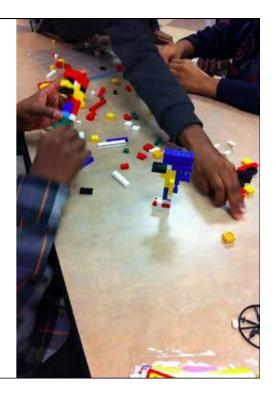
## MAKERSPACES AND LIBRARIES

Kristin Fontichiaro University of Michigan School of Information @activelearning

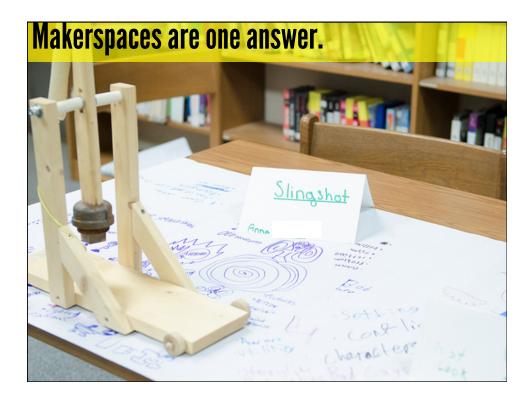
TXLA 2014 1:00 - 1:50pm

Download today's slides: http://bit.ly/fontblog



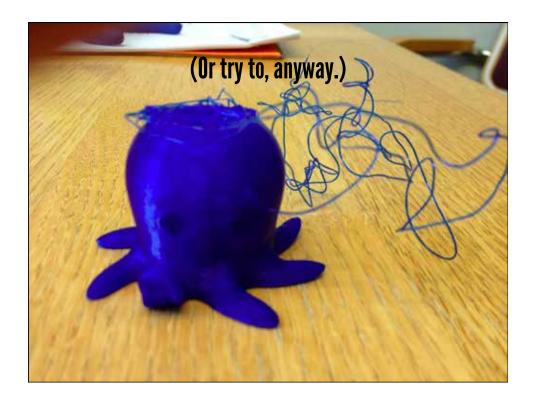






















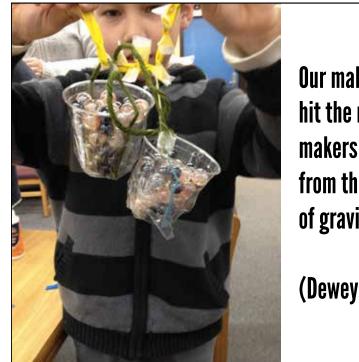






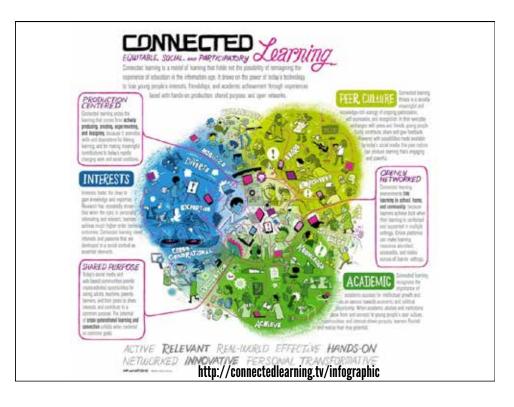
# No Two Makerspaces Are The Same.





Our makerspaces hit the mark when makers are working from their "center of gravity"

(Dewey 1900)





#### **#1: KNOW YOUR PURPOSE BEFORE YOU BUY ANYTHING.**

Entertain? Inform? Educate?

Enhance academics? Fill a void in academics?

Introduce concepts and tools or provide access for savvy users?

Have one-off programming or build a community?

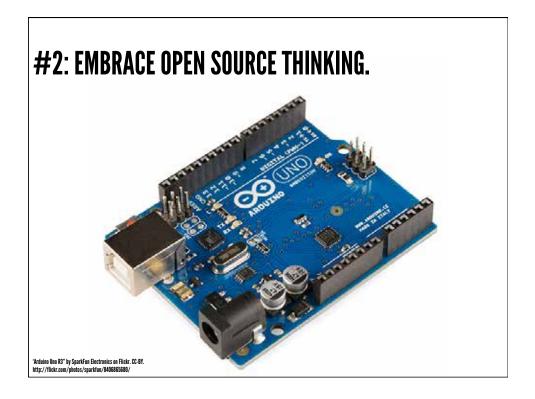
Create an in-house community? Serve as an-ramp?

Welcome new makers? Provide new services for existing makers?



#### **Example: Michigan Makers**

- Create community around making
- Balance DIY exploration with guidance from mentors
- Create sustainability and replicability
- "Have something for every member of the family"
- Welcome female makers



















#### East Middle School

1042 S. Mill Street - Plymouth, Michigan 48170 Phone: 734 / 416-4960 + Fax: 734 / 416-4949 Alecteur Disastreet of Education According School PLYMOUTH-CANTON Community • Schools Scott Burek Principal Christopher Mosek Ameter Brocioci

4/24/13 To whom it may concern,

To union and y controls, I can writing about Michigan Makers, an after-school program at East Middle School. In Michigan Makers, you learn differently than you world in a regular classroom. You learn about how to make an endless list of things. Makers learn how to work with programs like Scratch. They ido learn about things that other makers around the world have central, like Auduane, and the Laspberry Pi. Makers learn about other concepts like board game design, conductive clay, 3D printing, making consist, and sewing no. With all three things, you are free to use your rearistivity in conting up with your own creations. But it's much more than that, Along the way, you learn about teamwork and problem solving. You meet other people who have completely different brains and theaughts, and who have the same interest in making that you do.

The graduate students came overy week to our school. They spent tons of their tims to make it work, and they taught us so much. They were very patient, and endured all of our questions. They made the learning finn, and actually learned with us two The attaches neovaraged us to step out of so hat we were used to doing. We could show our projects and creations to then, and they would give us highful feedback. They would give us their honest viewpoints: what was great, and what we could fix. They dish't teach us by handing us tetholosis and assignments. They tanght us by guiding us, then letting us figure things out on our own and solve problems in our own way.

The main thing I got out of Michigan Makers is a love of making. I met fascinating people. I got an understanding of how to use different programs and new skills. I also got many more ideas for cool projects I could work on in the future.

A school/library/community center/company should hire the graduate students because they are very dedicated. They have a lot of patience and know how to work well with people. They are enthusiastic about every idea. They have tons of umazing ideas, and they can make anything possible.

> Sincerely, Himajo Himaia

In Michigan Makers ... you are free to use your creativity in coming up with your own creations.

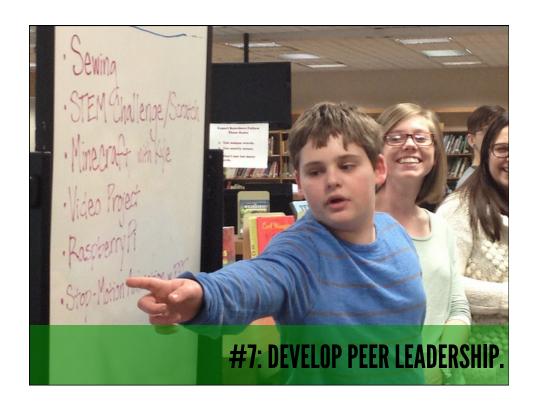
But it's much more than that. Along the way, you learn about teamwork and problem solving.

You meet other people who have completely different brains and ideas and thoughts, and who have the same interest in making that you do ...

The [graduate] students encouraged us to step out of what we were used to doing. They taught us by guiding us, then letting us figure things out on our own and solve problems in our own way.













### **#10: CREDENTIAL LEARNING BEYOND SCHOOL.**







