

## **Information for Group Leaders**

### **How Why DIY - Workshops for young people**

These workshops are supported by Merseyside Play Action Council and are offered for you to choose from.

Each workshop will be 3 hours long and we are able to undertake two workshops at your venue, these would preferably be on the same day. Sessions available are Morning, Afternoon, and early Evening.

- 1. Be a citizen reporter**
- 2. Run your own TV station**
- 3. Fii Spray**
- 4. Creating Frankentoys**
- 5. Vegetable Music**
- 6. Drawbots**
- 7. Arcade Gaming – Retro Style**
- 8. Build your own website**
- 9. Hack your toys**
- 10. Gaming and Nintendo Hack**

**Please feel free to call us on 07940584482 to discuss in more detail**

The information below is suitable for your noticeboards

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## **Be a citizen reporter!**

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Be an journalist for the day, chase down interesting stories and get to the FACTS!

Ask the essential questions and get to the truth behind the stories as we send you on a mission to find the answers. We'll be going out to interview people about important issues in their area.

We'll teach you how to interview people, get the truth and how to write up your report.

We'll be using using sound and video recording equipment.

**Ages: up to 13**

**Group Size: 10**

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## **Run your own TV station**

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### **Create storylines, news and interviews**

Create your own TV schedule and decide who the presenters are, as you recreate a newsroom.

You'll be connecting the cameras, running the devices and Shouting 'Lights Camera Action' for a workshop that will give you the chance to present live.

We'll need camera operators, a director, presenters, a weather forecaster and roving reporters to make this work. Are you up for it?

We'll be using live internet technology to broadcast in the same way as TV today.

**Ages: up to 13**

**Group Size: 10**

**NB. Internet access needs to be fast at the venue for this workshop.**

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## Frii Spray

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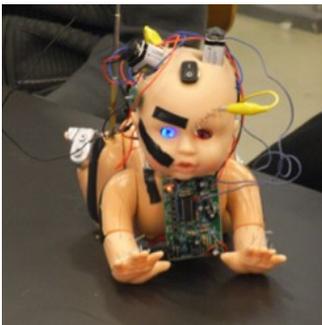
Create graffiti using a modified Nintendo Wiimote, Infrared LED, projector and say goodbye to paint fumes and expensive interactive whiteboards

Learn how Wiimote technology works behind this unique system that “Sprays” virtual paint direct to a whiteboard or projector screen. Then create your own tag and share your creations.

**Ages: up to 13**

**Group Size: 10**

**Needs a large dark room to setup screen and projector**



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## Creating Frankentoys

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Taking old and recycled toys you'll be taking them apart and creating new and frightening unearthly things to scare your friends with.

Using a variety of old toys from soft to plastic, you'll use glueguns and other methods to rearrange and reconstruct new heros or villains just like the horrible toys in “Toystory”.

**Ages: up to 10**

**Group Size: 10**

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## Vegetable Music

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Learn how to make music, sound and energy with potatoes parsnips and carrots! Take your everyday household vegetable and turn it into a musical instrument.

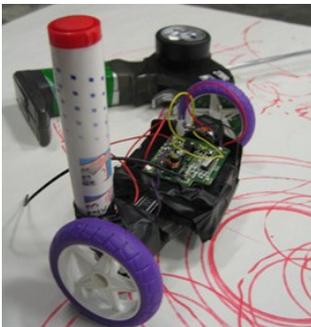
Using wires and electronics we wire up potatoes for sound and create music from the famous chips.

Along the way you'll get an understanding of basic electronics, electrical resistance and the history of audio synthesis from the simplest musical reed to a 555 timer electronic chip.

In the kitchen you can't hear the potatoe SCREAM

**Ages: up to 13**

**Group size: 10**



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## Drawbots!

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Learn basic principles of robotics to make automatic drawing machines with paper cups batteries and electric motors.

This is a fun session for all ages where we make and build simple robots and show you how they can be controlled and draw.

**Ages: up to 13**

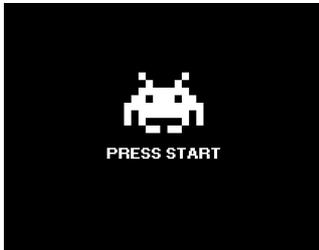
**Group Size: 10**

**Needs large flat area for drawing area and tables for construction**

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## Arcade Gaming: Retro Style

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Do you like computer games?

Is that a silly question. But do you know how they started out?

We'll be setting up computers with dozens of classics like Pac-Man, Space Invaders for you try them out.

See how these games lead the way for the modern epics today.

**Ages: up to 13**

**Group Size: 10**

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## Building Your Own Website

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Sure Facebook, Twitter and all the rest are fun. But have you ever wanted to make a proper website of your own?

We can show you how to do it for free, using Wordpress.com the most popular website platform in the world.

Set up your own corner of the web with photos, videos, blog posts and whatever else you want.

We'll be creating an account, styling your new site, and showing you how to upload images, audio and videos.

**NB: This workshop requires internet access**

**Ages: 13 upwards**

**Group Size: 10**

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## Hack your toys

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Don't throw that noisy annoying toy away as we can show you how with a few new cheap electronic toys a gluegun and soldering Iron you can modify it into a unique musical device!

Hacking is not just an illegal activity it's a way of re-purposing something and understanding how it works

Annoyingly great fun!

**Ages: up to 13**

**Group Size: 10**

**Requires Old Toys to 'hack'**

**Supervised soldering**

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## Gaming and Nintendo Hacking

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Get more out of your old Nintendo?



Work with free music software made by independent game developers for Nintendo DS and Wii remotes.

We will show you how to control and play sampled audio to create unique music and noise, while understanding how Wiimotes and Bluetooth really work and their historical origins.

Most younger teenagers' homes have Nintendo products of some kind; this can often be re-used in surprising ways, taking it in a brand new direction.

**Bring your own Nintendo DS/DSi/DSiXL and Wiimote where possible**

**NB. Sorry Nintendo 3DS not supported**

**Ages: up to 13**

**Group Size: 10**