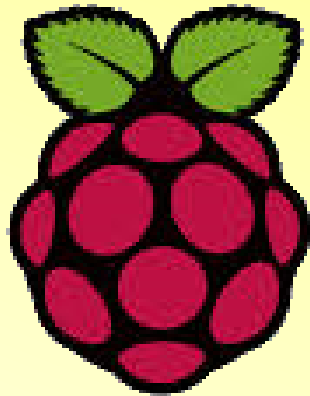# Raspberry Pi

By Declan Fox

Raspberry Pi

The **Raspberry Pi** is a series of credit card-sized single-board computers developed by the Raspberry Pi Foundation to promote the teaching of basic computer science .

Raspberry Pi

Advantages

- Access to loads of technology due to Linux operating system

- Easy to build hardware/physical computing projects due to GPIO pins

- Breakable if you mess up the software you just reload the SD card and start again. If you damage the Raspberry itself it only costs around €35 to replace

Raspberry Pi

My Demo remotely turns on a LED using

- Web server

- CGI

- Database

- Python

- Html

- Gpio pins

Raspberry Pi

Useful bits and pieces

- Android charger

- SD card (4gb+)

- Patch/Ethernet Cable

- Breadboard, break-out board

- Add on modules (i.e. Pibrella)

- HDMI cable

- Have a look at what others have used