



Cleveland Public Library and Ingenuity Cleveland present

Cleveland Mini Maker Faire®

Saturday, April 13

10:00 a.m. - 6:00 p.m.

Cleveland Public Library
Main Library, Louis Stokes Wing • 525 Superior Avenue

Make • Create • Craft • Play • Build

Maker talks and demos • More than 50 maker stations

Hands-on activities for the whole family

Make:
makezine.com

Scene
magazine

N E S C O
RESOURCE

element14

THE GEORGE GUND
FOUNDATION



Ohio Arts Council
A STATE AGENCY
THAT SUPPORTS PUBLIC
PROGRAMS IN THE ARTS



Tech Know

Lower Level & TechCentral

The latest game-changing technology, gadgets, inventions and innovations.

The United States Fab Lab Network

MC2 STEM Mobile FABLAB

Stop Motion Video with the Youth Artists of NewBridge Cleveland

Tech Central – *make your own font, 3-D printing and Maker Kit Mania*

King Midget Kit Car – *design based on the 1960s version of the King Midget Model 3.*

Pole-ster by Longshot Camera Systems

Jitterbugs from the Great Lakes Science Center

Vishtauroborg by Doo-Sung Yoo

MakerGear 3D Printers

B3 Innovations – *Meet Pico: an all-metal hotend for RepRap 3D printers.*

OSLOOM – *an open source electromechanical thread-controlled floor loom*

7 Yaks Design – *knitting and spinning tools and accessories along with delightful fiber and yarn*

Central Ohio RepRap and MakerBot Users Group

Printing Point & Cool Chemistry

1st Floor

Investigate the history of printing and publishing and explore its future. Make chemistry magic.

Robot Rovers on Mars

Miser Magazine's Magical Nontechnical Page Construction

Design Straight Up With a Twist – *Fizz Creative*

Altered City: Michael Nekic's Visions of the Rust Belt

Cleveland State University's Magic of Chemistry

ATBOSH Media Ltd. – *Make your book a reality with Print on Demand*

Make Change, Make Games & Enter the Lightbox

2nd Floor

Play games. Make games. Explore business and social change for a better world.

Don't miss the Lightbox for cool maker projects which play nicely only in the dark!

The Cleveland Area Game Developers – *Arcade*

I-Dawson – *our mechanical/electronic Phil Dawson kicks field goals*

Action Fiction Adventure – *a fully-playable tribute to old school text adventure games of the 70s and 80s*

Thinking with Things* – *kinesthetic learning and interaction with objects, people and ideas*

Park(ing) Day – *rethink urban spaces and what they can be*

HD Video for Community Purposes – *learn to shoot, create, burn and distribute HD BlueRay DVDs*

Patent and Trademark Law – *Use the law to your advantage before your competitors use it against you!*

Hydroponics – *the future of sustainable agriculture: hydroponics, aeroponics, fogponics, aquaponics and more*

Shaker Launchhouse Business Idea Center – *Launchhouse is a capital investment fund, business accelerator and co-working space where ideas are launched, companies are grown and interesting people come to do business*

Cleveland Time Bank – *Go beyond bartering. Time really is money...exchange skills and services without cash*

I Am Sustainable Cleveland – *What does sustainability mean to you? Make CLE a bright green city on a blue lake.*

Make and Take Kinetic Light Rattles – *create a high tech rattle that glows in the dark and lights up when shaken*



Soldering Pavilion & Hackspace

3rd Floor

Some assembly (and dis-assembly) is definitely required.

Makers' Alliance – *soldering workshop*

Soldering Stained Glass Jewelry

Glowie Monsters* – *make and take your own mini-monster with glowing LED eyes*

Solar Flowers* – *make and take a solar-powered animated flower*

Create Your Own Chat Bot!

Arduino Jukebox

Cubelets – *a Robot Construction Kit*

DigiBartender

Solar Bamboo Plant

Sauerkraut Powered Robots, Proximal Actuator, and To & Fro

Circuit Bent Bikestra – *trick out your bicycle with playable circuits.*

Computer-Controlled Pumpkins

Maker Mania Resource Room

4th Floor

Has Maker Faire infected you with maker mania? Grab your library card and hit the Maker Mania Resource Room!

Your Cleveland Public Library is fully stocked with the information and resources you need to explore every interest! Stroll the aisles and take home some fuel for inspiration. Discover everything from fiber to fashion, music to microbots, electronics to ecology, wood to wire, and much more. It's DIY inspiration at your fingertips and it's all FREE!

Art, Craft & Sound

5th Floor

Fun for your hands, eyes and ears

Leather by Ricardo – *hand-sewn medieval-style leather jacks*

Decorative Ropework – *crafty and creative knot tying*

Fiber Club – *DIY all day: knit, print, embroider, pom-pom, craft, create!*


Secret Admirer – *create and send postcards or analog tweets to the ones you love*

Soulcraft Woodshop – *we're a community access woodworking, classes, space to work on your own projects and home to several emerging and established furniture designers and makers.*

The Musicians' Garden – *compose, play and record your own songs*

Neon 101 with Jeff Chiplis

*Registration required. Visit the registration table in the lobby.



Maker Talks and Demos Center Stage

Louis Stokes Wing Auditorium

Exciting hourly performances and demonstrations: inspiration and insight into the creative minds behind the Maker movement.

- 10:00 a.m. Muscle-Sensing for Dancing and Fun!**
KiteWeather (Dan Tan, Nathan Makowski and Josh Brown) is a collective of engineers and artists bringing creative technology to the masses. See life and movement illuminated as they present their self-designed and-built muscle sensors which use human movement to illuminate light suits or drive a remote controlled car.
- 11:00 a.m. The Future of Growing**
Advances in hydroponics, aeroponics and aquaponics fogponics offer a myriad of new options for sustainability and local food production. Sudhir Raghupathy shares the technological breakthroughs driving advancements in agriculture and local food production.
- 12:00 p.m. King Midgets: A Modern Tool**
Matthew Beebe of Midget Motors Supply, creators of the King Midget Kit Car, discusses the kit car and what car sharing, alternative fuels, fuel economy and sustainable practices can mean for communities everywhere.
- 1:00 p.m. The ABC's of Fab Labs**
David A. Richardson for the United States Fab Lab Network presents the ABC's of Fab Labs...places where (almost) anybody can make (almost) anything.
- 2:00 p.m. So, You Want to Be a Game Designer?**
Jared Bendis specializes in photography, virtual reality and computer graphics and serves as the Creative New Media Officer for Case's Kelvin Smith Library. His presentation explores the philosophical design considerations in the creation of games and interactive media and explores the larger question...what is a game?
- 3:00 p.m. Algebra of Girih Art**
A unique collaboration between ceramic artist Valerie Grossman and physicist Harsh Mathur, inspired by the study of medieval Islamic tiling patterns of exceptional symmetry and mathematical beauty.
- 4:00 p.m. S.A.R.A., OSLOOM and More**
Collaborative, interactive open source projects brought to you by //benitez_vogl.
Margarita Benitez: artist, asst. professor and fashion technologist, Kent State University
Markus Vogl: multimedia/installation artist, asst. professor, University of Akron
- 5:00 p.m. Exploring Human-Powered Light: Project X and Community Beacons**
Artists Jenn Figg and Matthew McCormack join Alyssa Lee Wilmot's Company A dance groups, composer Paul Cox, Parker Hall and the Case Western Reserve University Percussion Ensemble present an experimental, interdisciplinary work featuring instruments illuminated with live, choreographed movement.

TechCentral Demos

TechCentral, Lower Level

- 11:00 a.m.–12:00 p.m. – Making Your Own Font** - Learn all about fonts and then create your own custom ABCs.
- 1:00 p.m.–2:00 p.m. – 3D Printing Basics** - Learn about 3D Printing technologies, and how you can print objects in 3D.
- 3:00 p.m.–5:30 p.m. – MakerKit Mania** - Build circuits, synthesize music, construct towering structures, and more!

Fired Up!

Eastman Reading Garden

- 12:00 p.m., 2:00 p.m. & 4:00 p.m. – Fire Dance Demo and Discussion**



CLEVELAND PUBLIC LIBRARY
www.cpl.org

325 Superior Avenue • Cleveland, OH 44114 • 216-623-2800

TechCentral
AT CLEVELAND PUBLIC LIBRARY

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