DePaul Makes:
Building the Maker Community at DePaul University

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DePaul University

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San Diego, California
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#cni18s | #DePaulMakes
“We value access to knowledge for all, but librarians who feel proud of creating well-equipped maker spaces with the latest in 3-D printers may not give much thought to residents in a neighboring community where the library can only afford a half-dozen aging computers.”

Fister, B. (2018, February 3). *Why we can have nice things*. Retrieved from https://barbarafister.net/libraries/why-we-can-have-nice-things/
Hub and Spokes
Our Maker Spaces

Idea Realization Lab
http://irl.depaul.edu/

Maker Hub
https://library.depaul.edu/technology/spaces/Pages/Maker-Hub.aspx
Other “Maker” Spaces
About DePaul University

Nationally Respected, Personally Focused

#1 The Nation’s Largest Catholic University

72% Freshmen Live On Campus

4,500+ Student Internships

23,110 Total Number of Students

$26 Million+ in Scholarships Each Year

Academic Year in 4 Quarters: FALL WINTER SPRING SUMMER

175,000+ Alumni in DePaul Network

518,848 Hours students dedicate to community service annually

Learn more about DePaul

http://www.depaul.edu
DePaul

RANKED AMONG THE NATION’S TOP 25
“MOST INNOVATIVE SCHOOLS”
by U.S. News & World Report, 2015

#InnovativeDePaul

https://www.depaul.edu/Pages/innovative-school-award.aspx
Innovation Through Renovation

• Phase 1 – Administrative and Instructional Spaces (2011)
• Phase 2 – Information Commons, Learning Commons, Scholar’s Lab (2013)
• Phase 3 – Digital Scholarship Center, Studio 1581, Maker Hub (2017)
• Phase 4 – Enhanced Study Rooms, Special Collections and Archives (TBA)
The Maker Hub

• “Soft opening”
  September 6, 2017
• 500 square feet (!)
• Three 3D printers
• One 3D scanner
• Sewing machine
• Hand tools (drill, wrenches, cutters, saws)
• Mini CNC router

https://library.depaul.edu/technology/spaces/Pages/Maker-Hub.aspx
The Idea Realization Lab

• Opened September 13, 2017
• 5,000 square feet
• Five 3D printers
• Laser Cutter, CNC router
• Drill press, saws, chisels, nail guns
• Sewing machine, serger, laminator
• Animation studio

http://irl.depaul.edu/
Space Lab

Space Lab (and Chicago Southland Mini Maker Faire)
http://spacelab1.com/
Design Challenges

- Siloed campus approach to IT planning, service, and support
- Lack of university-wide leadership group ensuring communication and collaboration across similar technology projects
- Lack of coordinated faculty development model around emerging technologies
- Lack of coordinated approach to training, staffing, certification, documentation
- Finding a sustainable staffing model for a popular service, including open hours
Design Opportunities

• “DePaul Makes”
• Teaching Commons
• Studio CHI
• Cross-College Collaboration Task Force
• Coleman Entrepreneurship Center
• Adjunct Faculty Resources Initiative

https://elandahl.github.io/
Maker Programs

• Open Hours
• Tours, Workshops, & Public Programs
  – Teaching in a Maker Space
  – Adjunct Faculty Networking
  – “Ethics of Making” Seminar
• Student Affairs Programs
• K-12 Programs
  – College of Education
  – DePaul College Prep
• Maker-in-Residence Program
• First-Year Instruction

“Maker-in-Residence Walk-in Hours”
The Maker Hub as “Classroom”: Teaching in a Maker Space

- Competitive Instructional Grant (Maker-in-Residence)
- Faculty Development Programs (Teaching & Learning Certificate Program; Adjunct Faculty Networking Series)
- Chicago Quarter

Teaching Commons Winter 2018 Workshop: “The Makerspace Movement at DePaul: Learning in a Creative Community”
The Maker Hub as “Classroom”: Teaching in a Maker Space

“Students will explore the Chicago Maker community by visiting maker spaces, meeting with their members, and becoming Makers themselves. By the end of this course, students will be able to evaluate the hypothesis that the Maker movement in Chicago is not just an emerging economic engine, but that it also supports the same values held by DePaul University: diversity, urban sustainability, human dignity, and social responsibility.” (“The Maker Movement in Chicago,” Chicago Quarter, Fall 2018)

https://academics.depaul.edu/liberal-studies/first-year-program/Pages/chicago-quarter.aspx
The Maker Hub as “Classroom”: Learning in a Maker Space

- DePaul focus on student learning outcomes in the curriculum and co-curriculum
- Library engagement with Office of Teaching, Learning, and Assessment, as well as Co-Curricular Learning Outcomes Task Force (Student Affairs, Writing Center, Art Museum, Mission and Ministry, etc.)
- Currently reviewing how to integrate “learning through making” and “iterative design” into existing SLO work with ACRL Framework and Primary Source Literacy Guidelines

Austin Community College
BatLab Maker Space
Student Learning Outcomes
http://researchguides.austincc.edu/c.php?g=435250&p=2965899
Public Programs

Ethics, The Maker Movement, & 3-D Printing

Join us in DePaul's brand new makerspace and idea lab for a short talk on the ethical issues surrounding 3-D printing, make-it-yourself physical spaces, entrepreneurship and more. There will also be a 3-D printing demo, a tour of the Maker Hub, and food and drink.

 laden, March 7 at 6:00pm to 8:00pm

John T. Richardson Library, 2nd Floor, Maker Hub and Idea Lab #2 2350
N. Kenmore Avenue

DePaul University
Institute for Business and Professional Ethics
https://las.depaul.edu/academics/philosophy/student-resources/Pages/Institute-for-Business-and-Professional-Ethics.aspx
Community Engagement: “Making” and Lifelong Learning

• K-12 Connections
  – College of Education
  – Lakeview High School
  – DePaul College Prep

• Libraries, Archives, and Museums
  – Chicago Public Library
  – Chicago Collections

• Chicago Maker Community
  – 1871
  – 2112
  – CineSpace Chicago

“ComEd Scholars Tour the Maker Hub”
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