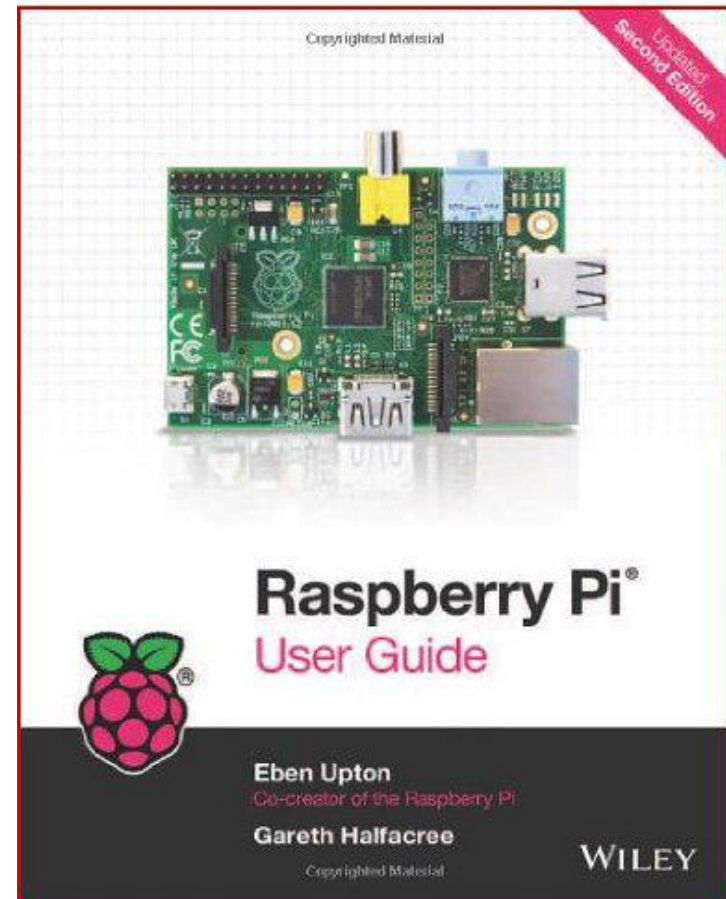
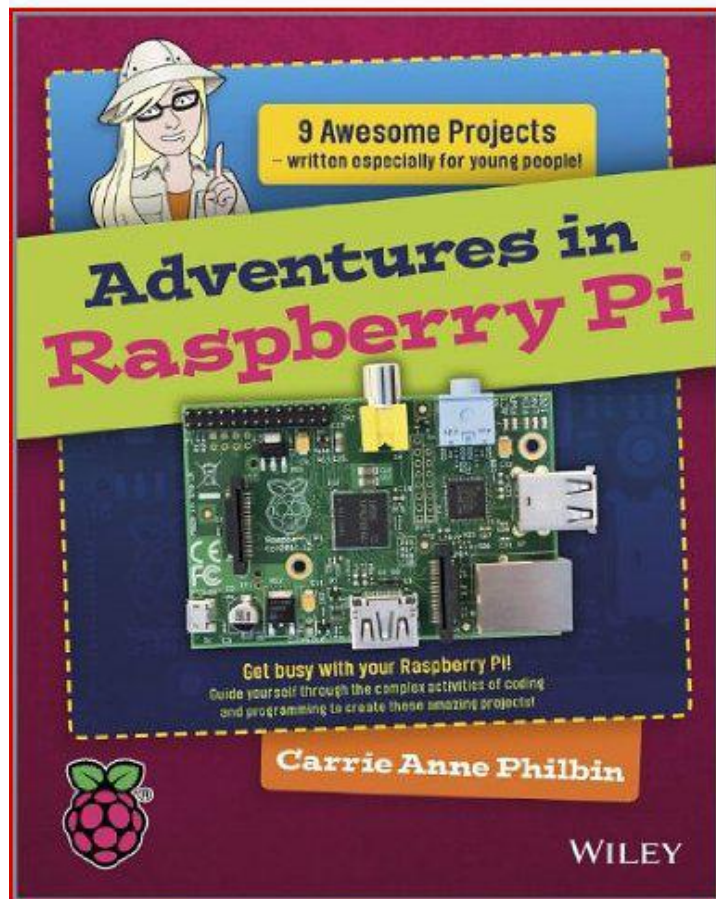


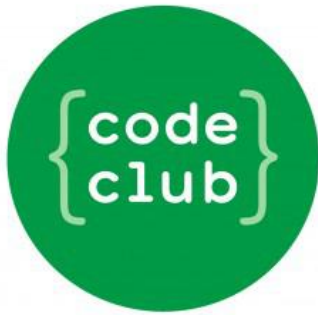
Martin O'Hanlon
www.stuffaboutcode.com

#tmbton
March 12, 2014

TeachMeet Brighton

Recommended Books





codeclub.org.uk
github.com/codeclub

piweekly

— Irrational, but well rounded —

piweekly.net



raspberrypi.org.uk



themagpi.com

As Babbage has shown...



the sky really is the limit!

Questions?

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