



Short workshops on making interactive prototypes using electronics, coding and other easy tech.

Tuesdays and Wednesdays 2-5pm throughout the summer.

# Summer School

TASTERS

August:

**Tues 5th**      **Wearable tech taster**

**Wed 6th**      **Raspberry Pi taster**

**Tues 12th**    **Gadgeteer taster**

**Wed 13th**    **Pure Data taster** [with William Aikman]

**Tues 19th**    **Electric Imp taster**

**Wed 20th**    **Firefly taster** [with Rob Harvey]

**Tues 26th**    **Make your own Arduino**

**Wed 27th**    **Processing 101** [with Paul Maguire]

IN DEPTH

September:

**Tues 2nd**      **Arduino 101**

**Wed 3rd**      **Working with input components**

**Tues 9th**      **Working with output components**

**Wed 10th**     **Interfacing Processing and Arduino**

**Tues 16th**     **Solder like a Pro**

**Wed 17th**     **Thermochromics taster**

- wearable tech the easy way, using Arduino Gemma.
- embedded computing with a bit more punch. Make an audio sampler.
- small but sophisticated electronic prototypes.
- visual programming for interactive audio artworks.
- it's an 'internet of things', er, thing.
- manipulate 3D models in Rhino using physical sensors and Arduino.
- learn how to make your own Arduino for £7 or less.
- easy coding for audio/visual artworks and prototypes.

- easy coding for embedding computers in artworks and prototypes.
- looking at everything from buttons to proximity sensors.
- looking at everything from LED lights to controlling motors.
- three different ways to make the physical talk to the virtual.
- learn to solder well, and how to de-solder to make things better.
- heat activated colour changing things, powered by electricity.

Workshops are open to all Design School staff, postgraduate students and members of Artschool I/O, and will take place on campus.

For more resources, visit [artschoolio.wikispaces.com](http://artschoolio.wikispaces.com) or [facebook.com/groups/Artschoolio](https://www.facebook.com/groups/Artschoolio)

**Register to avoid disappointment - email Roy Shearer on:**

**[r.shearer@gsa.ac.uk](mailto:r.shearer@gsa.ac.uk)**

Venue and any requirements will follow.