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| Title of workshop and Skill Level: |
| Build your own hand-held game console with Arduino! |
| Skill Level |
| Recommended intermediate and above. Beginners are still more than welcome! |
| Duration of workshop: |
| 1 – 2 hours |
| Details: |
| Using the Arduino hardware platform and an LCD screen we will be building circuits and writing code to draw items on the screen and build our own arcade game and/or digital etch-a-sketch.  All you need to take part is a laptop with the arduino software installed, available here: [http://arduino.cc/en/Main/Software#toc2](http://arduino.cc/en/Main/Software" \l "toc2) available for Windows (and windows 8) mac and Linux. |
| Preparation and Equipment: |
| PLEASE READ THIS BIT!  We will be providing all of the components you will need to build your game. All you will need is a laptop with the Arduino software installed. PLEASE please please do this before arriving or you might spend too much of your time staring at a loading bar! The software can be downloaded here: [http://arduino.cc/en/Main/Software#toc2](http://arduino.cc/en/Main/Software" \l "toc2) and is available for Windows (and windows 8) mac and Linux. |
| Number of participants: |
| Up to 15 groups per session. Groups can be any number but three is probably a good maximum |
| Any other information: |
| Anything else you would like to say? |
| Expected Expenses if any: |
| Cost of buying the Arduinos, screens and other components.. |
| **Name of workshop facilitator:** |
| Ben Marshall |