Makers’ Mark

A Survey of Makerspace Initiatives at IU
Intro to 3D Modeling with Tinkercad

Tomorrow! Thursday, April 20
2:00-3:30pm
Wells Library W144
Register at iub.libcal.com
Start by Making Glowies

SKILL LEVEL 1

Tape an LED to a battery and you’ve made a “Glowie.” This simple circuit is the secret ingredient for all the activities in this chapter. In fact, it’s the basis for lots of different ways to make your world glow.

Get your tools & materials...

TOOLS
- Scissors

MATERIALS
- One LED (any type)
- One 3V coin-cell battery (CR2032)
- Tape (any type)
Characteristics of a makerspace

Hands-on learning (creating over consuming)

About communities of people (not stuff)

Failure is inevitable (and encouraged)
What is a makerspace?

“A makerspace is a place where people can gather to create, invent, tinker, explore, and discover using a variety of tools and materials.”

-Diana Rendina, Renovated Learning
Feeling flat? Print 3D.
Monday–Friday
10am–4pm
(812) 856-1574
go.iu.edu/IKL

MAD LAB
MAKERSPACE FOR ART AND DESIGN

Creativity Labs

Make
Innovate
Learn
Lab
MAD LAB 1

Located in Fine Arts 141
Affiliated with the School of Art + Design
Opened in 2016
Digital fabrication output labs
Laser Engraving & Cutting
Vinyl Cutter
FDM 3D Printers
SLA 3D Printers
Binder Jet 3D Printer
Funding

Originally funded by the Chair of the Studio Art Department, funds from the Dean of the College of Arts and Sciences, the Dean of the School of Art + Design, and the Department of Chemistry.

Services are billed to bursar, research, or departmental accounts.

Costs roughly ¼ of equivalent commercial services.
People

Ryan Mandell, Digital Fabrication Labs Coordinator

Staffed by students that specialize in different areas

Open 9a-4pm Monday through Thursday and 11a-5p Friday through Sunday
Tour the MAD LAB
Make Innovate Learn Lab
School of Education
Opened Fall 2015
Adam Maltese, Director
Access

Accessible during open lab hours

Key card access available for students and faculty with training
Tour the MILL
Creativity Labs

Affiliated with the Center for Research on Learning and Technology

Grant funded project team that aims to bring STEM and creativity into learning

Offices and workspaces in Eigenmann Hall
Staff & Partnerships

3 staff, 5 full-time grad students, and 5 hourly students

So many partnerships!!!
Projects

Re-Crafting Math

Making connections between math and traditional women’s craft

Funded by the National Science Foundation
Projects

BioSim

Students take the perspective of an ant or honeybee

Computer enhanced e-puppets

Images from IU Newsroom
Tour the Creativity Labs
UIT3 3D Printing Lab

4th Floor of Wells Library
Opened Fall 2015
Staffed by students
Andy Webb, Coordinator
Future Plans

Experimenting with different materials

Alternative 3D printers

Course integration
Tour the 3D Lab
Maker Cart

Purchased in summer 2016

Lives in Wells Library

How might we encourage creativity in the library?
Paper Circuits
Stop Motion Animation
Screenprinting
Digital Music
Tour the Maker Cart
Future Plans

More consumables

Partnerships with other library units

Dedicated library space

A campus-wide makerspace
Resources

MILL (Facebook)

Creativity Labs

UITS 3D Printing Lab

Wells Library Maker Cart

Maker Mondays Workshop Series
Thank you!

Leanne Nay
Digital Engagement Librarian

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