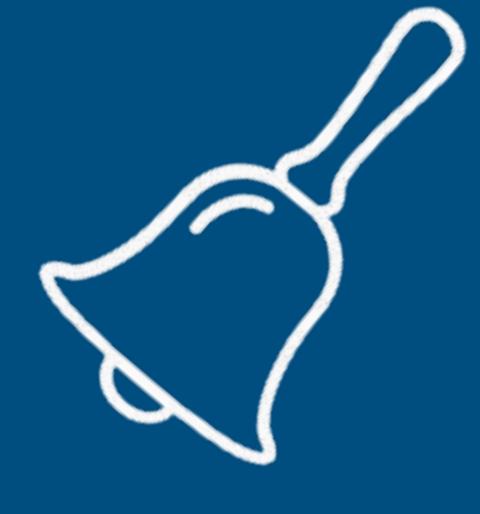
The Makerspace Chromebook



Josh Ajima
DesignMakeTeach.com



Bell Ringer

Describe your Makerspace and what you want to do with

Chromebooks.

Share

-with the person next to you and/or

https://padlet.com/designmaketeach/n2s3urdy1hkb



Goal

- Learn how to use the Chromebook as an essential tool in the makerspace.
- -2D and 3D design
- -3D printing
- -programming/physical computing
- -sharing/documentation

Chromebook Demo Slam Give a 90 sec. demo to the group of a Makerspace Chromebook tool/tip/application.

Physical Computing Prize!!!

HANDOUTS & CONTACT INFO



DesignMakeTeach.com/TCEA

Josh Ajima

@DesignMakeTeach
DesignMakeTeach.com
youtube.com/designmaketeach

FEATURED PRESENTER



Digital Fabrication in the Classroom Mon, February 5th, 8:00 AM – 11:00 AM, 9C

Scaling Up the Makerspace Mon, February 5th, 3:30 PM – 4:30 PM, Ballroom E

The Maker Mindset Tue, February 6th, 9:45 AM – 10:45 AM, Ballroom F

Making with Head, Hands, and Heart Tue, February 6th, 11:30 AM – 1:00 PM, 6B

The Makerspace Chromebook Wed, February 7th, 8:00 AM – 11:00 AM, 10A

3D Printing Projects That Matter Wed, February 7th, 3:30 PM – 5:00 PM, 9A

EDUCATOR



Instructional Facilitator for Technology
-Dominion High School & Loudoun Academy of Science, Sterling, VA (2003-present)

Director of Instructional Technology -Clarke County, VA(1998-2003)

Teacher: Chemistry, 7th Life Science, 8th Physical Science, Cisco Networking
-Clarke County, VA (1996-1998)

Josh Ajima - DesignMakeTeach.com

MAKER



Make Magazine Review Team 2014 & 2015

Featured: Thingiverse, Pinshape, Adafruit

World Maker Faire NY: Best in Class Ribbon

Outsider Art Fair NY: Tower Design Competition - 2nd Place

MAKER EDUCATOR









Top Educational Model

The Top Educational Model Award goes to

DesignMakeTeach for his design, Hidden Figures. This
model integrates a number of educational concepts,
including 3D modeling and the physics involved with light
opacity. Congratulations and we hope the Wacom Cintiq
and Adafruit and 3D Hubs gift cards help you continue
your inspirational work!

US Department of Education's CTE Makeover Challenge Winner

Stanford FabLearn Fellow

Formlabs 3D Design Awards -Top Educational Model

Construct3D 2017 - K12 Program Chair

VSTE Innovative Educator of the Year

Josh Ajima - DesignMakeTeach.com

MY MAKER JOURNEY



Neil Gershenfeld: MIT Center for Bits and Atoms

-2005 NSBA Conference

-How to Make (almost) Anything

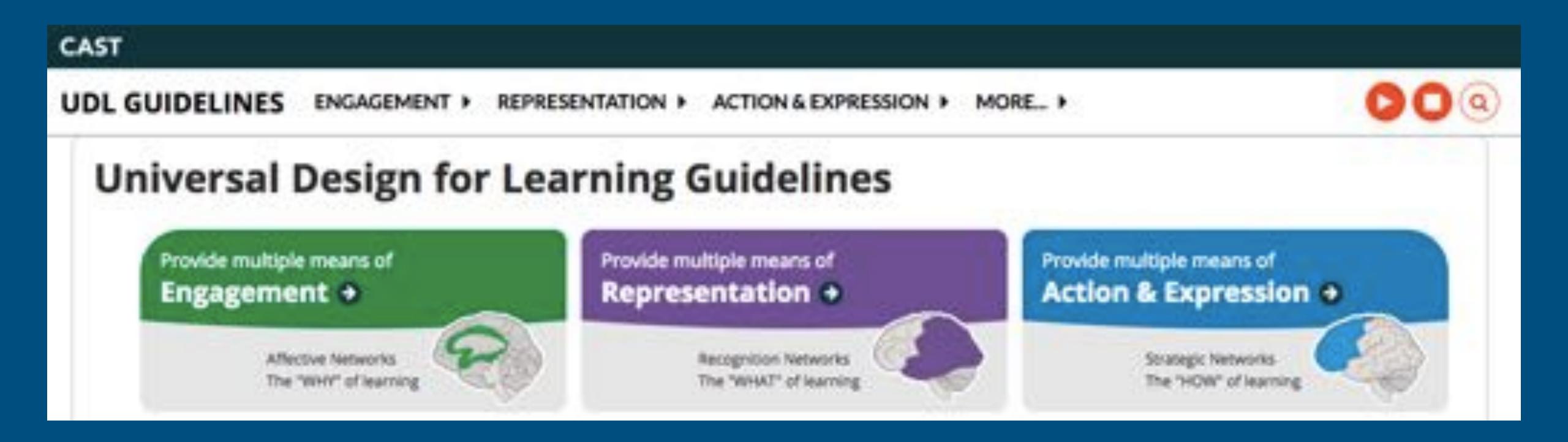
-Personal Fabrication

-FabLabs

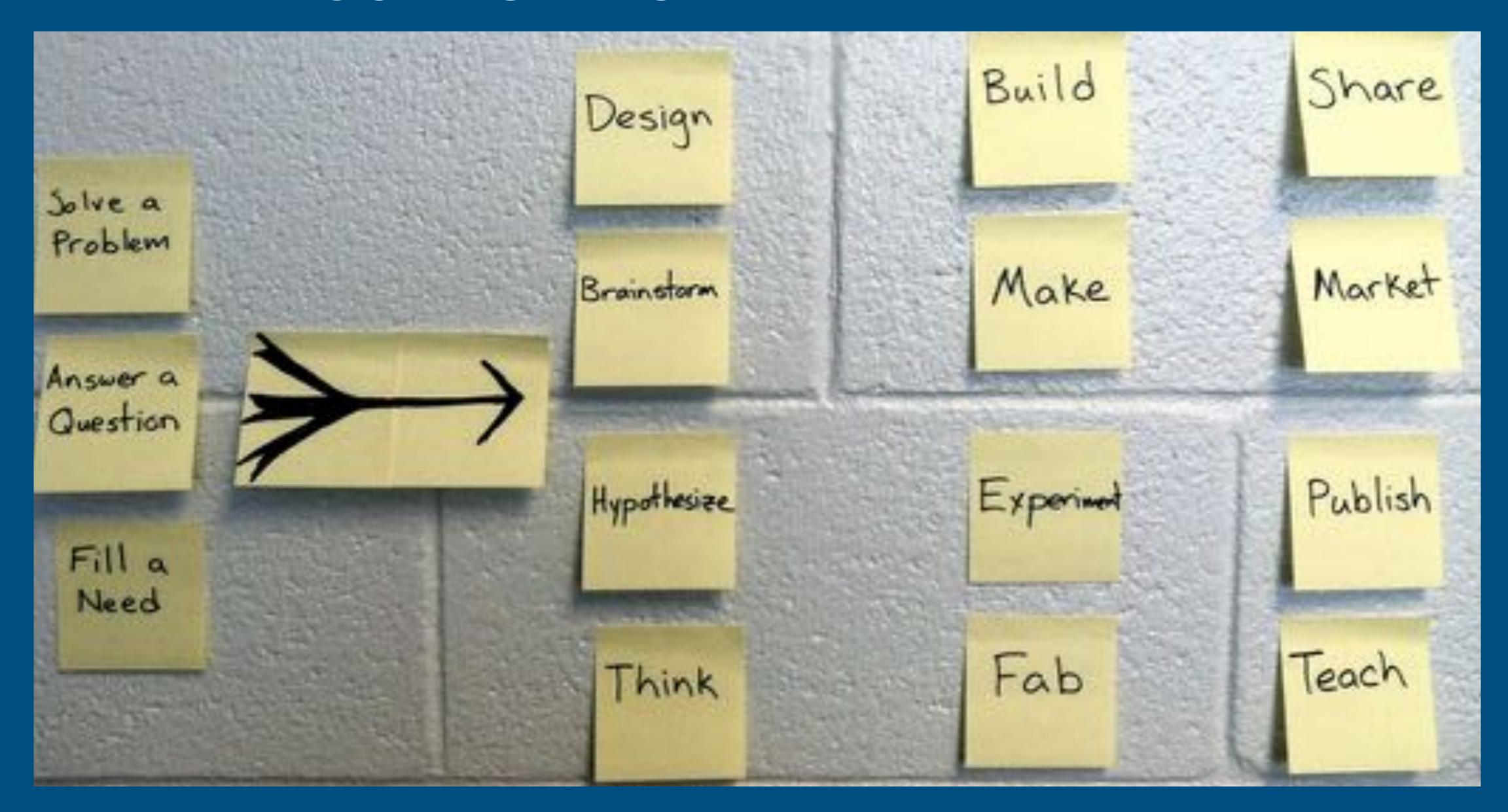
Josh Ajima - DesignMakeTeach.com

UNIVERSAL DESIGN FOR LEARNING

- -Multiple Means of Engagement
- -Multiple Means of Representation
- -Multiple Means of Action & Expression



A MAKER EDUCATION MODEL



Josh Ajima - DesignMakeTeach.com

PERSONAL INVESTMENT



Josh Ajima - DesignMakeTeach.com

Why Chromebooks?

Providing students with a Chromebook rather than a proper laptop computer is akin to replacing your school orchestra instruments with kazoos.

-Gary S. Stager

a huge amount of Chromebook use is being spent on educationally questionable video games, low level assessments, and YouTube

-Andy Losik

Why Chromebooks?



Still probably need a PC/MAC in the Makerspace

Maker Project Chaos



Learning

Repositories 2D/3D Design

2D/3D Design

Coding

Physical Computing

Demo Slam

Chromebook Demo Slam Give a 90 sec. demo to the group of a Makerspace Chromebook tool/tip/application.

Physical Computing Prize!!!

Sharing

HANDOUTS & CONTACT INFO



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Josh Ajima

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youtube.com/designmaketeach



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