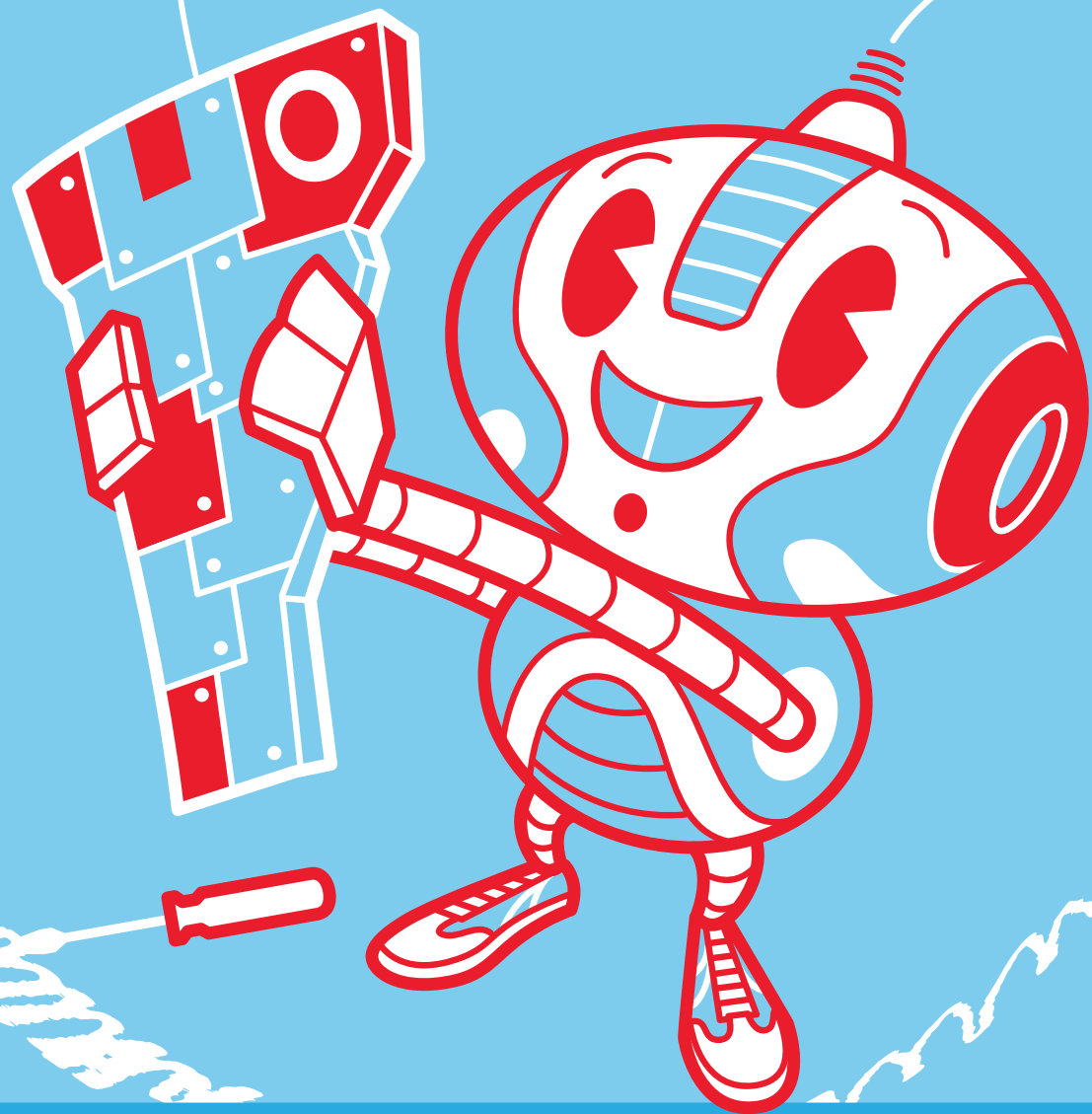


Champlain Mini Maker Faire®



Saturday, Sept. 28th & Sunday, Sept. 29th

Shelburne Farms 10am-5pm & 11am-4pm

Champlain Mini Maker Faire Schedule

Saturday, Sept. 28th

TIME	EVENT	VENUE
10:00am	Welcome	Main Stage
10:30am	Paul Asbell	Main Stage
10:30am	Workshops	Grounds
11:00am	Bina/Lifenaut	Main Stage
11:00am	Double Vision	Dark Stage
11:00am	Junk Music	Grounds
12:00pm	CMF Live: MakerSpaces	Junk Tent
12:30pm	Paul Asbell	Main Stage
1:00pm	Workshops	Main Stage
1:00pm	Eric Hill	Grounds
2:00pm	Workshops	Dark Stage
2:00pm	CMF Live: Dave Harmon	Grounds
2:30pm	Make It Science	Main Stage
3:00pm	VCAM: Films	Dark Stage
3:00pm	Malted Media	Instrument Tent
3:30pm	Michael Daley: Solar S'mores	Main Stage
4:00pm	Wrap Up	Main Stage

Sunday, Sept. 29th

TIME	EVENT	VENUE
11:00am	Welcome	Main Stage
11:00am	Fire Organ	Grounds
11:30am	CMF Live: Entre Panel	Main Stage
11:30am	Jack Kavanagh	Dark Stage
12:00pm	Trash to Tunes	Junk Tent
1:00pm	CMF Live: Education Panel	Main Stage
1:00pm	Jack Kavanagh	Dark Stage
1:00pm	Workshops	Grounds
2:00pm	A2VT	Main Stage
2:00pm	Workshops	Grounds
2:30pm	VCAM: Films	Dark Stage
3:00pm	Celtic Company	Main Stage
4:00pm	Wrap Up	Main Stage



Celtic Company



Junk Music



Paul Asbell



Champlain Mini Maker Faire Schedule



Paul Asbell

Saturday, September 28th at 10:30am and 12:30pm Paul Asbell

www.paulasbell.com

Paul began playing at age 12, on an acoustic guitar that his dad had “broken in” singing pro-labor and “people’s songs” while performing at union rallies and concerts in the late ‘40’s. An entirely self-taught player, Paul used the music in his dad’s 78 and LP collection as his early models- records by Lightnin’ Hopkins, John Lee Hooker, Blind Willie Johnson, Leadbelly, Uncle Dave Macon, Woody Guthrie, Jimmy Driftwood, and Flatt and Scruggs, as well as jazz and gospel discs by Dinah Washington, Sarah Vaughan, The Staple Singers, and Mahalia Jackson. Soon after hearing the music coming out of bars on Chicago’s South Side, however, he single mindedly started playing electric guitar, trying to evoke the sounds of Buddy Guy and Otis Rush.



Double Vision

Saturday, September 28th at 11:00am Double Vision, led by Sean Clute and Pauline Jennings

www.double-vision.org

Moshing started in the 1980s as youth reacted to hardcore music. Voguing evolved out of the Harlem ballroom dance scene. Gangnam Style became a craze after a billion viewers watched it on YouTube. The truth is many dance forms are the result of groups of people rather than a single master choreographer. As part of the Champlain Maker Faire, Vermont-based intermedia group DOUBLE VISION will invite the audience to collectively choreograph some of the area’s best dance talent in a multimedia, interactive environment. Together, we will Make-A-Dance. But how will this be done? The tools of today. Computers, cameras, sensors, and most importantly, lots of human bodies!

Make-A-Dance will feature choreographer Pauline Jennings, media artist Sean Clute, video artist Jessica Gomula, and dancers Hanna Satterlee, Avi Waring and Willow Wonder.



Junk Music

Saturday, September 28th at 12:00pm Donald Knaack aka., Junk Music™ with The Junkman™

www.junkmusic.org

Using only re-used materials as his instruments of music, The Junkman™ will present musical selections, discuss the scientific and practical aspects of his instrument and music-making process, and close with a Junkjam™, where all present will grab a stick & a provided re-used material, and jam out to the Eco-rhythms of The Junkman™.

Champlain Mini Maker Faire Schedule



Expose of the NSA

Saturday, September 28th at 1:00pm

Eric Hill: Seeing Red Productions: Expose of the NSA

A one-act drama exploring what happens behind the wall of National Security. Cast: EDWARD SNOWDEN: T. Galliher; KIM DOT-COML: Thompson; JULIAN ASSANGE: D. Bruley; SUIT: E. R. Hill; Written by Eric R. Hill; Directed by Liz Thompson; Produced by Seeing ReDD; Productions Props / Production Assistance: Michelle Panniello



Malted Media

Saturday, September 28th at 3:00pm

Dennis Bathory-Kitsz: Malted Media

www.maltedmedia.com/people/bathory/index.html

I am a composer, author, editor, teacher, and technologist. My work engages the advancement of arts and technology from both humanist and experimental perspectives.

My music has been commissioned more than 300 times and performed by my own ensembles and over 100 orchestras, chamber ensembles, choruses, and soloists around the world, as well as innumerable student groups and those who have anonymously downloaded and realized scores and performance artworks.

Dennis will be conducting workshops all day making interesting instruments and composing with them.



The Fire Organ

Sunday, September 29th at 11:00am

Antoinette Jacobson: The Fire Organ

<http://www.offthegridproductions.com/NothingLikeDreaming/presskit/fireorgan.htm>

A FIRE ORGAN is a made up name and a made up musical instrument! But it is also a sound instrument first described in 1875 by the thoughtful French physicist George Kastner. He called a "pyrophone" a set of tubes that produce sound when heat is applied to them. If high heat is applied to the open bottom of a round metal pipe that has a sort of obstacle placed high up in it, as the heat rises it pulls down cooler air from above; as the column of air inside the pipe vibrates against the barrier inside it the hot air and the cold air pass each other and sound is created. The diameter and the length of the pipe control what note the vibration will produce and other factors affect the sound of it. Participants in the workshop will have a chance to build their own fire organ.

Champlain Mini Maker Faire Schedule



“Movement in Miniature”

Sunday, September 29th at 11:30am and 1:00pm Jack Kavanagh, “Movement in Miniature”

Movement in Miniature is a work that features elements of dance, circus and performance art. The work derives from a child’s unusual experience of scale and low perspective during play and exploration throughout childhood and adolescence. From this morphed perspective, images are put forth of a world which is constantly under construction by man, but which is continually finding ways to fight back in response to human intervention.

Live Music by: Charles Bale and Zoë Kiefl **Dancers:** Tess Conway and Jane-Anne Cormier

Props: Nancey Galante Director of Creation Jack Kavanagh



From Trash To Tunes

Sunday, September 29th at 12:00pm Dennis Waring: From Trash To Tunes

www.waringmusic.com

Music-Science-Fun! Imagine two giant tables covered with magical, mythical, musical instruments. “From Trash To Tunes” is a performance of scores of handmade musical instruments made from recycled materials. Dr. Waring weaves tales of the origins of music and how all cultures through time have built fascinating sound making devices.

Instrument Making Demonstrations: Watch Dr. Waring throughout the day as he demonstrates how to make a banjo from a cardboard box, stick and fishing line; a recorder from polypipe tubing; a xylophone from lattice; and a drum using tin cans and packing tape.

Instrument Making Workshop: Festival attendees (limited to 16) will have an opportunity to build a Box Banjo during a special workshop session with Dr. Waring. Following a demonstration of its construction, people will be given tools and materials with which to make the project.



A2VT

Sunday, September 29th at 2:00pm A2VT

<http://a2vt.com>

We are A2VT: Three young guys from Africa. When war broke out in our home countries, we were forced to leave. Eventually we arrived in Vermont, where we now live. Now that we are here, we want to show people what we can do. We write songs. We sing. We rap. We have recorded our first album, “Africa, Vermont” with partial grant funding from the Vermont Community Foundation, Indiegogo and the Fools Gold Artist Fund. Our video for “Winooski, My Town,” already named a Vermont Top Ten Single by Seven Days. It celebrates the diversity of this small and vibrant city and its people.



Celtic Company

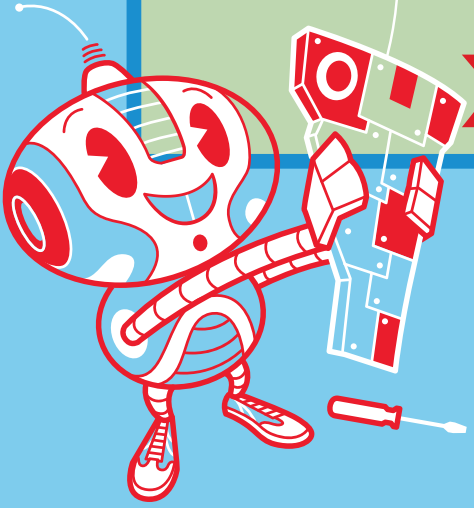
Sunday, September 29th at 3:00pm Celtic Company

This high energy group performs traditional and contemporary Irish and Scottish dances and are often accompanied by live bagpipes and drums.

The Coach Barn at SHELBURNE FARMS



GROUNDS MAP



Makers

#1 & 2 SparkFun and Colorado Makers Exchange

www.SparkFun.com

The guys and gals from SparkFun will share weather balloons, social data platforms, Etextiles and some good old robot fun!

#3 Ludobots Interactive: an Evolving Virtual Robot

www.uvm.edu/~ludobots/

The application Ludobots Interactive allows anyone to build a virtual robot without writing code. The player builds their robot's body in a 3D simulator, then picks a task for the robot to learn: walking towards an object, walking upstairs, or climbing over monkey bars. They can then evolve the robot's "brain" to achieve the task.

#5 & 6 EHS/CTE Robotics Team

We are FIRST Team #3397. Our booth features the playing field of this year's challenge as well as a working robot that visitors can drive. Visitors are encouraged to brainstorm ways a robots can score points. Our booth also features some of our off season interactive experiments.

#7 Mindfiles and Bina48 Android: The LifeNaut Project

www.lifenaut.com

Bina48, one of the most social and sentient robots in the world, is designed to be a social being that represents a mix of memories, values and beliefs from the original Bina along with new experiences gained through interaction with others. Participants will be given information on how to "make" their own "mind files".

#8 VCAM's Community Media Makers

www.vermontcam.org

VCAM is a community media center in Burlington. We will present several videos that feature local makers and artists as well as award winning pieces by local filmmakers.

#9 FIRST Robotics Team 885

Team 885 is a FIRST Robotics team located in Randolph, VT. Every year FIRST issues a new challenge, and we have six short weeks to build a functioning robot. We will have our robot, videos of last year's competition, pictures of the team in action, robots from earlier competitions, and information about FIRST.

#10 Green Mountain Gears

The Green Mountain Gears are a US FIRST Lego Robotics team based on South Burlington, VT. The team will present some of their solutions to last year's robot challenge and they will present their solution to this year's theme.

#11 Streambot

<http://docbox.flint.com:8081/streambot/>

An offshoot of the concept of conspicuous environmental display is the Streambot stream gauge. This exhibit will demonstrate the direction that this project is currently attempting.

#12 The Art of Light

How can we as makers bring together our knowledge of technology and art to create a beauty hiding away in the potential of simple glowing diodes? From understanding how DMX protocol works to what colors look best to light up a stage, it will all be covered here.

#13 The printing edge

I have customized Pritrbot and a printer that I am designing and building myself from scratch.

#14 Upgoods

UpGoods makes fabulous products from locally sourced recycled and natural materials. Wood pallets, discarded t-shirts, old magazines, and plastic bags become new again as they are transformed into furniture, baskets, rugs, greeting cards, jar-garb, aprons, purses and more.

#15 Maker Lab - EMC - Champlain College

www.champlain.edu/centers-of-excellence/emergent-media-center

The Emergent Media Center will showcase DIY projects from Champlain College's Maker Lab students, produced during their Creative Lunch series. The series allows students and staff campus-wide to get creative, doing and participating in activities they might not normally engage in.

#16 Generator - Burlington Makers Space

Generator is a new 6,000 sf Maker Space currently slated to open in early 2014 in downtown Burlington. Come find out about facilities, events, membership, studio rentals and more. 3D printing aficionado, Alex Clay will be providing demonstrations of a project pipeline.

Makers

#17 MFA in Emergent Media at Champlain College

www.champlain.edu/mfa/masters-fine-arts
Champlain College's Master of Fine Arts in Emergent Media: showcasing the creative work of MFA students and faculty.

#18 3D Printing with Blu-Bin!

www.blu-bin.com
The guys at Blu-Bin are bringing some machines to the Faire and will be doing demonstrations of 3D scanning, 3D printing, and making your own 3D printer filament! Don't miss this incredible package of technologies that are helping blur the line between what is digital and what is physical.

#19 Aknitomy

www.agnitomy.etsy.com
Aknitomy is an exploration of anatomy and biology through the cozy, familiar medium of yarn and fiber. High school favorites like the dissected frog and the white lab rat are rendered in 3D using the same techniques that created your favorite sweater!

#21 Computer Science for Kids = "FUN!"

As part of a nation-wide initiative to bolster interest in computer science among kids, Vermont HITEC is offering a fun-filled opportunity for kids to learn about computer science. Stop by the booth to introduce your kids to the increasingly important and exciting field of computer science!

#22 Education Booth (Shared)

Are you an educator in VT who is interested in incorporating STEAM, Makerspaces, or DIY projects into your curriculum? The VT STEAM Educators Collaborative is a grassroots group who seek to learn from each other and to develop proficiency-based criteria for showcasing the work students do. Come check us out, and learn about upcoming events where you can join the conversation!

#24 YourDuino.com

Longtime Vermont Arduino enthusiasts Terry King and Mary Alice Osborne will show many different Sensors and Actuators being run by Arduino, including small Robots, temperature sensing, Home Automation applications etc. Low-cost YourDuino Starter Sets and parts will be available at show-special prices. A special "GoodJunk" section will give away older parts.

#25 Roll Your Own Persistence of Vision

www.manganlabs.com
Visitors to my booth will be able to play with various POV (Persistence of Vision) devices and actually upload their own messages to see a personalized effect! Take-home kits will be available for sale so you can easily build your own.

#26 Playing with Fire!

Glassblowing artists Alissa Faber & Sue Wilson share their love & knowledge of glassblowing. Learn about the ancient craft of glassblowing and how it has been elevated to an art form by the people that know and love it. Alissa and Sue practice their glass "fire art" at AO Glass on Pine Street, Burlington, VT. A follow-up demonstration at AO Glass will be scheduled within 2 weeks of the Mini Maker Faire.

#27 Amateur Radio

www.RANV.org
We will be displaying and demonstrating Amateur radio. There will be an operating station as well as some hands on displays.

#28 Growth - Interactive Projection Mapping

An interactive story of our built versus natural environment, told through a 3D projection mapping installation, orchestrating a thematic journey of tranquility & chaos through abstract light and color. Take control of a virtual/physical world using the new Leap Motion Controller.

#29 Nightmare Vermont Zombie FX Booth

www.nightmarevermont.org
Visit the Nightmare Vermont Zombification Booth to experience the wonders of FX makeup. Using everything from chocolate sauce to dryer sheets, Nightmare Vermont makeup artists will rip open your skin, make you bleed and give you raging necrosis. It'll be fun! Really!

#30 Gross Goo and Other Polymers

www.echovermont.org
The slime that covers fish, mucus that comes out of your nose, and DNA are all examples of polymers - long-chain molecules. Join ECHO Lake Aquarium and Science Center to explore all kinds of goo! That's right, play with and make your own polymers and learn a little something in the process. And have fun learning about polymers as you make your own slimes, ooze, and even glow in the dark slippery gunk.

Makers

#31 Healthduino

www.techforhomehealthcare.com

The Arduino open-source microcontroller can be used for the basis for vital-sign sensor projects. Larry, an Arduino newbie, experiments with the Arduino and the Polar Heart-Rate monitor sensor to display his heart rate on a TV screen.

#32 Vermont Rapid Prototyping

www.VermontRapidPrototyping.com

Vermont Rapid Prototyping provides consultation on product analysis and brainstorming; 3D design and printing; rapid 3D prototyping; rapid manufacturing; Arduino firmware; desktop software; and software rapid prototyping. We will display some of our recent projects that demonstrate our multi-dimensional skill set, including a LED game, magnetic spin toys, adjustable plastic zip-lock bag dryers, and a 3D printed electric guitar.

#33 Fairfax Ponder Puddle

Ralph Lemnah demonstrates some of his many creations, including an electric bicycle, a PC board drill press, and Kelvin's Thunderstorm.

#34 Reaction Fitness

www.podpacer.com

This product is designed of 4 individual "pod" stations, each with a number (1-4). Each pod has a touch switch that sends the signal to the next pod in the pattern. With desktop software platform, the user can create custom or use pre-loaded patterns. Goal is to decrease time in between pods and time to complete pattern.

#35 Jef Raskin's Bloxes

www.bloxes.com

Over 40 years ago, Jef Raskin designed some cardboard boxes that could be pushed together to form arbitrary shapes. We will provide Bloxes as well as space for attendees to be creative with them. Spare Bloxes may be sold (profits to go to CMF).

#36 & 37 Vermont Makers

www.vermontmakers.org

Vermont Makers is a community that shares an interest in the possibilities of micro controllers and open source hardware, encouraging independent projects that blend the arts and technology.

#38 Fun and Fitness with Hula Hoops

www.fitnesshooping.com

Hooping is excellent for fun and fitness and creativity. Learn how to make and spin a hoop and experience the joy of Hooping. Bring your children and experience the kid in you. Hooping is for everyone.

#40 & 41 XSteamPunk Armament and Munitions

www.xsteampunk.com

Fully functioning steampunk weapons and other devices, made with solid brass, copper, aluminum, and stainless steel - no plastic. Live firing demonstrations will be performed.

#44 Vermont Technical College

www.vtc.edu

Vermont Technical College is the region's premier public polytechnic higher education institution. Students receive an applied education with constant opportunities to design and build projects in their fields of interest. A student maker space is available at our Randolph and Williston campuses.

#45 United Technologies Aerospace Systems

UTC Aerospace Systems is one of the world's largest suppliers of technologically advanced aerospace and defense products. We design, manufacture and service systems and components and provide integrated solutions for commercial, regional, business and military aircraft, helicopters and other platforms. We are also a major supplier to international space programs. At the Maker's Faire we will show examples of the products we produce, including the Electric Brake Actuator from the Boeing 787 Dreamliner.

#46 Northeast Advanced Technological Education Center

NEATEC is an ATE Center funded by the National Science Foundation and is considered the Regional Center for Semiconductor and Nanotechnology Education (RCSNE) whose mission will be to fulfill the needs of nanotechnology and semiconductor manufacturing industries in New York State and Western New England through development, demonstration, and utilization of new materials, curricula and delivery methods by utilizing the resources of academia, industry, and government.

Makers

#47 Next Generation Manufacturing

The Connecticut Community College's College of Technology (COT) Regional Center for Next Generation Manufacturing (RCNGM) addresses the need for highly skilled workers in the manufacturing workplace by constructing programs that provide resources to educators and students interested in learning new technologies in manufacturing. The Regional Center for Next Generation Manufacturing is funded in part through a grant from the National Science Foundation Advanced Technology Education program.

#50 Bicycle powered small boat trailer

A bicycle trailer for towing a small boat behind a bicycle. After several iterations the trailer is now sturdy enough to be reliable. The boat on the trailer is an 11' rowing/sailing dinghy, but the trailer was originally built to be adjustable so it could be fit to a canoe or kayak.

#51 Bronze Casting

www.lcmm.org

We will bring our entire bronze casting workshop and cast on-site. We are also putting together a panel of photos showing the process to fill in the time between pours. The furnace is propane fired.

#52 Flying Saucer and Pyramid Launch

www.crmrc.org

Static display of low, medium, and high power model rockets, including TV and DVD showing rockets; active display of flying saucers for public participation. Each participant gets a flying saucer to decorate and fly to about 100 feet up. Cost \$5.00 (rocket fuel is expensive); active display of a large flying pyramid done periodically during the day.

#53 Jet Bike13

A student designed, machined and constructed a mini jet engine and mounted it to a mini motorcycle. This is the second phase of our long term project of constructing two mini jet engines and mounting them on a hang glider. The pilot has yet to be determined, interested?

#54 Logic Supply BeagleBone Black Phone-Controlled Robot

The BeagleBone Black is a revolutionary credit-card-sized computer, which many are calling the "engineer's Arduino", that serves as an ideal hardware platform for makers. Programmers can move out of computers and into the world of things; artists can incorporate electronics in their creations; and tinkerers can more-easily build new devices.

#55 & 56 Make It Science

www.MakItScience.com

The MakItScience organization is a small, all-volunteer group. We are "Makers" with an educational mission. We build STEAM education demos (Science, Technology, Engineer, Arts and Math) and follow them with project-based learning units in which K-12 students are challenged to design and build projects of interest to them.

#57 Pedal Power

www.pedal-power.com

We have designed a multifunction, pedal-powered machine which features a work surface, a comfortable and ergonomic seat, quick adjustments for different riders, a flywheel to smooth pedaling, gearing, and an all-steel, hand-built frame. An average adult can pedal it to generate 100 watts of electricity, pump 5 gallons of water per minute, grind a variety of grains, operate an air compressor, a hydraulic pump, and a variety of small shop tools.

#58 Scratch Built Mini Lathe, Paint Can Furnace

www.morgandemers.com

Check out a scratch built Gingery Style Lathe, and a Paint Can Furnace for melting aluminum.

#59 UVM AERO CleanSpeed

www.uvmaero.org

The University of Vermont Alternative Energy Racing Organization is a student run group that works for the advocacy, research, and development of alternative energy drive systems. This year, they brought their all-electric Formula race car, CleanSpeed!

#60 Sweat Steampunk

www.vermontsteampunk.com

Interactive metal and stone sculptures. Each piece incorporates a range of implements from years past, creating something entirely new.

Makers - Outdoors

Green Mountain Coffee Roasters

Heather Morris School of Dance

Maple Tree Tea

We make teas, herbal blends and various drinks using maple sap instead of water. We collect the sap on my family land in Huntington and are currently selling at events in the area including full time at the Richmond and Essex farmers markets.

Montshire Museum of Science

www.montshire.org

Join the Montshire Museum for family-friendly Maker activities! Make a flying contraption and try it out in a wind tube, or make a robot that zips around and makes art at the same time. Here's your chance to catch the Maker bug and learn about science at the same time.

Pete's Dragon

Peter Krusch displays his 8 foot tall, roaring and smoking dragon, as well as other creations.



Sky Yurt

skyhightshelters.com

The Sky Yurt is the first prototype in a series of designs that provide working/living structures for a nomadic community of artists/crafters/makers. The floor is perched 10 feet above the lower tent-canopied workspace which is separate from the upper living space of the Sky Yurt. This lower space acts as the mother ship, and the upper living space structure actually docks to the trampoline frame at the center of the mother ship.

Smokeless S'mores

Working models to inspire the solar energy generation. Begin with a pizza box solar oven to cook smokeless s'mores. Build your own at the booth and sunshine willing, cook & eat a s'more. View the savonious rotor coffee can windmill that really cuts wood. Hear the solar music box. Race the car. Turn on the lights in the solar house - a model of my real solar home that runs on 100 watts! Fun for kids and adults.

Yes! But will it fly?

Have you ever wanted to launch a rocket? Bring a rocket to the fair and we will launch it. It must fit inside a three inch PVC pipe. Awards will be given for stability in flight, time aloft, and catastrophic failure during flight. Smaller Plastic soda bottles make good fuselages. If it has too little or too much mass it wont fly well. You can launch more than once and change your design.

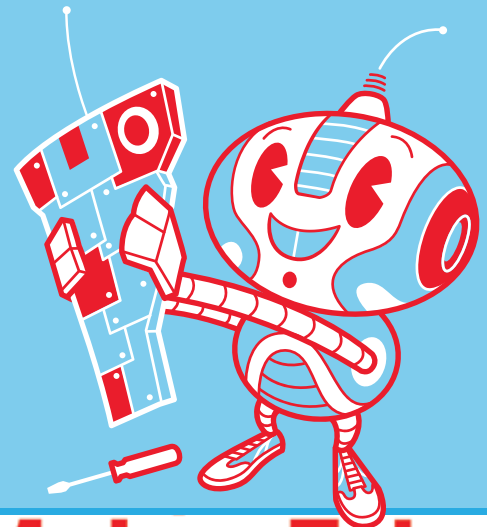
Learn to Solder with Laboratory B

laboratoryb.org

Soldering irons and kits will be provided and participants will leave with their completed circuit. Laboratory B is Burlington, Vermont's member supported hacker space. It is part of the Vermont Hackerspaces Inc, a Vermont non-profit. It offers visitor and members 700+ sq. ft of hacker/maker fun, with tools, presentation space, & parts galore. Laboratory B members are interested in a wide variety of technologies related issues.

AET Systems

AET was founded on the principle of bringing real-world industry experience into the technical training environment. As a value-added distributor for educational training products, AET is committed to the concept that hands-on training provides necessary foundational skills in all technical areas.



Maker Faire®

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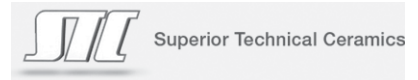
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