Getting Started with Makerspaces and 3D Printing

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Design

Make

Teach

Makerspace?

Makerspace is an idea.

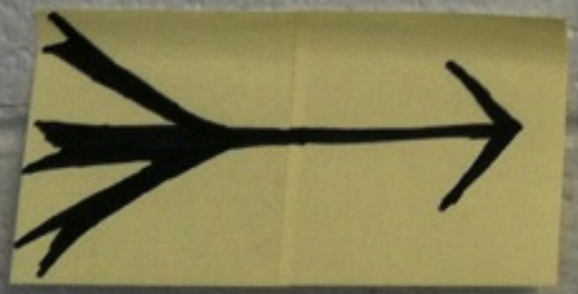
Students can learn by Making

MakerSpace
How it Works

Solve a Problem

Answer a Question

Fill a Need



Design

Brainstorm

Hypothesize

Think

Build

Make

Experiment

Fab

Share

Market

Publish

Teach

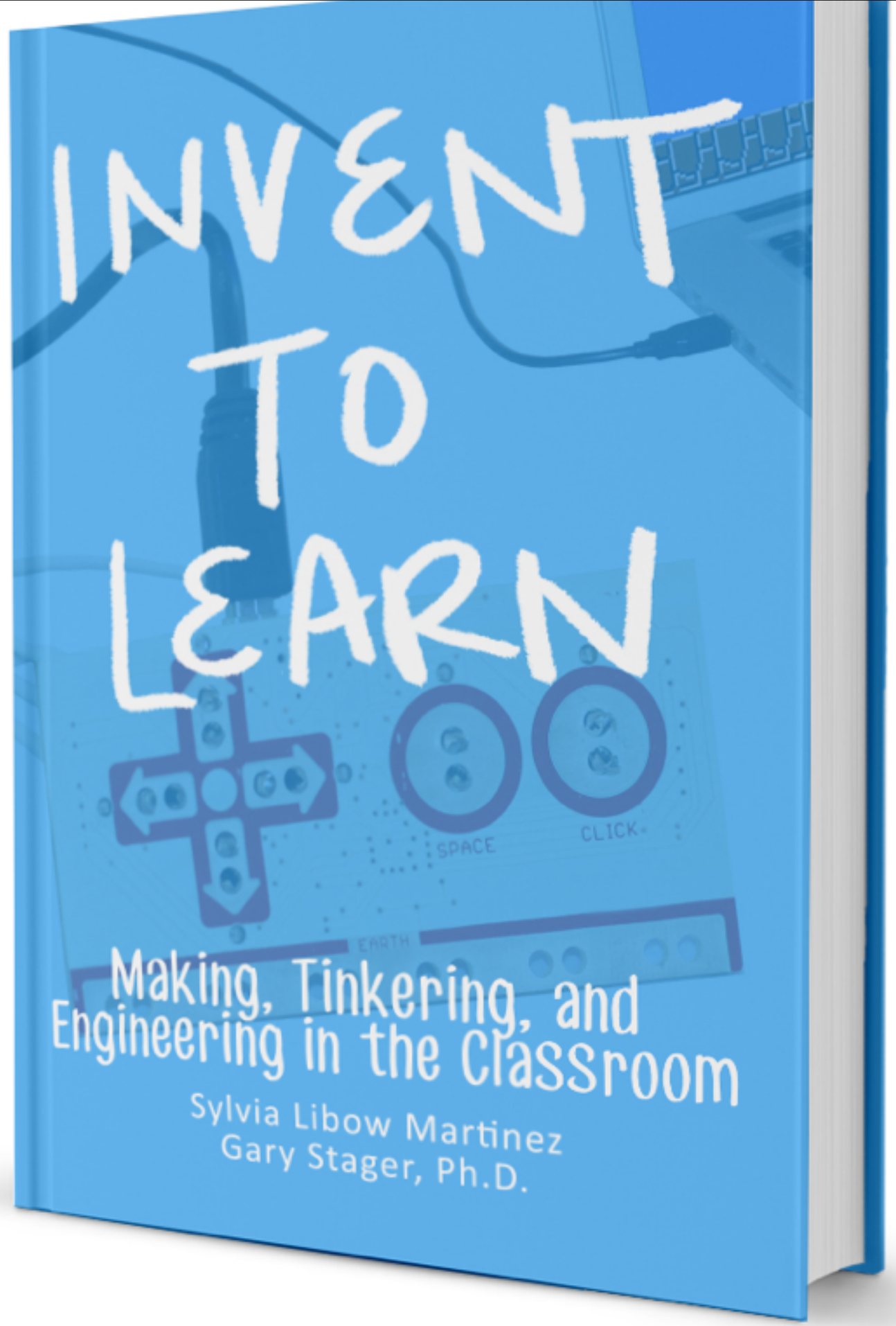
Folding instructions at http://www.pocketmod.com/howto/

Mini Maker Notebook

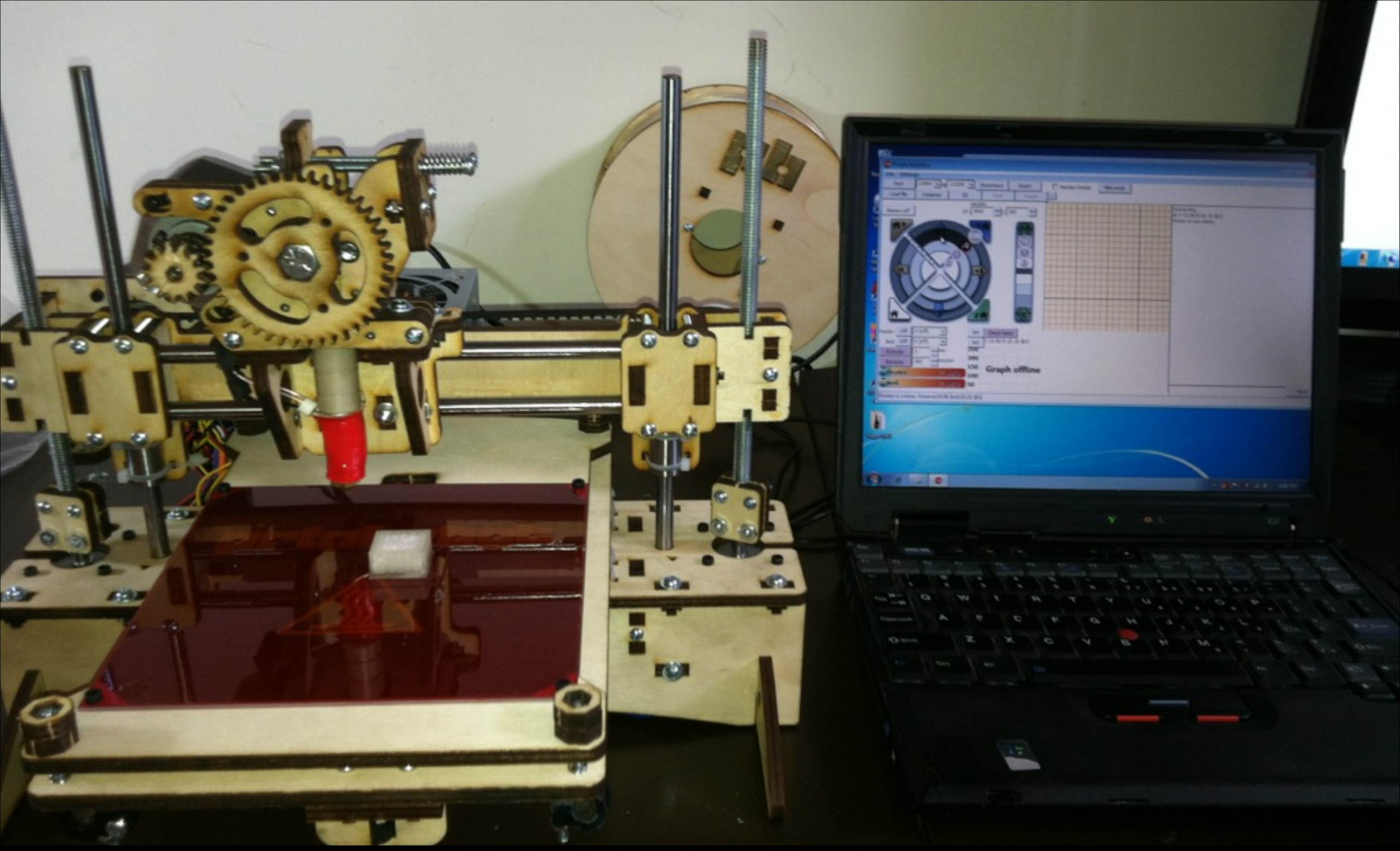
Name:_____

Date:_____

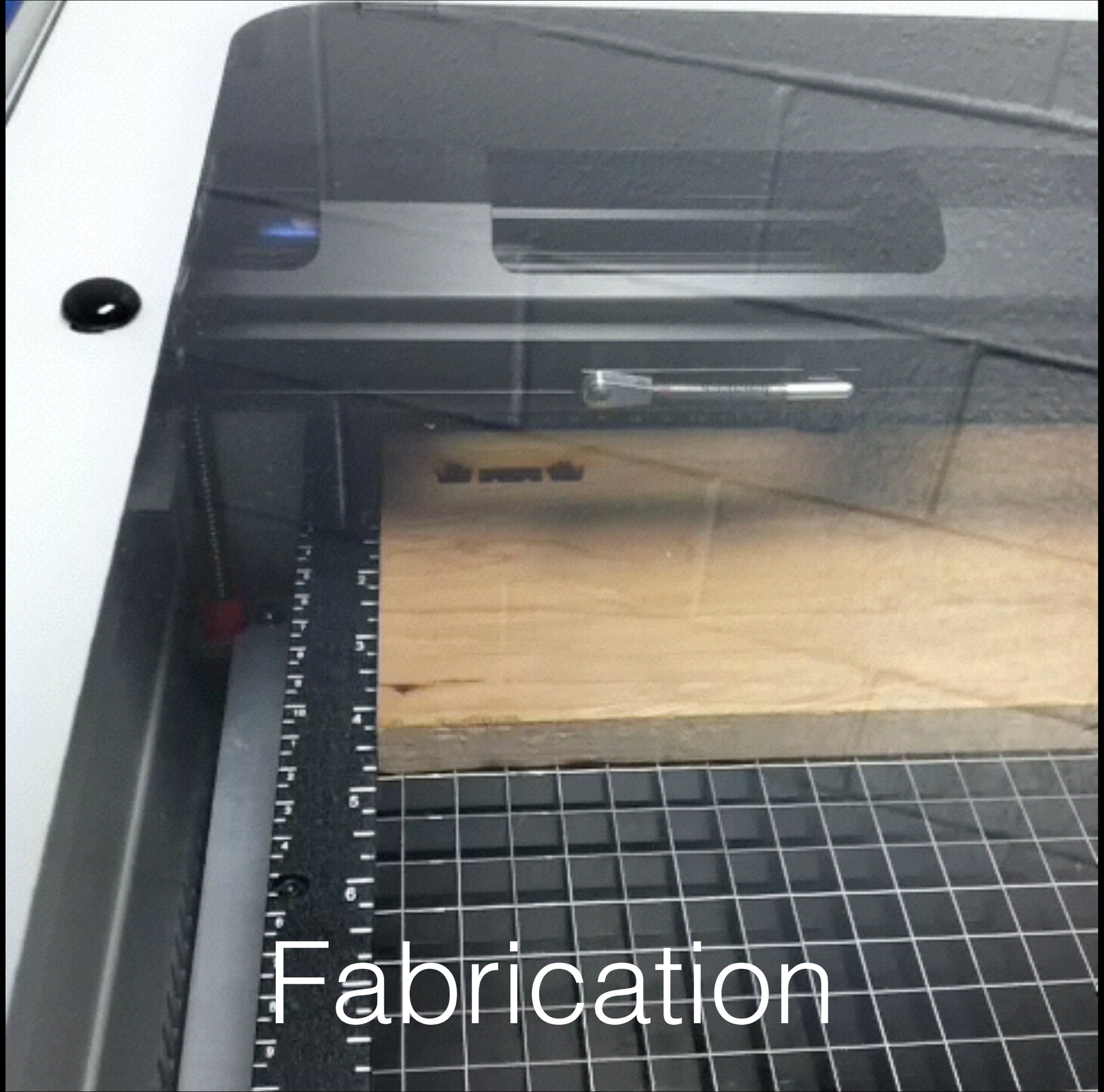
Problem:


INVENT
TO
LEARN
SPACE
CLICK
EARTH
Making, Tinkering, and
Engineering in the Classroom
Sylvia Libow Martinez
Gary Stager, Ph.D.

Game Changers



Fabrication


Fabrication

Physical Computing

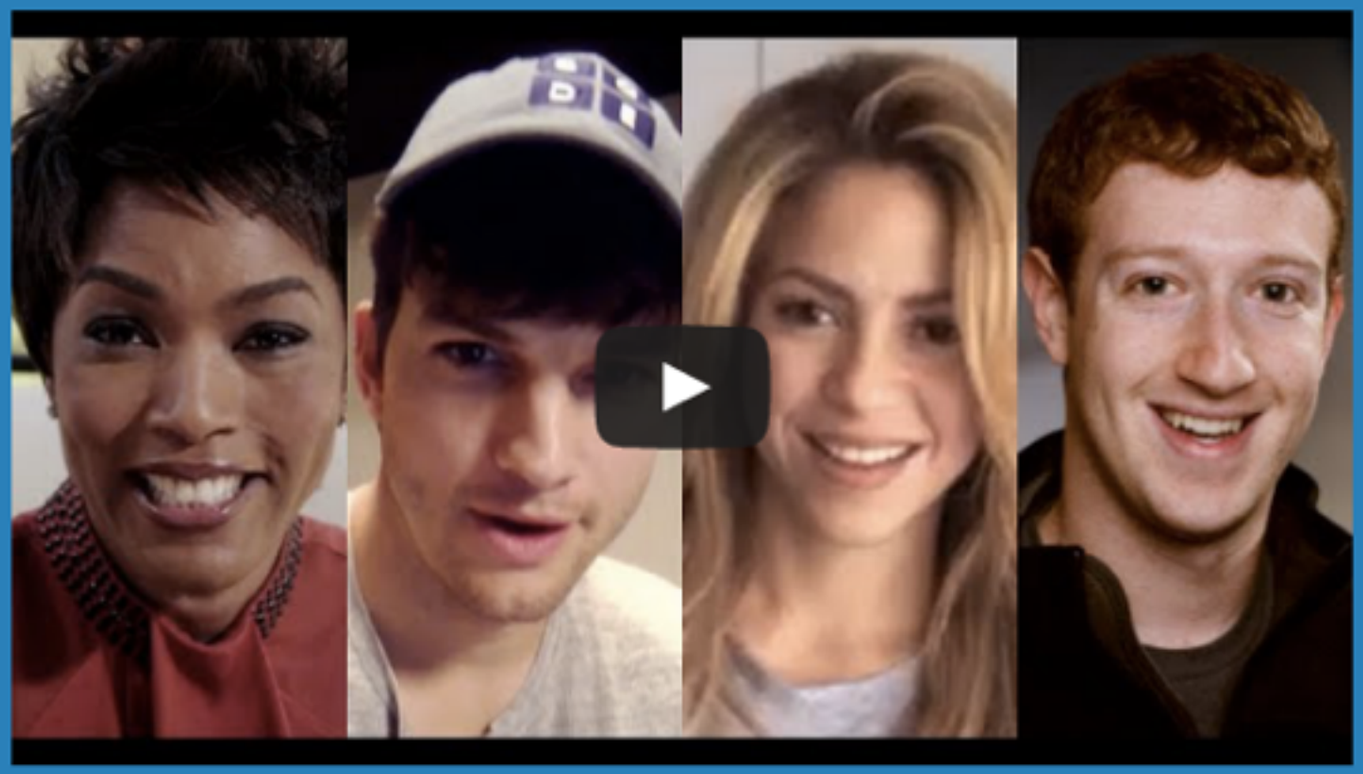
Physical Computing

Photo by @aliharper20

Computer Science
Education Week DECEMBER 9–15, 2013

LEARN TEACH PROMOTE HELP US

120,522,587 LINES OF CODE WRITTEN BY STUDENTS



4,215,024
have learned an
HOUR of CODE
Anybody can learn.

Start

Beyond an HOUR OF CODE >

Share on Facebook Share on Twitter

Sign your name if you think every student in every school should have the opportunity to learn computer science

Programming

Getting Started

STANLEY
FatMax

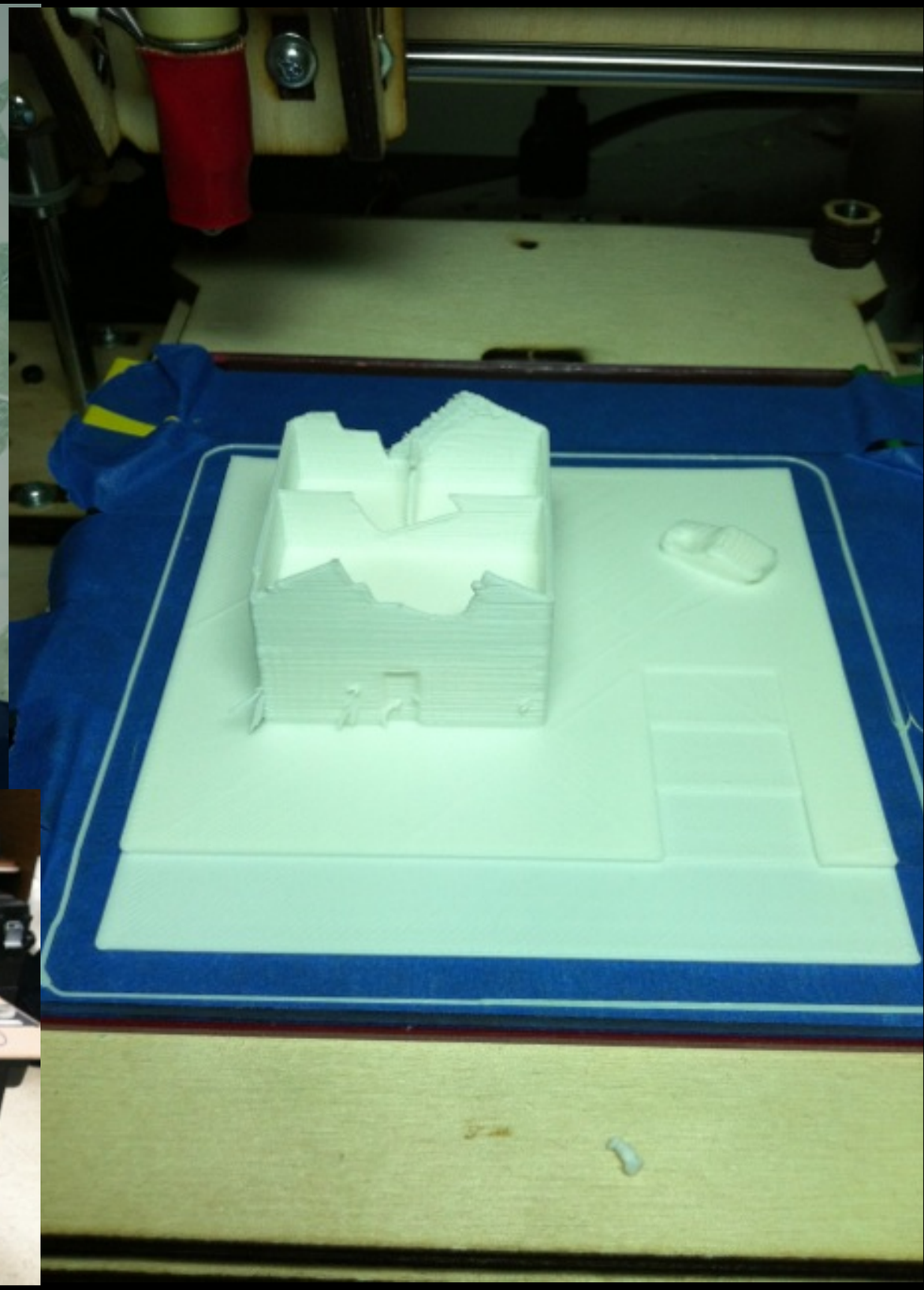
Office DEPOT
collapsible cart
with lift-off lid
Office DEPOT
collapsible cart
with lift-off lid

Makerspace

Folding instructions at http://www.pocketmod.com/howto/
Mini Maker Notebook
Date:
Problem:
Hurricane slowly
Badges
For Hurricanes
Has 2 pitches to
turn into badge
36 Kids
40 total if possible
Don't need until
Wednesday
- Natural
Color
- wants
snail-like Hurricane
- number eye of
hurricane
Design
Design

STEM Camp

STEM Camp



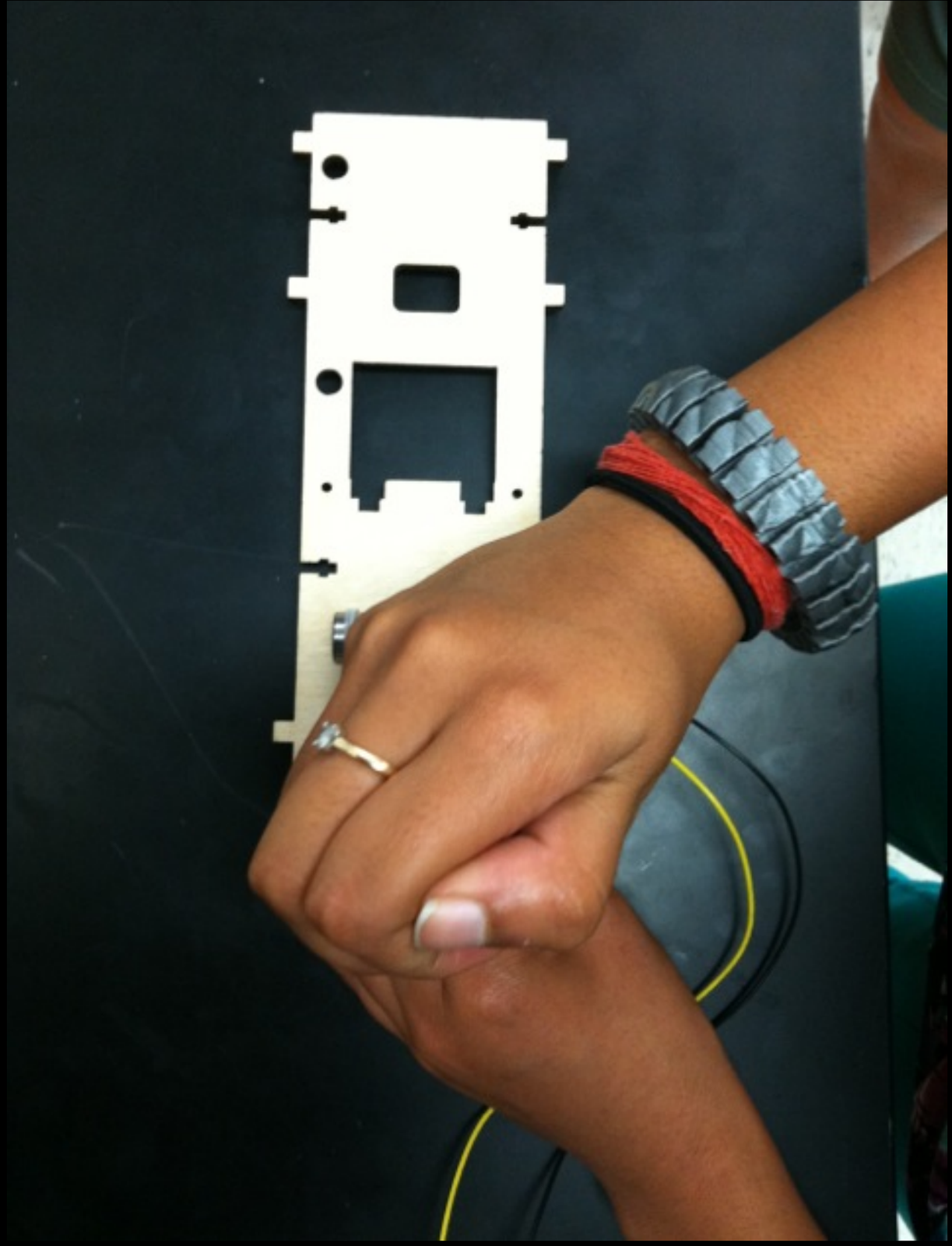
STEM Camp

Library Makerspace

Library Makerspace

3D Printer Club

3D Printer Club



3D Printer Club

Maker PD

Learn More

- InventToLearn.com
- http://makerspace.com/
- http://www.makered.org/
- #makered Twitter chat Tuesday 9PM
- DesignMakeTeach.com