



# purple

intelligent spaces

## Purple Challenge

At Purple we're all about intelligent spaces: collecting and analysing information from our environment and using that data to make things happen. We're going to bring a bag of sensors for collecting information about our environment, single-board computers (Raspberry Pis) and some output devices (eg LED displays).

### Our Challenge

We challenge you to create something interesting or fun by collecting information and making something happen!

For example this could be a game that rates who can shout the loudest with an LED display that changes colour depending on how loud someone is shouting, or something that opens or closes some virtual blinds depending on the amount of sunlight that could be used later to connect to some real blinds.

We'll provide sensor kit for:

- Temperature and Humidity
- Digital Light
- Luminance
- UV
- Sunlight
- Loudness
- Ultrasonic Ranger
- Barometer
- Sense HAT

### Our Prize

Purple will give the winning team a Raspberry Pi 3 Starter Kit each!

For more information on Purple, [click here](#).

To register to take part in the 2017 Tameside Hack, [click here](#).