Kano World

on the Raspberry Pi

Set up your own little computer and explore the educational and creative coding environment provided by old copies of Kano World!

First launched in 2014, Kano levereged the capabilites of the new Raspberry Pi computer to provide a fun coding environment for kids. Currently they're planning a new release, but the old files are still kicking around on the internet and they still provide and fantastic way to start programming without the need for an internet connection.

Kano is designed for students aged 8-14, typically in grades 3-8 or Stage 2-4. Whilst younger children (ages 6-7) might need extra help with reading instructions and typing, older students can explore physical computing with additional sensors or boards and undertake advanced coding projects in Scratch or Python.

What you need:
- A Raspberry Pi: model 2B or newer
- A USB keyboard and mouse
- A micro SD card or two, 8GB or bigger
- A micro USB power cord and 5V 2A power supply

Over 5 weeks you will learn how to set up your own computer and explore a bunch of coding activites including:
- Adapt the classic Snake game using python
- Tweak Pong using Google's blockly editor
- Hack Minecraft using blocks
- Make your own synthesized music
- and much more!