

Title of stall	Description of your contribution	Project Website Address (URL)	First Name	Last Name
London Hackspace	<p>various odd kinect related things (such as something that turns you into an iPod advert, nyan cat or makes you talk with speech bubbles)</p> <p>Various random hacks (most of which will be done on the weekend with a big pile of gear we'll bring)</p>	http://wiki.london.hackspace.org.uk/view/London_Hackspace	tom	wyatt
HAC:Man	<p>Project-a-sketch: Giant Etch a sketch</p> <p>HAC:Mannequin: Operation, with a life-size mannequin robot</p> <p>Actual Robots: small Maze solving and Turtle Robots</p> <p>H2audio: Water Theremin, uses conductivity of user's body and a stream of water to adjust the pitch of a note.</p> <p>Ping-Pong-Matrix: Massive LED matrix using ping-pong balls. (Built by George Ainscough, young maker[15] and HAC:Man member)</p>	http://hacman.org.uk	Bob	Clough
3-Ton Maker Collective	<p>A collection of creations created by a collective of friends. A showcase of a home-made mini-arcade machine, a DIY 3D scanner, a collection of custom guitars and amplifiers, a Rubicks cube solving robot called Ruby, a half built segway clone, an LED cube and a CNC etch-a-sketch.</p>		Matthew	Shotton

Weird Materials and Weird Technology	<p>This exhibit looks at a range of unique materials supplied by Middlesex University's Mindsets company - providing inspiration to Makers and professional practitioners. Mindsets staff will be demonstrating smart and weird materials and also some of the products developed for clients, such as the world's only working mechanical television and a paper Enigma encoding machine, capable of WW2 performance! We look forward to meeting other Makers and sharing the secrets of some of the amazing materials and assets that Mindsets sell to a wider public.</p>	www.mindsetsonline.co.uk	Peter	Stensel
Underwater ROV and Robotic Fish	<p>Remote operated underwater vehicle (ROV) controlled by an Arduino and built from simple to obtain parts, plumbing pipe for the frame, drainage pipe for the main body, electric motors for thrusters There is also an onboard camera to see what's going on underwater.</p> <p>Plan to have 2 model ROV's in a tank on my stall that the public can play with, powered by 3 small motors the model ROV can move in all directions.</p> <p>Additionally have been experimenting with Robot Fish this year and will be displaying these on the stand as well as in the water tank.</p>	http://www.underwaterrov.net/	Martin	Evans
Cycle Pong - Lushprojects.com	<p>Cyclepong provides a new spin on the classic arcade game Pong. In Cyclepong bicycles are used to control the rackets in a two player challenge. Cyclepong is great fun for all ages and guaranteed to get even the most hardcore gamer off their sofa.</p>	Lushprojcts.com	Iain	Sharp
Fraser harp (framed laser harp) & friends	<p>A demonstration of a framed laser harp, made with an arduino and recycled/across the counter parts. This device converts the action of breaking a laser beam into musical midi messages that are converted into sound by the computer.</p> <p>A "range harp" - a simple midi device made from an infra-red range sensor, and an arduino.</p>	http://chrisballprojects.wordpress.com/	Chris	Ball

Creative Recycling Workshops	<p>Packolocker: Plastic Fusing: Create beautiful new materials from waste plastic bags and crisp packets, turn it into personalised artwork for your wall, or a mask or basket. Also provides an understanding of industrial plastic recycling processes and systems and the potential uses.</p> <p>(Includes use of scissors and hot irons, under 12's must be accompanied by an adult)</p>	http://us2.campaign-archive1.com/?u=b8bbad37da83e4161115b9c3d&id=d508673a16&e=	Beccy	Williams
BMFA	<p>Buy and build a simple and cheap (Under £5) Free Flight model to take home under the supervision of the British Model Flying Association. Learn to fly it successfully within the confines of the venue!</p> <p>Come and ask as many questions as you like or come and build one.</p>	www.bmfa.org		
Mike's Mirco Gadgets	<p>A collection of Gadgets made from the Arduino micro controller system. Things that make noises, things that make pictures, and things that play tunes.</p>		Mike	Cook
Paper Making	<p>Produce a piece of hand crafted paper using an old fashioned mould, deckle and press!</p>		Lauren	Birch
Atelier	<p>Create with light, colour and shadows in this unique sensory space in a corner of our Textiles Gallery. Explore and play with textiles including ribbons, lace, fabulous fabrics and bobbins.</p>		Lea	Johnson

<p>RepRap - self-replicating 3D printers</p>	<p>These self-replicating rapid prototyping machines, or RepRaps, are the brainchild of Adrian Bowyer from University of Bath. The different models of reppap machine are named after famous biologists and the two that we will be exhibiting are the eMaker Huxley and the Mendel90.</p> <p>Chris Palmer (nophead) is the designer of the Mendel90 printer.</p> <p>Richard Gain (richgain) used his eMaker Huxley to print his copy of the Mendel90.</p> <p>We hope to be running three machines, using them to print small object to distribute at the maker faire. We may be able to offer people the opportunity to design their own simple models and print them out.</p>	<p>http://reprap.org/wiki/Mendel90</p>	<p>Richard</p>	<p>Gain</p>
<p>Mechanical components of a mechanical universe</p>	<p>Mechanical components is a piece of interactive, sound sculpture. The concept explores the free will debate by creating a work that produces sounds in reaction to the viewer's presence and participation with the piece.</p> <p>The title of this work is a quote from Daniel Dennet's, Elbow Room. Asking the question, "How do we reconcile our feeling of free will with the idea that we might be mechanical components of a mechanical universe?"</p> <p>The work explores the theme in a way that will hopefully go beyond previously learned experiences and will be an intuitively enjoyable and playful object. By encouraging a certain lack of knowledge and experience, this will hopefully open up some biological principles of play. Through this in whimsical manner an experiment of the free will debate will unfold to see whether harmonious results can be created from the modified music boxes know as kalimba's or thumb pianos.</p>	<p>http://res003.tintarts.org/2010/05/25/mechanical-components-proposal/</p>	<p>Stuart</p>	<p>Dunbar</p>

BuildBrighton	RoBoXyLo - Build Brighton's Robotic Xylophones are computer controlled metallophones that include interactive elements to play tunes.	33 New England Road	Matthew	Edwards
Nottingham Hackspace	<p>The Nottingham Hackspace is the UK's largest Hackerspace at 4300 sq ft. We've been a contributor to all the Mini Maker Faire's including the Co-Organisers of the Derby Maker Faire in June 2012.</p> <p>Our exhibits include examples of projects from a Hackerspace, 3D Printing & CNC demo's, craft and project examples. Additionally we usually bring soldering kits and equipment for youngsters to make our famous flashy LED badges which were very popular at Brighton and Derby mini faires.</p>	http://nottinghack.org.uk	Dominic	Morrow
DIY 3D Printers	<p>BIQ's 3D Printer, Huxley Seedling has evolved from the open source project Reprap Mendel design which has been greatly simplified and improved for accuracy, easy assembly and use.</p> <p>A workshop will be run to demonstrate how easy it is to build & set up the BIQ 3D printer. The printer will also be running to demonstrate how to make (print) things.</p>	http://3dprinters.bodgeitquick.co.uk/	David	Chamberlin
Aura Communications	<p>We provide project ideas with software examples with well documented easy to follow online instructions. This information will be freely available from our website.</p> <p>Our boards simplify and speed up electronic prototyping. We provide a wide range of sensors and interfaces, mounted on boards that you can connect to your microprocessor (such as the Arduino, PICs, Raspberry PI, etc.). Some of the boards we have designed are unique or have added value.</p> <p>As well as single boards, we also provide kits with a range of different sensors and custom boards for individual projects (subject to supply chain...).</p>	www.aura-comms.com	Javier	Ema
LizzyAstro - hand made textile projects	See demonstrations of patchwork & quilting techniques together with a display of other fibre art textiles including a giant knitted lego brick!		Lizzy	Taylor

Light of Tree	<p>"Light of Tree" is a panelled sculpture centrepiece, with six sides, hand-constructed from multiple digital prints, of selected imagery, on matte canvas panels. Each panel is made to a specific shaped frame with the canvas stretched tight over the frame, as per a standard wall-hung artwork.</p> <p>Once assembled the structure forms a half-lightbulb/half-tree abstract form, approx. 2.2m high and 1.3m wide, at it's widest. The sculpture is lit from within by 24 directional light-sources, equally spaced around its circumference, radiating light in their direction through the canvas panels. These light-sources are controlled by at least two different methods, that rotate in 5 minute shifts; either by motion sensing or by twitter influenced light configurations. There is also a manual mode but that's mainly for testing. When in 'Motion Sensing' mode, each of the light-sources will illuminate as persons pass by the containing segment (vertical set of 4 panels) of the structure. The 'Twitter Fed' mode, digests tweets sent to a specific, advertised Twitter account and lights a number of panels based on the presence and frequency of certain keywords in tweets to that account.</p>		Tom	Norwood
Addelman Steam Collection	A collection of six battery powered K'nex steam engines, built by Jake Addelman aged 10 from Sale and inspired by the North West's cotton mill heritage.		Jake	Addelman
Pedal Cycle Sound System	<p>A chance to take a look at the construction and build of one of the cycle mounted sound systems that can often be seen and heard at Manchester's monthly Critical Mass bike ride.</p> <p>The sound system is mounted on the back of a four wheeled Brox Compact load carrying pedal cycle. The Brox was invented by the late Rob Brock whilst he was working as a delivery driver in Manchester.</p>		Mike	Armstrong

Mt. Arduino	<p>My daughter, Amy, created this for her year 8 Geography assignment. It is a volcano that uses LED lights and an LCD screen to label the different parts of a volcano. It also 'erupts', during the 'eruption' the LCD says " Oh no! It's erupting!" and all the lights go crazy. After the eruptions finished a victory song is played and then the cycle repeats. We could demonstrate on our spare arduino board how Mt Aduino has been programmed and show people how they could light up LED's or display messages etc.</p>	n/a	Lisa	Mather
tonefloat	<p>Part milkfloat and part dance engine, Tonefloat presents a payload of pint-sized percussion and pipes for hands-on audience interaction and entertainment. Make music from milk !</p>	www.thepressurecompany.org/devices/tonefloat	jon	large
Rubbish Revamped	<p>Rubbish Revamped wants you to get close to your rubbish by upcycling in a creative way. Our display aims to help you consider how we use resources, what's available and how things can be used; how much is wasted but can be given a new life!</p> <p>At the Faire we will making beautiful bunting! Also on offer is the chance to craft wallets from juice cartons.</p> <p>Our 4R's: Reduce, Reuse, Revamp ,Recycle.</p>	www.rubbishrevamped.org.uk	Danielle	Lowy
Arduino Mask Mirror	<p>The Arduino Mask Mirror is a handmade electronics, software and craft project, made in one afternoon earlier this year. The materials used to make the mirror comprise a number of unusual items that were to hand during its creation. These materials include a lot of tape, a shoebox and some disposable coffee stirrers.</p> <p>The mirror works using a webcam, a simple computer program (created in the MaxMSP/Jitter programming environment) and an Arduino microcontroller, to track a person's head movements and reflect them in the movement of an ever so slightly creepy mask.</p>	http://www.youtube.com/watch?v=8x0wvrufAIA	James	Medd

Manchester Girl Geeks Show&Tell	<p>We are planning to hold a Show&Tell type event (possibly on a stage) to showcase the work of girl geeks. We're hoping to get around 5 girls and women to present something they have built in a short 5-10 minute presentation. The aim of the Show&Tell is to make the female makers visible to visitors and encourage other girls and women to start building something, and also to allow the makers to get to know each other. We already have 1 confirmed project, which is an Arduino-powered model of a volcano, but we're hoping to get more as soon as we announce the Show&Tell.</p>	http://manchester-girlgeeks.com	Samantha	Bail
The Chandelier of Lost Earrings	<p>The Chandelier of Lost Earrings will gather together all the earrings that are left in a drawer after people have lost it's pair, to create a large shiny artwork dedicated to the staff at St Mary's and the Nuclear Medicine Departments of the Hospital, and to all women who have given birth.</p> <p>This is an interactive earring collection event, actual and virtual, with the aim to find those trinkets and put them to good and beautiful use. Combining Twitter, Facebook and word of mouth, we will to set up shop for a day and collect earrings and the stories that go with them.</p> <p>We need your lonely earrings. Come and add them to our growing collection (the Chandelier will need 5000, so far we have 1000), tell us your lost earring story, be part of an international live lost earring twitter feed! Become part of a permanent and beautiful artwork by giving your unused earring to the project.</p>	www.sagarandcampbell.co.uk/ , www.manchestertainedglass.co.uk	Lauren	Sagar
The Manchester Game Jam	<p>We'll be doing an interactive version of the Manchester Game Jam.</p> <p>We'll be encouraging people to get stuck in all weekend, and the developers making games will be making lots of games very quickly, so there'll always be something new on our big controller!</p>	http://madlab.org.uk/content/manchester-gamejam/	Dan	Hett

frog chorus	"ribbit" a chorus of frogs, electronic frogs use simple rules to generate sound in response to other frog calls resulting in complex patterns.	twot.eu	elliot	white
The Decline of the Manchester Textile Industry. Interactive response from the MIDCONVERSATION Artist Collective.	<p>The MidConversation Artist collective are a group of Manchester based artists who work primarily with textiles to produce interactive art that pushes the boundaries of how we perceive the properties of cloth.</p> <p>For the MOSI Mini Maker Faire, the artists have joined elements from their individual practices to create a response to the 19th Century looms and textile industry equipment on display in MOSI's main hall.</p> <p>One particular fact that we have drawn upon to influence the interactive piece is that at the height of the industrial revolution Manchester was responsible for 70% of all the worlds textile production, now, in the present day, this has dropped to a mere 1%. Using these figures we decided to use 70 pieces of string/rope/wire, to cover each wooden base and represent the strong force Manchester once was in the textile industry.</p>	www.midconversation.tumblr.com		
Saddleworth Vintage & Handmade	Saddleworth Vintage & Handmade will be looking into Vintage Gadgets, creating discussion through various media old and new on what people perceive vintage means, set up will look like 1950's science faire, where people can try out the gadgets and discuss how things have moved on. How blogs have taken over fanzine culture, which has re kindled the interest in 1930's fanzines.	http://www.saddleworthvintage.co.uk/	samantha	mills

The Augmented Tonoscope	<p>The Augmented Tonoscope is an artistic study into the aesthetics of sound and vibration through its analog in visual form - the modal wave patterns of Cymatics. (edited down)</p> <p>Maker Faire Manchester visitors will be able to explore the capabilities of this audiovisual instrument which will be configured in such a way as to make it immediate, accessible, playful, engaging and hopefully awe-inspiring too.</p>	http://www.augmentedtonoscope.net	Lewis	Sykes
DoES Liverpool	<p>We'll be showcasing some of the projects built by the DoES Liverpool community - Bubblino will be blowing bubbles whenever anyone mentions the faire on Twitter; you'll see how the WhereDial lets you see where loved ones are; and the Makerbot 3D printer will be churning out custom bits of plastic... Plus no doubt some more stuff we've not thought of yet!</p>		Adrian	McEwen
3d geometrical construction game	<p>geometrical simple shapes (triangle ,squares ,pentagons and hexagons) with interlocking notches ,making possible a lot of funny and decorative geometrical shapes</p>		carmen	ionescu
HVPD Ltd introduction to high voltage engineering and the phenomena of partial discharge (PD) and the science of travelling waves.	<p>HVPD Ltd will be running a number of hands-on experiments and activities as an introduction to the power industries and the phenomena of partial discharge.</p> <p>1 Plasma Globe - The effect of a conducting object (such as a hand) in close proximity with the plasma globe glass – discharges at low pressure</p> <p>2 Van de Graaf generator - electrostatic generator which uses a moving belt to accumulate high voltages on a hollow metal globe on the top of the stand.</p> <p>3 Travelling Wave Machine - demonstrations that show the behaviour and properties of transverse waves.</p>		Marcelina	Gadecka
CozyBot	<p>I have designed and made an Android phone holder and have some to sell too. I used FabLab for the prototypes, I'm in Blackburn and they are now made in Bolton.</p>	www.cozybot.com	Carl	Whalley

<p>I make models of people's houses, shops, pubs - and any building</p>	<p>Handbuilt models of houses, in intricate detail. I have turned my hobby of 40 years into a small business in the last 2 1/2 years. I show around a dozen of the models I've made so far to demonstrate my work. I find people see them as unique to them, a personal gift for someone leaving home, or a special present.</p>	<p>www.mossleymodelmaker.com</p>	<p>Alan</p>	<p>Tolfrey</p>
<p>Manchester Jewellers Network</p>	<p>Demos of interactive jewellery. Work with professional jewellers to design and make your own jewellery. Laser cutting jewellery and assembling demonstration.</p>	<p>www.manchesterjewellersnetwork.org</p>	<p>Simon</p>	<p>Denvers</p>
<p>Towards the beat of a different drummer : DIY and lo-fi electronics in live performance</p>	<p>A demonstration of various DIY musical instrument I've designed and built over the years as well as a performance demonstrating the instruments in context. The instruments will be available to play, poke, and will be shown (where possible) opened up or in partial disassembly.</p>	<p>http://www.rodricoconstanzo.com/instruments/</p>	<p>Rodrigo</p>	<p>Constanzo</p>
<p>Simple Waterbear Arduino Robot Programming</p>	<p>“Discover Robotics & Coding through Visual Programming.”</p> <p>Our robot SWARP1 enjoys a challenge, tell him what to do and get him through the maze or one of the other challenges. Come play with our Free Software and Open Hardware for beginners and kids and discover coding for robots (and other stuff).</p> <p>SWARP is a project using Waterbear to make a complete solution for people who have never programmed a computer or robot to discover how much fun it is. It uses a single simple web based interface and real robots. It provides drag and drop programming like Scratch, but produces real code that you can learn from and use in the real world.</p>	<p>http://stretchyboy.co.uk/doku.php#simple_waterbear_arduino_robot_programming</p>	<p>Martyn</p>	<p>Eggleton</p>

Mannequin Maggie	Mannequin Maggie is an interactive musical mannequin. Come and play! But be warned, touch her in the wrong place, or stand too close and you will hear her wrath.	http://blipblipi.co.uk/portfolio-3/the-laundry-room-2/	Susan	Thomason
All about the Beads	Jewellery items made from beads & thread. I specialise in bead-weaving, primarily Peyote stitch, adding one bead at a time to make "fabric". I've also started work with netting for faster completion rates. I use reference books & make the work my own. It's labour intensive, but worth the effort. I'm all about the bead.		Alex	Crompton
The Internet Enabled Fishtank	It's a fishtank built into an Apple Mac G5 case. It's a bespoke tank, which includes an Arduino mega, a servo, an LED matrix display, an LCD display, internet connectivity (with mobile web interface), timed LED lighting.		Hayden	Kibble
Manchester Inventors' Group				
Bolton Tech	Soldering workshop			
MOSI tech services	Giant games			
Molly Cool	visitors will have the chance to use the molymod kits to make a molecule such as teflon, paracetamol or ethanol		Sandra	Hayton
B&Q trafford park	DIY sessions for children			
Hassellharbour bridge, Gauge O Guild, Alager Railway Association	Railway modellers			
Dry stone walling	Making it to last for centuries! Dry stone walling, the original hand made craft demonstrated by expert Alan Rhodes	None	Alan	Rhodes
Manchester WI/ In Stitches	Make traditional knotted tassels which will be used to decorate Brewers Bridge during the Waterways Festival in August. Knit or crochet a square that will be used in a yarnbombing project in Manchester later this year. The fabulous Knitted Rose Galaxy created by knitting group In Stitches will be on display.		Charlotte	Hooson-Sykes

Open Hardware Polargraph Drawing Robots	Matthew Venn and Stuart Childs have been working away at building polargraph drawing robots for some time now. Matthew's work has focussed on a particular application of these drawing robots: using them to display real time energy use information to encourage and promote awareness of how much energy we are using. Stuart has been building robots that are compatible with the work of Sandy Noble - of polargraph.co.uk - to draw images that are input from a computer. We will be exhibiting different styles of drawing machine and look forward to showing you how our robots work.	http://www.mattvenn.net/tag/polargraph/	Stuart	Childs
Raspberry Pi and Piface	We're running a workshop, in conjunction with MOSI, on July 23rd at which various activities will be created using Raspberry Pi and the Piface interface board. The best of these will be used for the maker faire.	http://piface.openlax.org.uk/	Mandi	Banks
Junkcraft Books	A demonstration of making spacecraft from junk. Turn household throw-aways into amazing spaceships. Junkcraft Books available, including easy-to-follow instructions, sticker sheet and bonus plans.	www.junkcraft.com	Stephen	Munzer

3D Revolution	<p>We will be showing a couple of projects that have been created using 3D printing and Computer Aided Manufacturing and developed using Computer Aided Design.</p> <p>"Fable" a mantle clock that has been created using Haptic technology and made by "rapid manufacturing" selective laser sintering.</p> <p>As well as this we will be giving people a taste of how 3D printers will impact on how we choose, customise and manufacture products in the future.</p> <p>We also hope to show a Geodesic Dome. This is a very strong and material efficient structure that we have created inside a Computer program so that we can generate a sphere to what size diameter you want. this modular system is being used in a school biosphere project.</p>		Mark	Gilbert
Walking and other Robots	A collection of Robots designed and made by David Buckley. *edited down to strongly suggest you visit David's website!*	davidbuckley.net/DB/index.htm	David	Buckley

Performances
<p>Art and Music bus from We Face Forward: Art from West Africa Today Sambaman The Greatest Hits of the Science Museum Show - on Tour! Singing Scientists (Saturday only) Swing Jive participatory demo Noisy Toys (plus participation) Sam Downes (Saturday only) Dr Butlers Hatstand Medicine Band (Sunday Only) Great Balls of Fire The Adventures of Land Phil</p>