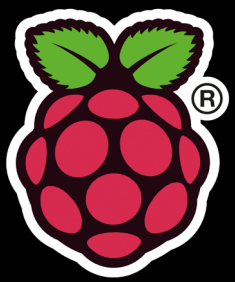
INFORMATION TECHNOLOGY

RESOURCES LINK

RASPBERRY PI

Version 1

January 2013



OCR

WELCOME

Resources Link is an e-resource, provided by OCR. It provides descriptions of, and links to, a variety of teaching and learning resources that you may find helpful.

Where appropriate, we have mapped the resources to the OCR specifications, and provided information about their cost and format.

If you know of other resources that you feel would be good to share, or discover broken links, please let us know. We would also like to hear from you if have any feedback about your use of these, or other, OCR resources.

Please contact us at resourcesfeedback@ocr.org.uk

Types of Resource

OCR Produced Resources
These are resources devised and produced directly by the Resources Development Team at OCR.

Other Resources
Unless specifically stated these resources are completely independently produced and are not endorsed by OCR. We have looked at them though, and we think they could be useful in supporting your delivery of our specifications.

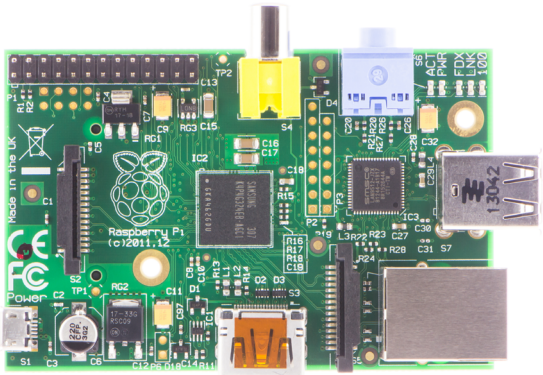
We leave it to you, as a professional educator, to decide if any of these resources are right for you and your students, and how best to use them.

You can now click here, if you want to see an index of all resources mapped to subject topics, or alternatively flick the bottom right-hand corner of the page to start browsing.

RASPBERRY PI

The Raspberry Pi is a credit-card sized computer that has been developed in the UK by the Raspberry Pi Foundation.

Find out more on the Official Raspberry Pi website where you will also find forums, FAQs, downloads and much more http://www.raspberrypi.org/



A MAGAZINE FOR RASPBERRY PI USERS

This monthly magazine offers help and advice to users of the Raspberry Pi. It contains innovative ideas including a regular feature surrounding the build of a Skutter!

It also contains competitions, interviews and details of events and has regular features on different programming activities using both Scratch and Python.

Supports:	All OCR ICT/Computing qualifications
Cost:	Free
Format:	Website (although issues can be purchased in hardcopy)

http://www.raspberrypi.org/magpi/

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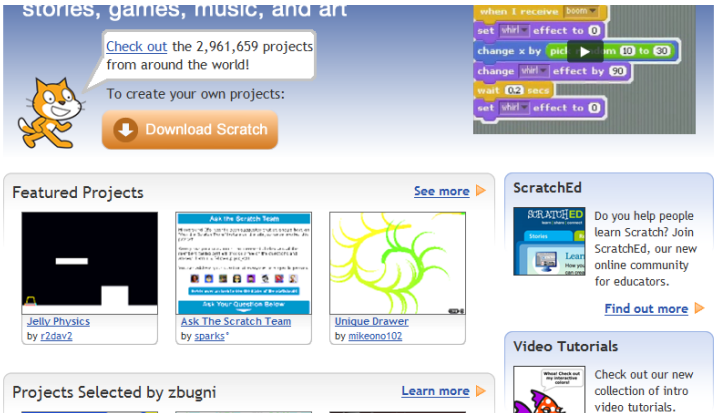
SCRATCH PROGRAMMING



Scratch is a programming language learning environment aimed at beginners which intends to motivate through playful experimenting.

This is the official Scratch site where Scratch is available to download. It allows users to share their own creations – there are games, stories, video tutorials and many other projects.

Supports:	OCR Entry Level Computing, GCSE Computing, OCR Cambridge Nationals in ICT
Cost:	Free
Format:	Website

http://scratch.mit.edu/

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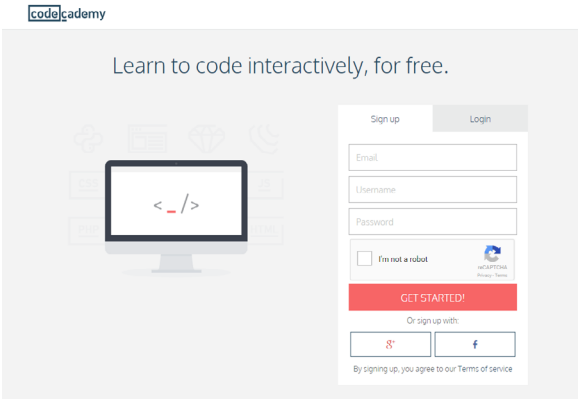
CodeAcademy



One of the programming languages included on the Raspberry Pi is Python. CodeAcademy offers excellent interactive tutorials on how to code in Python. Other tutorials include HTML/CSS and JavaScript.

Supports:	OCR Entry Level Computing, GCSE Computing, OCR Cambridge Nationals in ICT
Cost:	Free
Format:	Website

http://www.codecademy.com/
For Python specifically: http://www.codecademy.com/tracks/python

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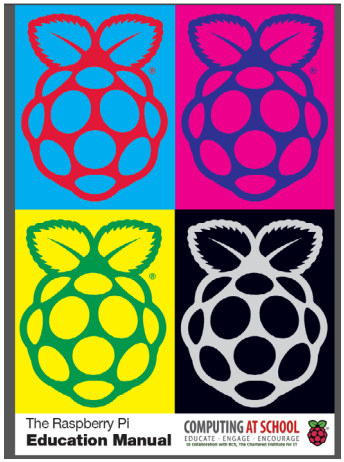
THE RASPBERRY PI EDUCATION MANUAL



This manual developed by the Computing At Schools group is packed full of tutorials including Scratch, Python and the Linux Command Line. The manual is still undergoing updates so check back regularly for new content.

Supports:	OCR Entry Level Computing, GCSE Computing, OCR Cambridge Nationals in ICT
Cost:	Free
Format:	PDF - Download from Raspberry Pi Store

http://downloads.raspberrypi.org/Raspberry_Pi_Education_Manual.pdf

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RASPBERRY JAM

Raspberry Jams are meetings where enthusiasts go to exchange tips, tricks and ideas for the Raspberry Pi. The Raspberry Jam website gives details on upcoming Jams and highlights of previous ones.

Supports:	All OCR ICT/Computing qualifications
Cost:	Free
Format:	Website

http://raspberryjam.org.uk/

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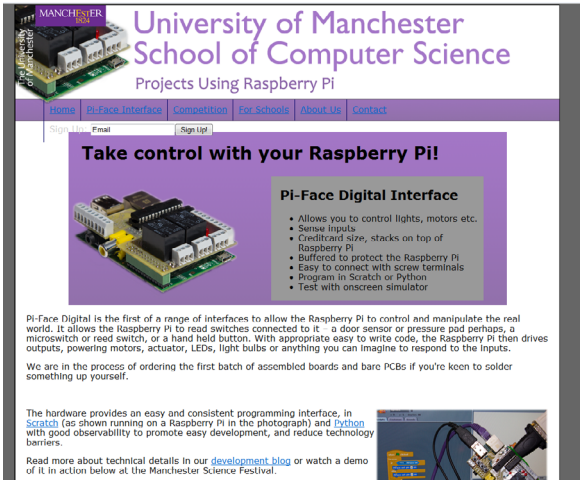
PI FACE



Developed by the University of Manchester the Pi Face board easily attaches to the Raspberry Pi and allows you to safely and easily connect inputs and outputs. Check back regularly for updates on availability.

Supports:	All OCR ICT/Computing qualifications
Cost:	£30 per unit
Format:	Hardware

http://pi.cs.man.ac.uk/interface.htm

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LibreOffice

LibreOffice is a fully fledged office suite that can be run from the Raspberry Pi. It has the complexity to be used for producing ICT solutions up to GCE level. It also includes a database management system allowing students to experiment with creating and querying relational databases. Available for free from the Raspberry Pi Store.

Supports:	All OCR ICT/Computing qualifications
Cost:	Free
Format:	Application

http://store.raspberrypi.com/projects/libreoffice

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LINUX MAN PAGES

For those Raspberry Pi users new to using Linux this site contains a comprehensive list of the commands available from the console. Useful for stimulating discussions around operating systems and types of interface.

Supports: GCE Computing

Cost: Free

Format: Website

http://www.linuxmanpages.com/

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LEARN SCRATCH

This site contains a set of tutorials to help get to grips with Scratch. Students can follow these tutorials at their own pace.

Supports:	OCR Entry Level Computing, GCSE Computing
Cost:	Free
Format:	Website with video tutorials

http://learnscratch.org/

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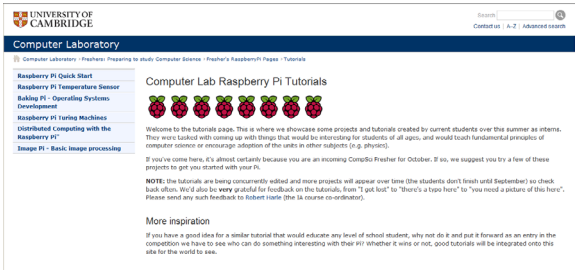
UNIVERSITY OF CAMBRIDGE RASPBERRY PI TUTORIALS



A set of tutorials created by students at the University of Cambridge. These projects are particularly suited to enthusiastic GCE Computing Students.

Supports:	GCE Computing
Cost:	Free
Format:	Website

http://www.cl.cam.ac.uk/freshers/raspberrypi/tutorials/

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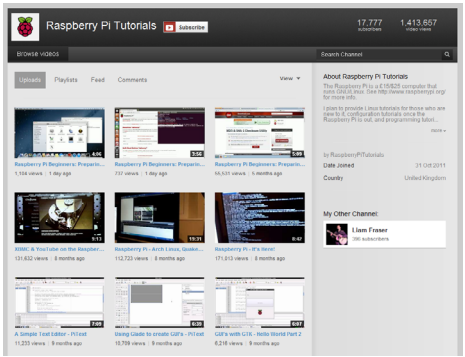
RASPBERRY PI TUTORIAL VIDEOS (YOUTUBE)



These video tutorials cover how to set up your Raspberry Pi and start programming.

Supports:	All OCR ICT/Computing qualifications
Cost:	Free
Format:	Online Videos

http://www.youtube.com/user/raspberrypitutorials

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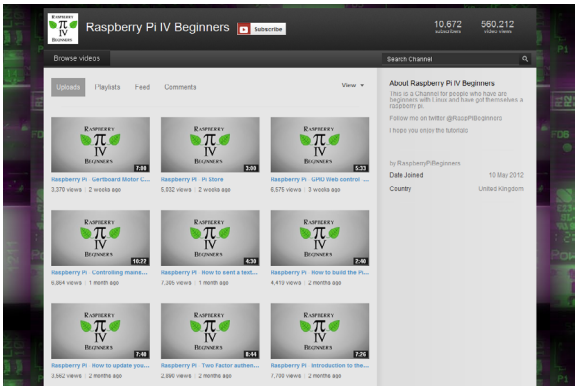
RASPBERRY PI IV BEGINNERS VIDEOS (YOUTUBE)



A big collection of video tutorials and mini projects with different things that can be done using the Raspberry Pi.

Supports:	All OCR ICT/Computing qualifications
Cost:	Free
Format:	Online Videos

http://www.youtube.com/user/RaspberryPiBeginners

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