

What do you make?



Make! Connect! Discover!

Tuesday, May 5th, 2015

LIBRARY P.1- 4

Hands on Activities & Demonstrations From:

InterAccess, Creatron, Icewire Maker Space, Toronto Tool Library, Textile Museum of Canada, Toronto Origami Society, bikeSauce, SoMo by Sonic Wear, Ms. Repair's Exercise Science Students, Lego Robotics, Knitting with Ms. Kim, Dungeons and Dragons with Mr. Green, Crochet with Ms. Brownlee, Crafting with Ms. Warrick and more!

Attention Students: come with your class during periods 1 to 4 or get a teacher's signature in your agenda to come at lunch!

THE NEXT 30 MINUTES

About the Maker Fair Movement

Why host a Maker Fair?

Tips and ideas for planning your own Maker Fair

**Integrating STEAM and Inquiry-Based Learning
into your Maker Fair**

Resources

CINCINNATI MINI MAKER FAIR

OCTOBER 19, 2013
WASHINGTON PARK
CINCINNATI, OHIO

Edinburgh Mini Maker Faire

family-friendly day out showcasing creativity, resourcefulness and invention from the UK's making and crafting community featuring everything from traditional crafts to technological innovation explored through workshops, demonstrations, talks and interactive presentations.

MEET OUR MAKERS

Science festival

Sunday 7 April, 10am-5pm • Summerhall • entry £2.50 (additional charges for some workshops may apply)
FIND OUT MORE: MAKERFAIREEDINBURGH.COM

Make: PROTO-PIC ROYAL SOCIETY OF ENGINEERING SUMMERHALL

Maker Faire

Maker Faire Tokyo 2012 — 家族で楽しめる、発明と製造がいついっしょのMakerムーブメントのお祭り
2012年12月1日(土) 12:00-17:00 / 2日(日) 10:00-17:00 <http://makezine.jp>

日本科学未来館 (東京) 主催 | 協賛: O'REILLY | Make:

Houston mini Maker Faire

Stafford Centre
January 19th

www.makerfairehouston.com

YOUNG MAKERS
ART TOYS
BOYS CNC
DIY HACKERSPACES
SPACE LIGHT TOYS
COKE ZERO & MENTOS FOUNTAINS
ALTERNATIVE ENERGY VEHICLES
ELECTRONICS
ROCKETS
SCIENCE & TECHNOLOGY
ROBOTS
LIFE-SIZE MOUSETRAP
LEGO
CERAMICS
GAMES
OPEN SOURCE
ARCATTACK
SOLDERING
STEAMPUNK
COMPOSTING
PERCUSSION

LETTERS
KEEPING
STEAMPOWERED
ANIMATRONICS
KINETIC ART
FABRICATION
BICYCLES
PINBALL
MACHINES
BALLISTICS
FERMENTING
PEDAL POWER
INVENTION
CHOICE MAKING
DESIGN
EMBROIDERY
MECHANICS
PHOTOGRAPHY
FIRE ARTS
HAM RADIO
MAGNETS

Maker Faire

7th Annual BAY AREA
MAY 19 & 20
makerfaire.com

Maker: A Division of O'Reilly Media. Maker Faire is a service activity in a growing community of thousands of people who believe that if you can imagine it, you can make it. © O'REILLY

Shenzhen Mini Maker Faire

深圳南山
华侨城创意园

04月06日
2013

深圳制汇节

Arduino Team
创客联盟
www.shenzhenmakerfaire.com

主办方: 南头华侨城创意园 | 承办方: 英一创意文化传播有限公司 | 协办方: 人民邮电出版社(深圳分社) | 赞助商: Seed Studio (创客公社) | 赞助商: Seed Studio (创客公社)

World Maker Faire 2012

Montréal Mini Maker Faire

25-26.08.2012
12-18h \$6
www.makerfairemontreal.ca

WALL-E-NXT
Quadrcopters
Blastbox
Steampunk
Raspberry Pi
R2-T4 Droid
J.S. Joust
Atelier de soudre

UBISOFT
spikenzielabs.com
DRONES
SWEET LEE'S
Artduino
contrôleurs de jeu Bizarro
L'impression 3D: RepRap
Ultimaker
Thing-O-Matic

Storage
Céramics sources
Nao 1337
RoboBoids
Port K'Nex

in collaboration avec:
EXPERIMENTAL ESPLANADE Parc Olympique Metro Pie-IX

SAVE the DATE!

Maker Faire

8th Annual BAY AREA
SAN MATEO EVENT CENTER, SAN MATEO, CA

May 18 & 19, 2013

SAT 10AM-8PM, SUN 10AM-6PM
makerfaire.com

THE GREATEST SHOW (and TELL) ON EARTH

Brought to you by MAKE magazine

COKE AND MENTOS
ROBOTS
TESLA COILS
SOLDERING
ROCKETS
ARDUINO

WE ARE ALL MAKERS

Austin Mini Maker Faire

SATURDAY
MAY 3RD

A one-day, family friendly event to MAKE, build, hack, learn, sew, write, see, swap, connect, craft, play, solder, invent, think and be inspired.

TRAVIS COUNTY EXPO CENTER

What is a **Maker Fair**?

A **Maker Fair** is an event to showcase **invention, creativity** and **resourcefulness**.

It is a **celebration of transdisciplinary making!**

WHY HOST A MAKER FAIR?

To provide experiential, transdisciplinary learning opportunities

To re-conceptualize your Library Learning Commons

To foster an environment for your community to make rather than consume

To combine Inquiry and STEAM approaches through self-guided learning and discovery

SOME PLANNING TIPS AND ADVICE TO SPARK INNOVATION, IMAGINATION AND CREATIVITY IN YOUR COMMUNITY

- **Start planning 3-6 months in advance**
- **Gather ideas and inspiration by attending a Maker Fair**
- **Consider your audience**



PLANNING

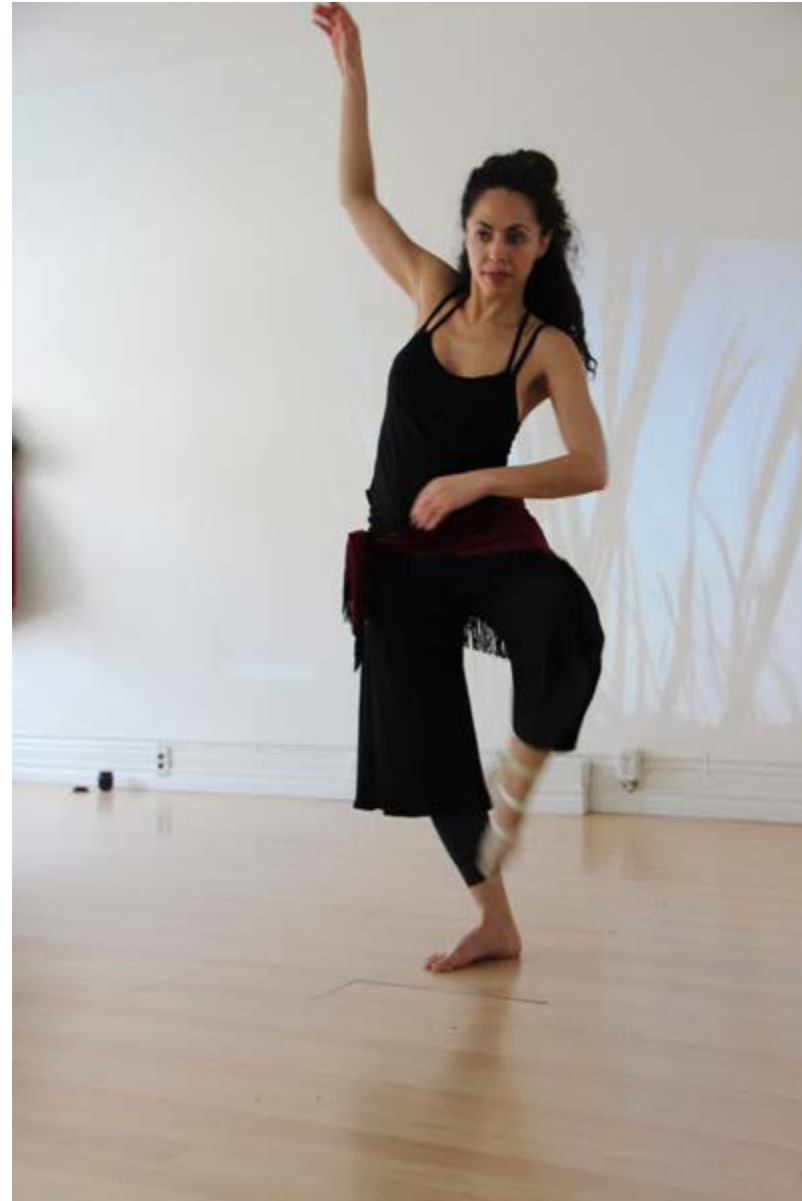
- Secure a location for your event
- Look to your local community, fellow staff, administration, as well as organisations outside of your school or library for people who may be interested in exhibiting their projects
- Consider a variety of “making” strategies for your stations

PLANNING

- Develop a budget and timeline
- Promote your event through posters, social media and announcements
- Connect with teachers, librarians and colleagues and have them sign up to come to the event
- Work with a STEAM coach (if available to you)
- Contact other TL's for resources and support

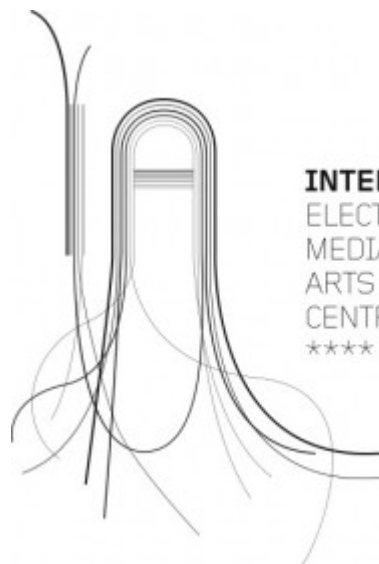


Icewire
makerspace

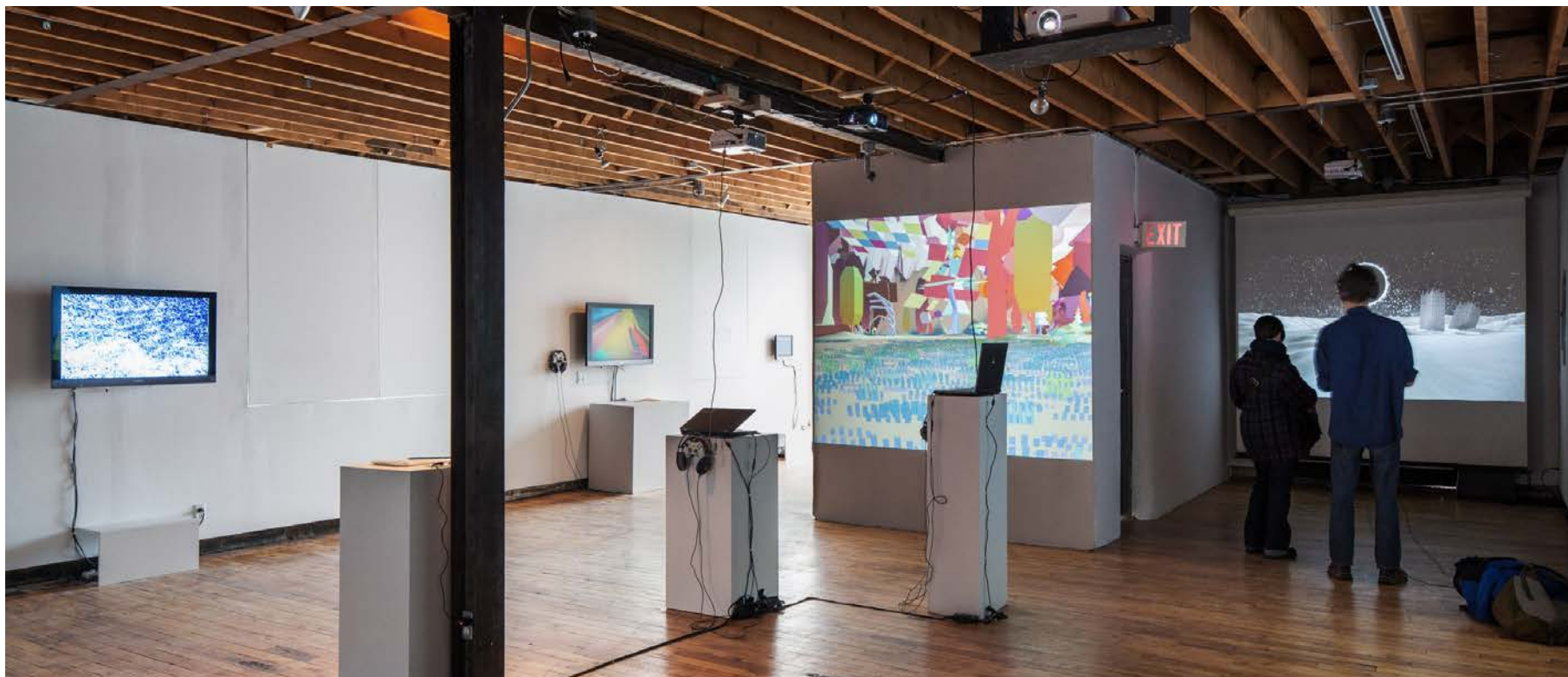




TEXTILE MUSEUM of CANADA
connecting cloth, culture & art



INTERACCESS
ELECTRONIC
MEDIA
ARTS
CENTRE





ORIGAMI

SOCIETY OF TORONTO







And many more exhibitors including;

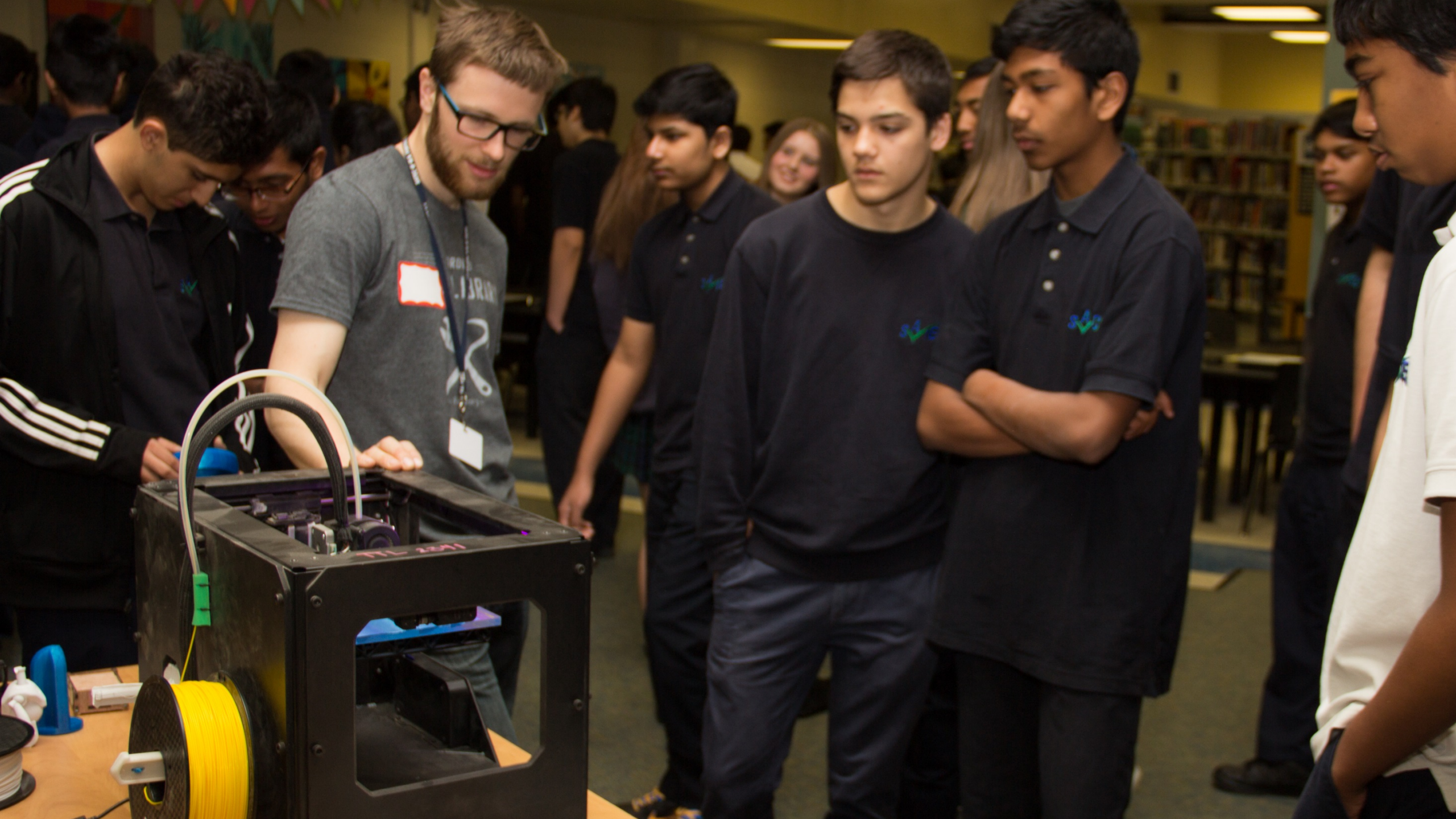
- Ms. Repar's **Exercise Science** class
- Mr. Sutcliffe's **Lego Robotics** and **Arduino** kids
- Ms. Brownlee's **Crochet** Demo
- Mr. Green's **Dungeons & Dragon's** Demo
- Ms. Warrick's **Crafting** Demo
- Ms. Kim's **Knitting** Demo
- MVP Arts **Animation**
- Gardening** Club
- Free the Fifth's **Art Therapy**
- Eco** Club

**Post Inquiry-Based Questions at the Fair
to help students and participants make
transdisciplinary connections**

**What's better-things
made by machine or
things made by
hand?**



**What is the difference
between making and
manufacturing?**



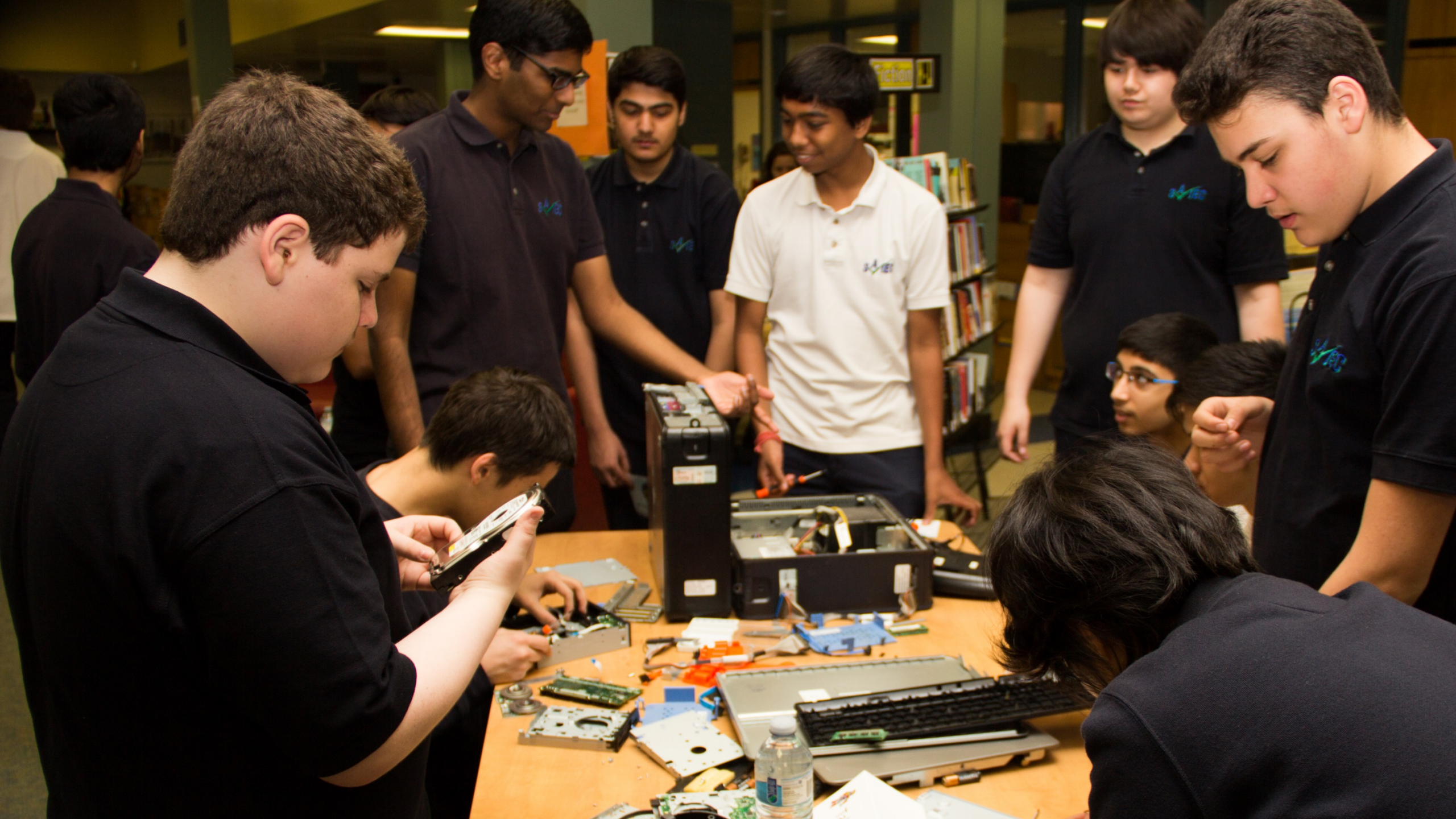
**Is there a hierarchy
of making?**



**How did the last
thing you made
make you feel?**



**Can making improve
social conditions?**



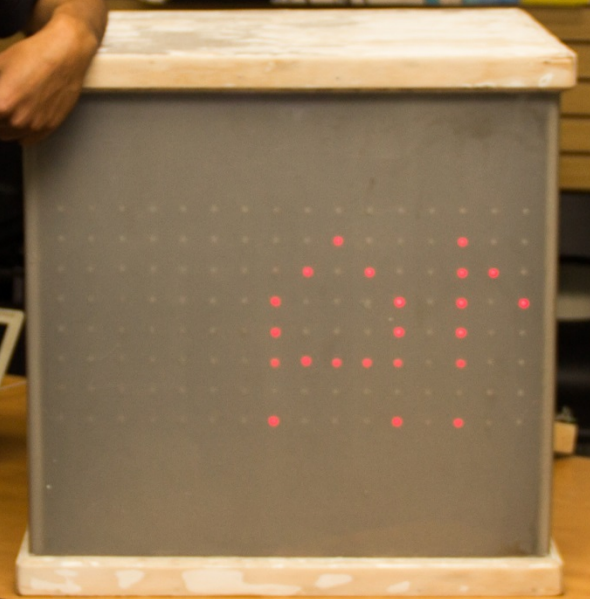
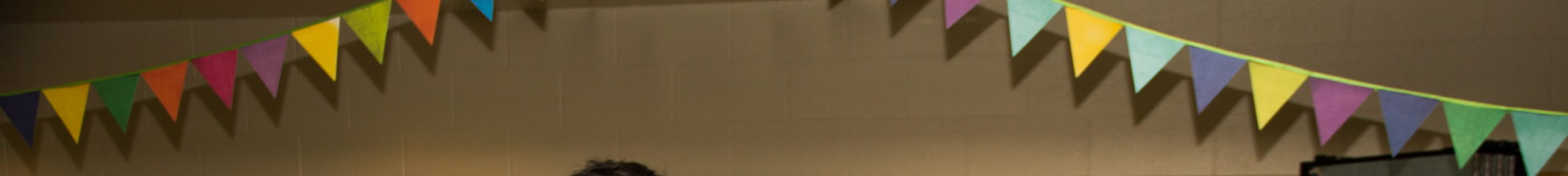
**How do different
cultures value
making?**



HELEN ZUGHAIH



**Why is making
empowering for you?**



**Does your gender
determine what
you make?**



**How does making
help you learn
about the world?**



Is making an essential
human quality and
right?



**How is media
changing the way we
make?**



**How will making be
different in the
future?**

PLANNING

Ask participants for feedback

Share YOUR thoughts!

Write your answer to any of the questions below on a sticky note

What did you like best about Maker Fair?

What was the thing you liked most about this event?

If you could make anything, what would it be?

What was the last thing you bought? Why did you buy it? What did you make it?



**What was the last
thing you made?**

A poem *Pasta* *An origami balloon*
A T-shirt *An origami dove* *A bracelet*
I made fire beats *Some food* *A YouTube video*
A model plane in Auto Cad *A dress* *I knitted a shawl*
A card *An animation* *A soccer-playing Lego robot*
A car *A sandwich* *A paper boomerang*
A custom PC *An elbow joint* *A USB holder*
A poster *A stuffed animal* *A popsicle bridge*
A paper flower *A painting* *A boat* *An origami swan*

**What was the last
thing you bought?
Why did you buy it
and not make it?**

- *I bought candy for a presentation. I bought it because I don't know how to make it.*
- *I bought a dress. I cannot make a dress.*
- *A Subway sandwich. I am bad at making food.*
- *Nikes. I don't have the resources.*
- *Coffee. I was tired.*
- *The last thing I bought was gum. I don't know how to make gum.*
- *I bought a necklace. I didn't make it because I'm lazy.*
- *An XBOX game. I don't know how to make it.*
- *The last thing I bought was a phone. I don't have the skill or equipment to make a phone.*

**If you could make
anything, what
would it be?**

Working wings **A self-driving car** **A table**
Origami **A robot to do all my work**
A lucid dream device **A big pizza that everyone could eat**
An oven that makes instant food **Earrings**
A robot that greets me when I get home **A woolen sweater**
Super powers **A cure for cancer** **Money**
Something on a CNC router **A nice car**
An origami rose **A new dress** **A computer**
Ice cream that never melts **A plane** **Cheesecake**
A flying suit **A time machine** **Pizza**
A toy robot **A super computer** **An invisible cloak**

**What did you like best
about Maker Fair?**

The crafting station

The “Take Apart” station

I liked making origami

The different things we learned

I liked the knitting

The “Take Apart” station

Paper Making

SOMO – Sonic Movement

The robots

The creativity

The variety of activities

Knitting

Origami

I enjoyed the weaving

The book binding

I liked the 3D Printer a lot



What do you make?



*we
are all*

MAKERS



RESOURCES

Books;

- [IQ: A Practical Guide to Inquiry-Based Learning](#)
- [Make Just One Change](#)
- [Invent to Learn](#)

Articles;

- [CBS: Inquiry-Based Learning](#)
- [What is the Maker Movement and Why Should You Care?](#)
- [Why the Maker Movement is Important to America's Future](#)

My Contact Info:

Sarah.Massecar@tdsb.on.ca

Q&A