LOYOLA ▪ NOTRE DAME
LIBRARY

Infusing Technology with Pedagogy:
An Academic Library's Partnership with IT and Academic Affairs

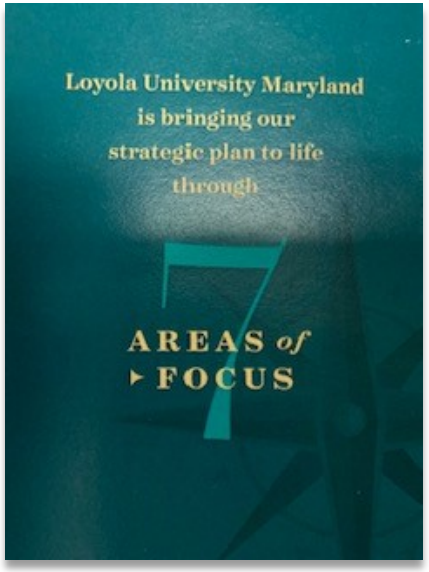
Katy O'Neill, Associate Director ▪ Matthew Treskon, Technology Librarian

CNI Fall 2020 Virtual Membership Meeting ▪ November 18, 2020

At LNDL, it takes two…

Independent academic library in Northwest Baltimore serving:

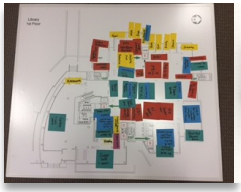
- Loyola University Maryland
- Notre Dame of Maryland University
- 5,819 FY20 Student FTE
- FY20 Acquisitions – 92% electronic
- 125,000 sf building renovated in 2008



2015 → Present

Cultivating Innovation and Entrepreneurship Emerges as a Strategic Priority on Campus

LOYOLA NOTRE DAME LIBRARY TECHNOLOGY PLAN
2015-2019



2016-19: Tech Plan

2016: Space Plan

2016: Gallery and Cyber Café Redesign

2016: Copyright Information Center

2017: Collaboratory – Active Learning Classroom

2017: Integrated Help Desk

2017: Loyola "Strategic Doing" Session on Making

2017: Pilot "Pop Up Technology Series"

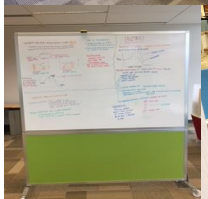
2017: Innovation Station Makerspace

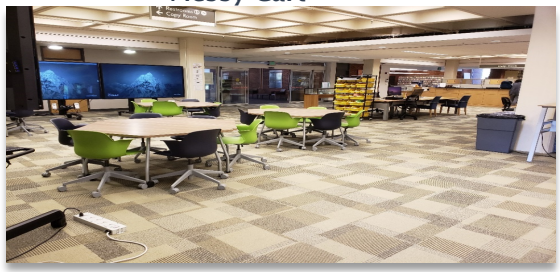
2017: Website Redesign

2018: IDEAspace with Viz Wall & Innovation Fellow Messy Cart

2019: Digital Commons

2020: AR / VR Classroom



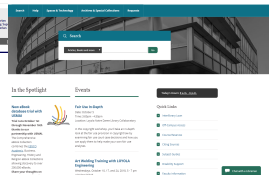


Strategic Doing Excercise	PIPELINE Network
Actions in support of enhancing Physics Innovation and Entrepreneurship (PIE) ecosystem	
	Table of Content
Section	Explanation
Preparation	Framing our vision
What Could we do together?	Connect assets to define opportunities
What Should we do together?	Define priorities among opportunities
What Should we do together?	Select an opportunity and define a successful outcome
What Will we do together?	Develop a "Pathfinder Project" with timeline and milestones
What Will we do together?	Draft an action plan
What's our 30/30?	Develop commitments to revise, learn and stay connected
Summarize	Map our strategy on one page
It is all about Linking & Leveraging Assets to Explore & Create New Opportunities	

Dear Colleagues,
At the conclusion of this session, may I ask you for your feedback on today's "Strategic Doing" session? You could access the feedback using the following link:
https://goo.gl/forms/YWKvGIMrBfZznVY23

Loyola University Makerspace

Bahram Roughani



Building Institutional Capacity at LNDL

Culture Survey 2019

2012

Director

Head of Archives & Special Collections

Associate Director

Heads of
- Customer Service
- R&I
- Acquisitions
- Cataloging
- Digital Services

Collaboration Infrastructure
- New Library Liaison Program
- Bi-monthly Manager Meeting
- Committees As Needed
- MIC Consortium

Redefined Positions
- Online Learning Librarian
- Cataloging & Metadata Librarian
- Processing Archivist (2 yr. term)
- Interlibrary Loan Assistant (added)

2016

Director

Head of Archives & Special Collections

Associate Director

Head of Research, Teaching, & Learning

Head of Collections & Technology Services

Collaboration Infrastructure
- Director Advisory Group
- Department Meetings
- Standing Committees & Task Forces
- Digital Scholarship Project Based Staffing

Redefined Positions
- Copyright & Special Projects Librarian
- Technology Librarian
- Access Services Librarian
- Research Services & Innovation Librarian
- Assessment Coord. (2yr. Term)
- Acq. & Resource Mgmt. Librarian

2018

Director

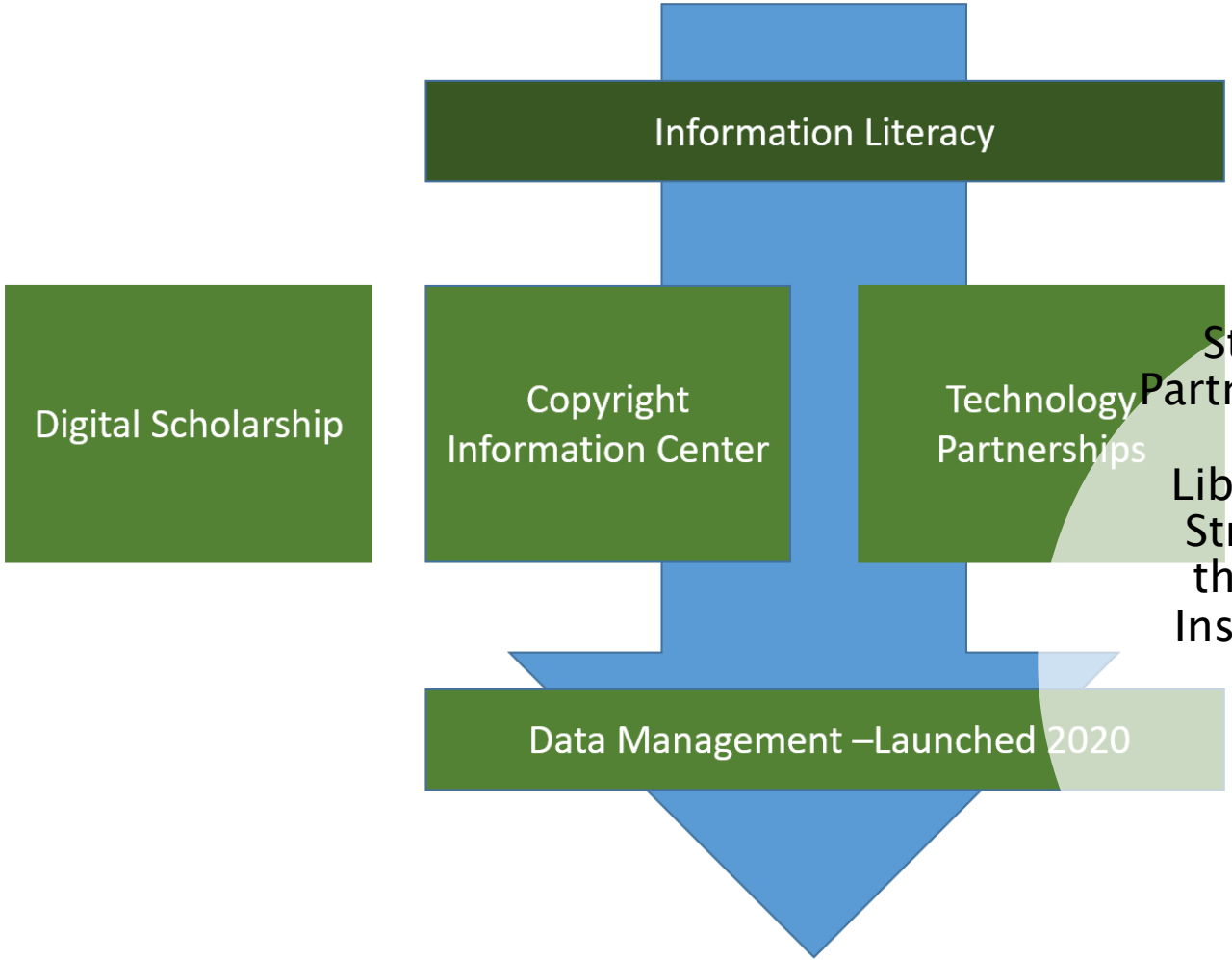
Head of Archives & Special Collections

Associate Director Research / Technology Services
- R&I
- Technology
- Copyright

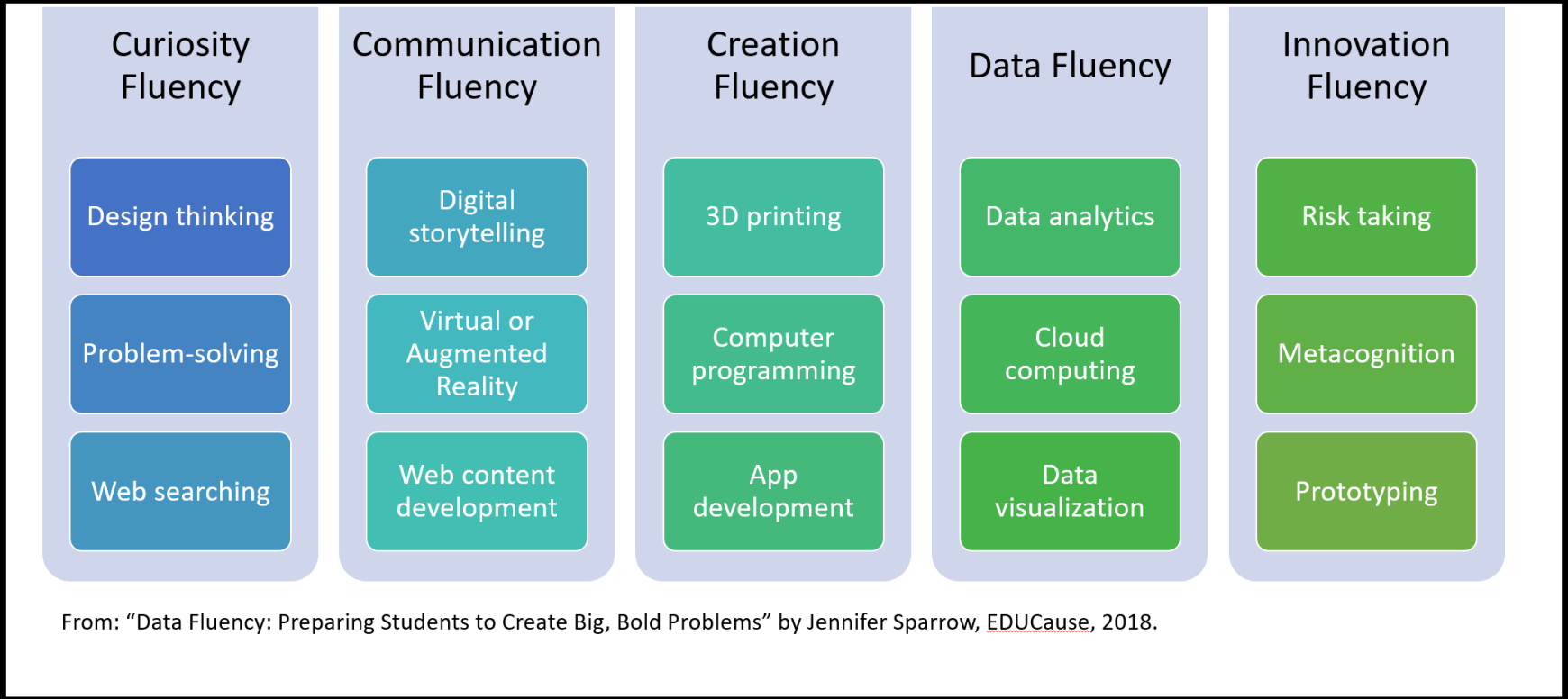
Assistant Director Collections / Access Services
- Cat & Acq
- Access Services

Collaboration Infrastructure
- Operations Group
- Unit Meetings
- Standing Committees & Task Forces
- Digital Scholarship & Accessibility Project Based Staffing
- EAST & USMAI

Redefined Positions
- Technology Resources Assistant
- Outreach & Engagement Librarian
- E Resources Librarian
- Cataloging & Acquisitions Assistant
- Access Services Operations Coordinator



Strengthen Campus Partnerships and Evolving the Library's Organization Structure Accelerated the Reframing of the Instruction Program in 2018

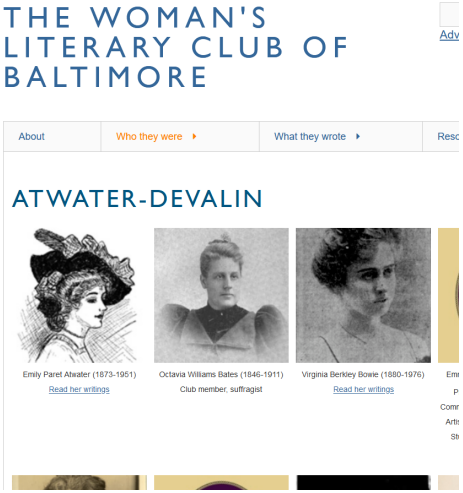


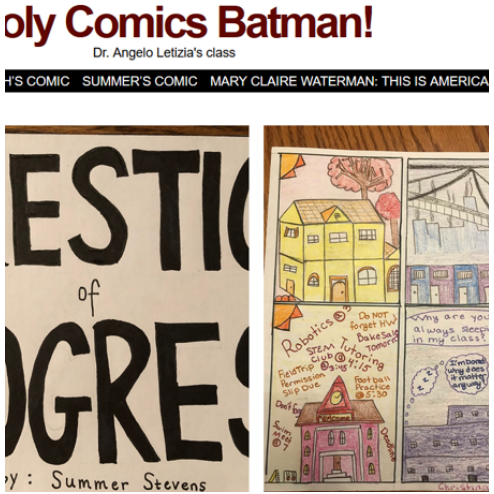
From: "Data Fluency: Preparing Students to Create Big, Bold Problems" by Jennifer Sparrow, EDUCause, 2018.

Expanding to Support Digital Fluency

Digital Scholarship

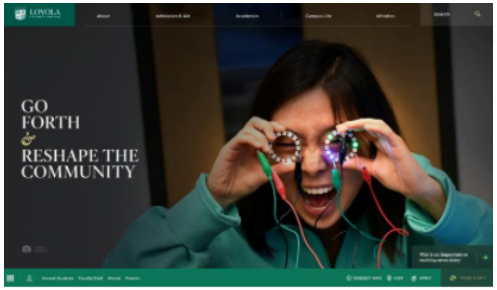
- Project life cycle assessment
- Team skills development
- Proactive outreach



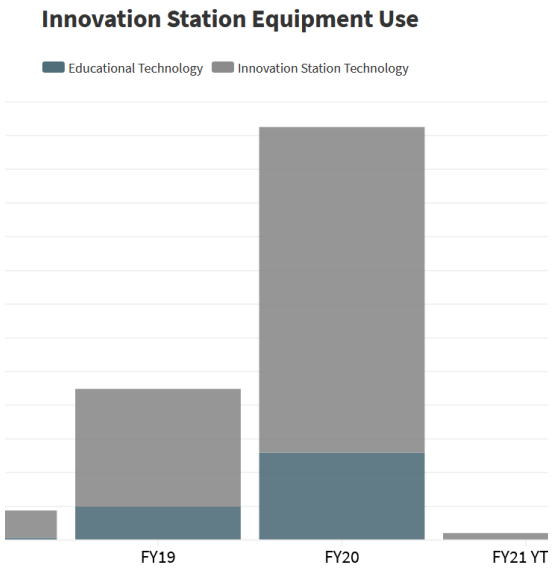


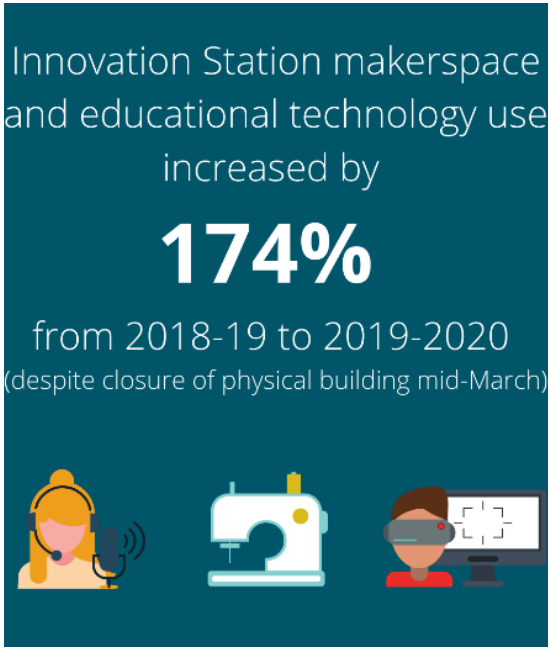
Academic Partnerships with Technology

- Hands-On-Tech Pop-Up Classes (Applied & Natural Sciences)
- Innovation Station
  - Recording Studio – launched FY18 (Communications)
  - VR/XR Classroom – launched FY20 (Nursing, History, and more)
  - IDEASpace FY18 /Laser Cutter FY20 (Center for Innovation and Entrepreneurship)
  - English Language Institute
  - First year experience (Messina, and NDM 1st year)
  - Athletics/Advancement
  - **ALANA** (African, Latinx, Asian and Native American) Services



Innovation Station Use





- Rapid Expansion FY18-FY20
- Covid-19
  - Virtual makerspace
  - Library chat / video chat
  - Video tours
  - Video training

EdTech
Focus On Higher Education

TOPICS STATES TIPS & TACTICS VOICES FEATURES VIDEO UNIVERSITY MORE +

MAY 14 2020

HARDWARE

In the Fight Against COVID-19, Some Tools Are 3D-Printed

Many in higher education are putting their 3D printers to work in the fight against the pandemic.

by Adam Stone

Adam Stone writes on technology trends from Annapolis, Md., with a focus on government IT, military and first-responder technologies.

LISTEN 05:57

Lates

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Rosenberg Martin Greenberg
rosenbergmartin.com

3D Printers at Loyola Create Face Shields for Local Health Care Professionals

4/9/20

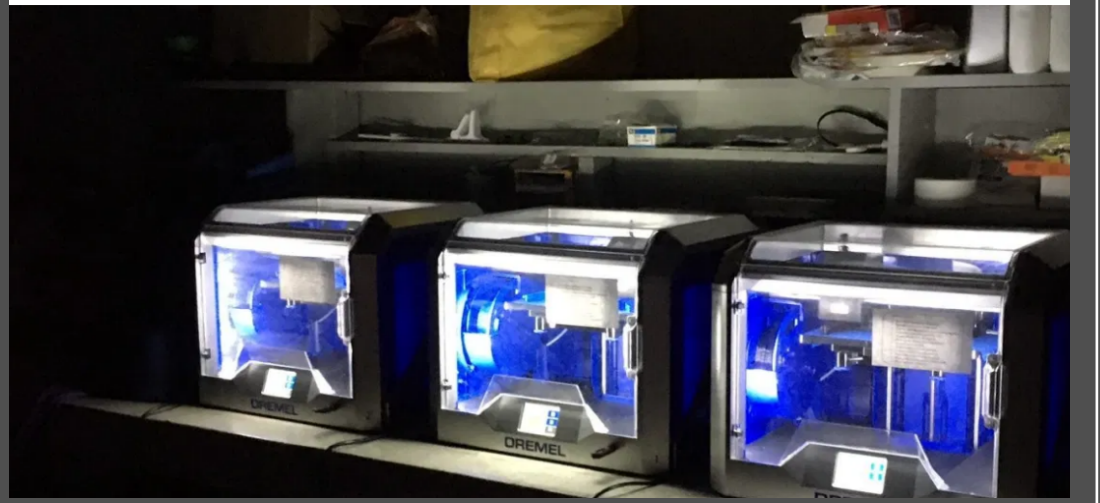
Faculty and staff members at Loyola University Maryland are using 3D printers and laser cutters to create face shields for hospitals in the Baltimore area. The initiative was launched by Open Works, a makerspace in

THE GREYHOUND

WS SPORTS ARTS & SOCIETY OPINIONS ABOUT US SUBSCRIBE MEET THE ED

LOYOLA COMMUNITY WORKS TO CREATE RESOURCES DURING PANDEMIC

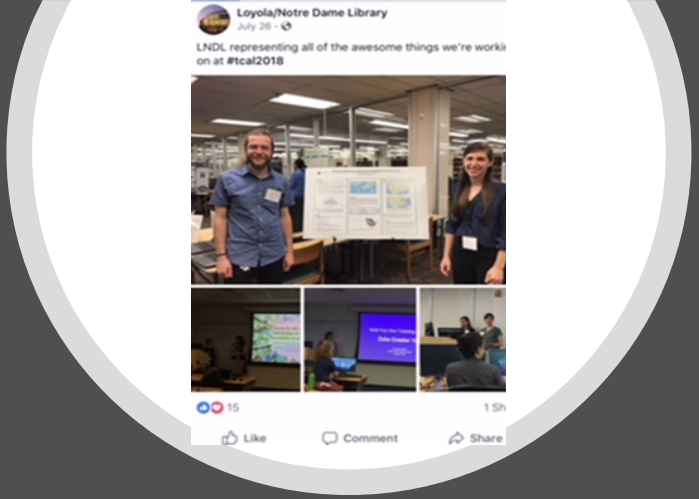
Posted by Kaitlin Quigley | Apr 15, 2020 | Featured, Highlight, Loyola, News | 0 |



Supporting Student Success Through Creative Partnerships

- Student Clubs
  - Robotics
  - Society of Women Engineers
- Computer/Data Science Capstones
  - Internet of Things
  - Artificial Intelligence

Treskon, M. (2020). Providing an Environment for Authentic Learning Experiences. In *Emerging Trends and Impacts of the Internet of Things in Libraries* (pp. 71–86). IGI Global.



And none of this happens without a creative staff and a culture of assessment

PEDAGOGICAL ASSESSMENT FRAMEWORK

LOYOLA NOTRE DAME LIBRARY : LOYOLA PILOT

AACU VALUE RUBRIC

DETERMINE INFORMATION NEED → ACCESS INFORMATION → EVALUATE INFORMATION → USE INFORMATION EFFECTIVELY → ACCESS ETHICALLY

LEARNING OUTCOMES

DETERMINE INFORMATION NEED		ACCESS INFORMATION	EVALUATE INFORMATION		USE INFORMATION EFFECTIVELY			ACCESS ETHICALLY	
Select a source that best meets an information need based on the audience, context, and purpose of various formats	Apply research methods that are appropriate for the need, context, and type of inquiry	Select search tool(s) that are appropriate to the information need	Evaluate an initial result set in order to hone the search strategy	Identify markers of authority recognized by disciplines, professions, and other communities of knowledge and practice	Articulate the capabilities and constraints of various processes of information creation	Identify technology creation as a process that builds upon previous technologies	Use a wide range of tools and techniques to develop, implement and communicate new ideas	Identify necessary parts to give credit to the original ideas of others through formal conventions	Recognize that intellectual property is a socially constructed legal concept according to different communities

LUM DEPARTMENTS

	BUSINESS	COMMUNICATION	COMPUTER SCIENCE	EDUCATION	ENGINEERING	FAIR USE IN DEPTH	FINE ARTS	HISTORY	MESSINA	POP UPS	SOCIOLOGY	SPEECH-LANGUAGE-HEARING SCIENCES	WRITING
INSTRUCTION	1	3	3	1	3	1	1	2	3	1	1	1	1
Archives								●					
Copyright		●	●		●	●	●		●				
Information Fluency	●	●	●	●	●			●	●		●	●	●
Digital Fluency		●	●		●				●	●			

Library Roadshows for Faculty

Explore librarian - faculty partnerships

Consult in copyright

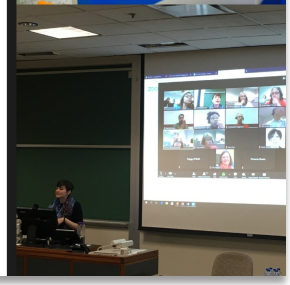
Experience active learning technology and spaces

Interact with class project examples

OCTOBER 17 4:00 -4:45 P.M.
OCTOBER 23 4:00 - 4:45 P.M.
NOVEMBER 1 9:30 - 10:15 A.M.

IN THE LIBRARY COLLABORATORY

DROP-INS WELCOME OR RSVP AT:
TINYURL.COM/LNDLROADSHOW



It's about continuous outreach and engagement…

Questions ?

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LOYOLA ▪ NOTRE DAME LIBRARY

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