Raspberry Pi Classroom Projects

Steven Bolting TCEA February 5, 2014

What is a Raspberry Pi (R-Pi)?

http://www.slideshare.net/ltg_oxford/raspberry-pie-an-introduction# (With links to many text resources.)

Quick Start Guide

http://www.raspberrypi.org/quick-start-guide

http://www.raspberrypi.org/wp-content/uploads/2012/04/quick-start-guide-v2 1.pdf

Formatting an SD card

https://www.sdcard.org/downloads/formatter 4/eula windows/

How do you install your OS on the SD card?

http://www.raspberrypi.org/downloads

Where did we get our R-Pi?

http://www.adafruit.com/category/105

http://www.adafruit.com/blog/2012/12/13/new-product-raspberry-pi-sticker-raspberry pi-raspberrypi/

3D Printer case for R-Pi

http://marcoalici.wordpress.com/2012/02/29/me-and-the-raspberrypi-2/

Sources	οf	R-Pi	pro	iects

RaspberryPi.org

http://www.raspberrypi.org/archives/tag/schools

http://www.raspberrypi.org/phpBB3/viewforum.php?f=15

Ada Fruit

http://www.adafruit.com/blog/category/raspberry-pi/

http://learn.adafruit.com/category/learn-raspberry-pi

ReadWrite.com

http://readwrite.com/2014/01/21/raspberry-pi-great-projects#awesm=~ouPqur9fDv8Vbo

Google+ posts on the Raspberry Pi

https://plus.google.com/+raspberrypi/posts

Scratch on the Raspberry Pi

http://scratched.media.mit.edu/discussions/teaching-scratch/scratch-raspberry-pi

Python applications on the Raspberry Pi

http://www.raspberrypi.org/archives/tag/python

Other Projects Created by Kids

http://www.techradar.com/news/computing/8-great-raspberry-pi-projects-created-by-kids-1143243

40+ Cool ideas for the Raspberry Pi

http://pingbin.com/2012/12/30-cool-ideas-raspberry-pi-project/

Building a Network of Raspberry Pis

http://www.linuxuser.co.uk/tutorials/building-a-network-of-raspberry-pis

Using a breadboard with a Raspberry Pi – (A project we did in class)

Note: You must type in - sudo python - at the beginning of this code to get it to work. You must also manually input the tabs that are in the code and follow python code conventions.

http://roverpi.blogspot.com/2013/06/getting-leds-to-light-up-with-raspberry.html

R-Pi and StuffAboutCode.com

http://www.stuffaboutcode.com/p/raspberry-pi.html

R-Pi board layout

https://www.google.com/search?q=raspberry+pi+pin+diagram&source=lnms&tbm=isch&sa=X&ei=ZL3vUqQOllGpAZXpgTg&ved=0CAgQ AUoAg&biw=1219&bih=764#facrc= &imgdii= &imgrc=O1HshTtXk31- M%253A%3BQkdz1K-

eUMnPxM%3Bhttp%253A%252F%252Fwww.codeproject.com%252FKB%252Fsystem%252F424 615%252FRPi_ModelB.png%3Bhttp%253A%252F%252Fwww.codeproject.com%252FArticles%2 52F424615%252FRaspberry-Pi-Episode-1-The-journey-begins%3B640%3B365

TrustedReview.com - Raspberry Pi Top 5 Ideas

http://www.trustedreviews.com/opinions/raspberry-pi-10-best-uses-for-the-25-computer

How to videos on Pi Projects

The Ben Heck Show - Build a Retro Computer: The Raspberry Pi!

http://www.youtube.com/watch?v=DWI1CcJM0y8

Build Your Own Portable Raspberry Pi (Part 1) * 3D Printer needed for project

http://www.youtube.com/watch?v=dUZjzQuTNX4

Build Your Own Portable Raspberry Pi (Part 2)

http://www.youtube.com/watch?v=7DVyHE8MJLY

Programming Contests using Raspberry Pi

http://www.raspberrypi.org/archives/2544

Conversations about using the Raspberry Pi

A FREE Raspberry Pi to each child is a bad idea, says its designer

http://www.zdnet.com/a-free-raspberry-pi-for-every-child-is-a-bad-idea-says-its-designer-3040155372/

The Digital Shift on R-Pi

http://www.thedigitalshift.com/2013/08/k-12/life-with-raspberry-pi-this-slim-25-computer-is-hot-and-showing-no-signs-of-cooling-off-it-may-just-spark-a-coding-revolution-in-schools/

Code Club review of the Raspberry Pi

https://www.codeclub.org.uk/raspberry-pi

MathWorks requires user registration before allowing viewing of video demonstrations.

http://www.mathworks.com/videos/raspberry-pi-programming-using-simulink-81996.html?form_seq=conf1386&confirmation_page&wfsid=5260688

References

All links are from the source of the information and were lasted visited February 3, 2014.