Exploration project options

There are many possibilities for “exploration”. Remember you only have to choose **one** of them.

# Kit options

This includes devices in the kit that we haven’t used in labs. These include:

* LCD display (I2C)
* Water level sensor
* Remote control and infrared receiver
* 4 digit 7 segment display
* 74HC595 chip to extend GPIO pins using SPI
* Joystick using ADC
* Temperature and humidity sensor

# Other options

These don’t involve other devices; instead they involve other programming options. These include:

* Using *interrupts* for the Ultrasonic distance sensor
* Making a program run when the Pi boots up, rather than having to wait until it is started manually (What about shutdown?)
* Wifi interaction
* Bluetooth interaction