

Making a New Type of Librarian

DLF Forum

Atlanta, Georgia

Tara Radniecki

tradniecki@unr.edu

Engineering Librarian : DeLaMare Science & Engineering Library

University of Nevada, Reno

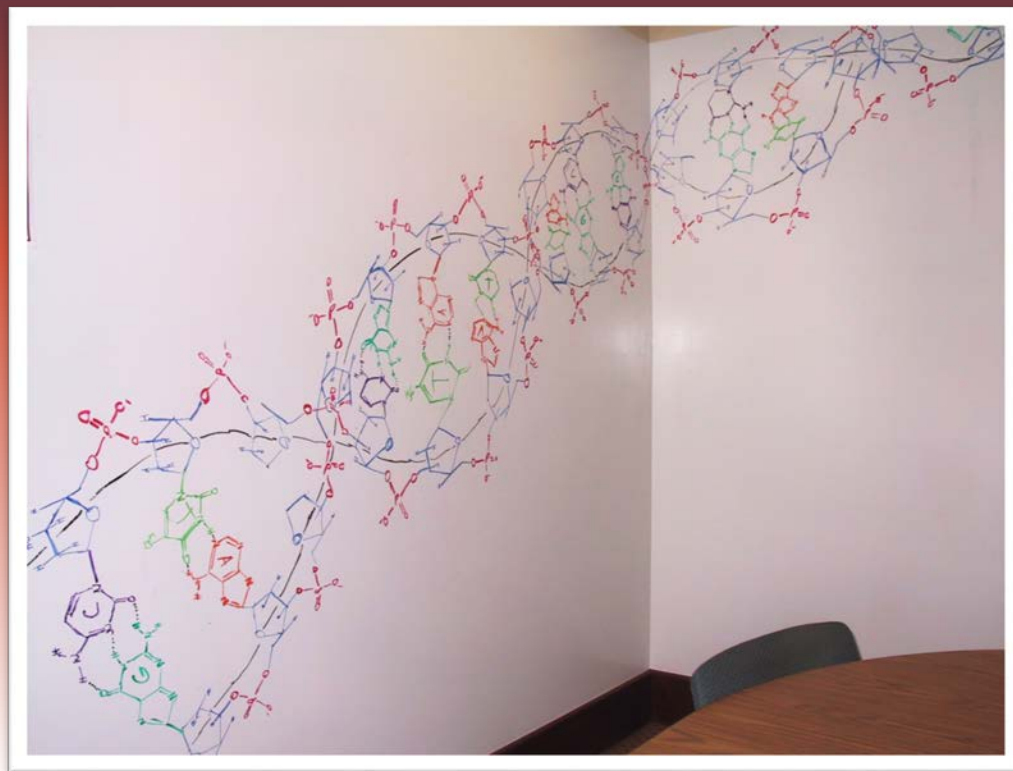


Background

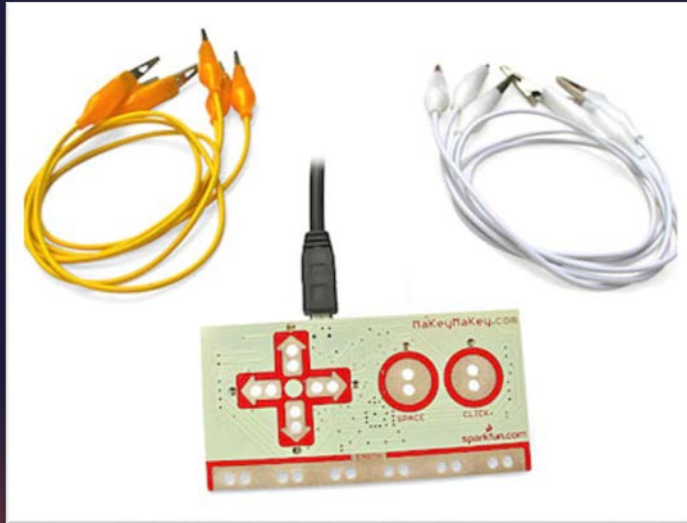
- DeLaMare Science & Engineering Library
- 18,000 at University of Nevada, Reno
- 6,000 served by DeLaMare (4 librarians, 2 staff members, 18 student workers)
- 22,500 square feet
- 150-300 people in the library at any given time
- 1 of 3 campus libraries
 - Large, new Knowledge Center
 - Small medical school library



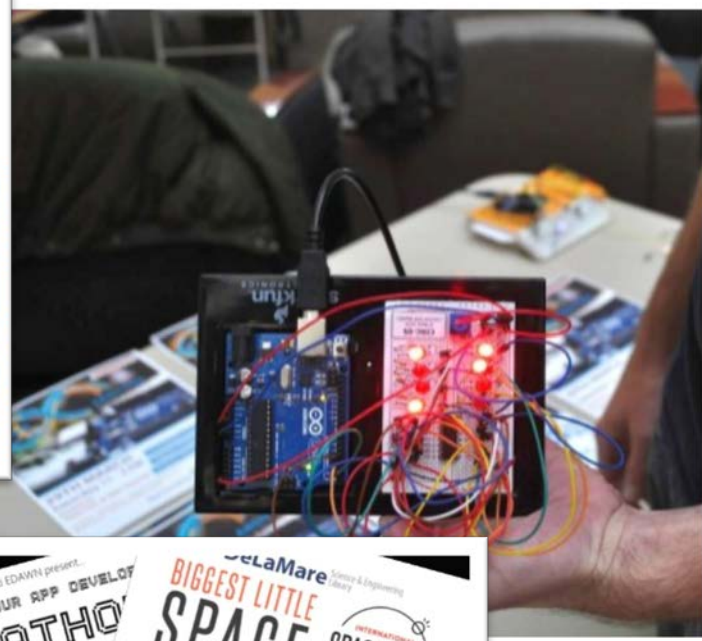
DeLaMare Library







DeLaMare Library



PC-Doctor, Inc. and EDWIN present.

ANNUAL 24-HOUR APP DEVELOPMENT HACKATHON

hosted by Microsoft

12 p.m. April 12 until 12 p.m. April 13
University of Nevada, Reno Dietrich School of Engineering

Take advantage of the Microsoft ecosystem to create apps that deliver unique consumer experiences.

Cash Prizes | Tons of Food | Free Swag

Pre-event social April 9 at 5:30pm at the University of Nevada, Reno

Register or stay updated at www.spaceappsreno.org

BIGGEST LITTLE SPACE APPS CHALLENGE

RENO NEVADA USA

NASA INTERNATIONAL SPACE APPS CHALLENGE

April 9 - Kickoff @ 5:30pm at Reno Collective

April 12-13 - Hacking for Space at DeLaMare Library

www.spaceappsreno.org

pebble LEAP pinoccio

But WHY
in an academic library?

Our Missions

Innovation - *We embrace creativity and flexibility to drive the cutting edge of knowledge and technology.*

creative learning spaces,

Foster a transformative environment

- **Innovation:** We seek to provide leadership in innovative services, technology, and facilities for the benefit of our users.

provide and teach access to resources that are relevant to our campus programs

History of Supporting Making & Innovation

Creative Projects
via software

Papers

Posters

Knowledge

Experiments

Connections

Collaborations

Literacies beyond Information

- Digital / Media literacy
- Computational literacy
- Tactile literacy

New Breed of Students

We don't want to graduate students just capable of getting a job.

We want to develop students who become *innovative and passionate leaders.*

New Type of Librarian

Less of an instructor or information guide,

More of a coach, mentor, co-captain

New Skills

- Mentoring
- Connector
- Being “on” all the time – beyond the 9-5
- Learn to be energized by chaos
- Being an active participant
- Making friends with IT
- Get comfortable with tech
 - “Tod, I think I broke the laser cutter.”
 - “Oh splendid! Now you’ll learn how to fix it!”

A Change in Priorities

How can I make the biggest impact today
on my students?

Get out of your offices



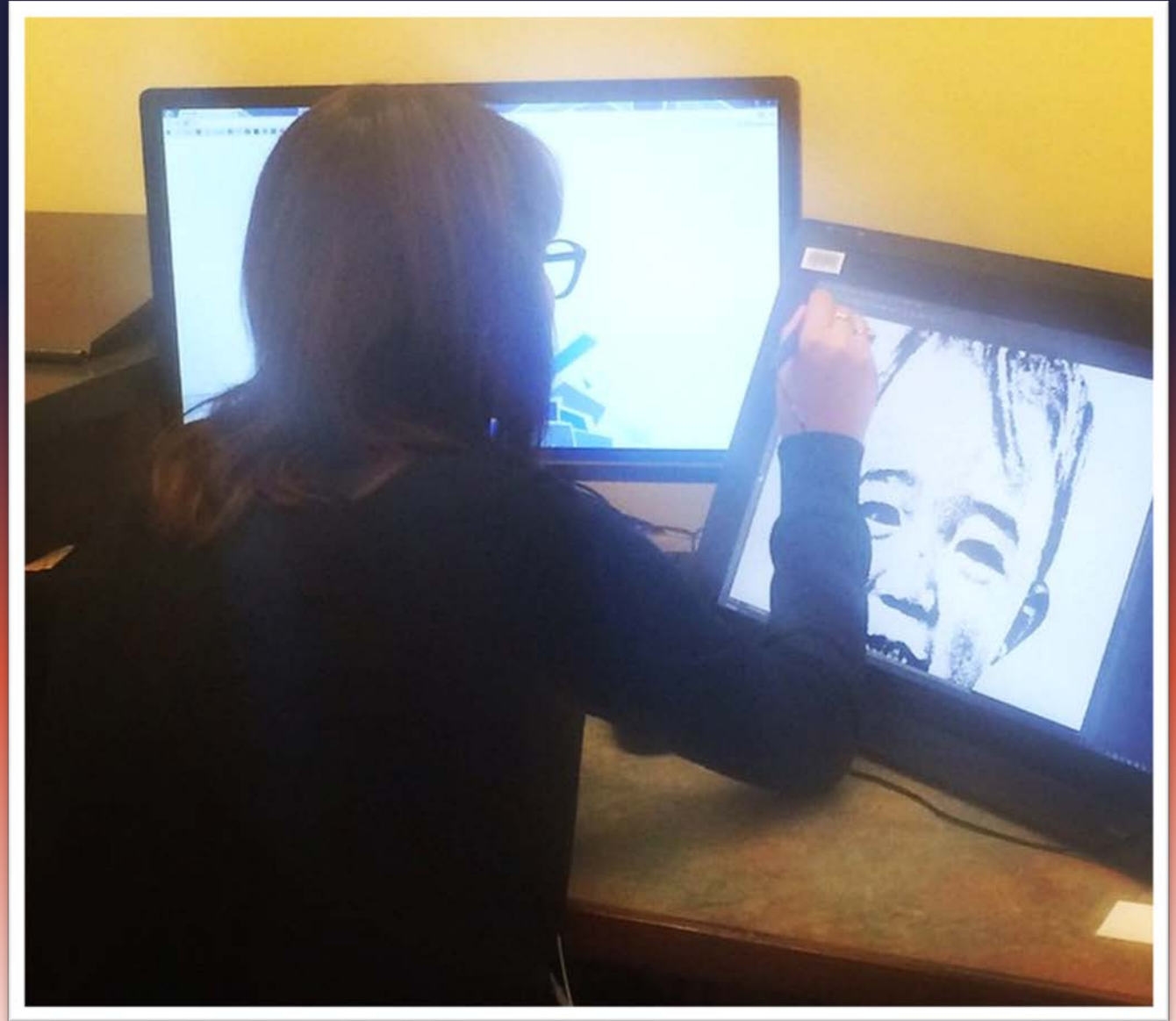
I never teach my pupils. I only attempt to provide the conditions in which they can learn.

- Albert Einstein

Focus less on learning “spaces” and more on learning conditions

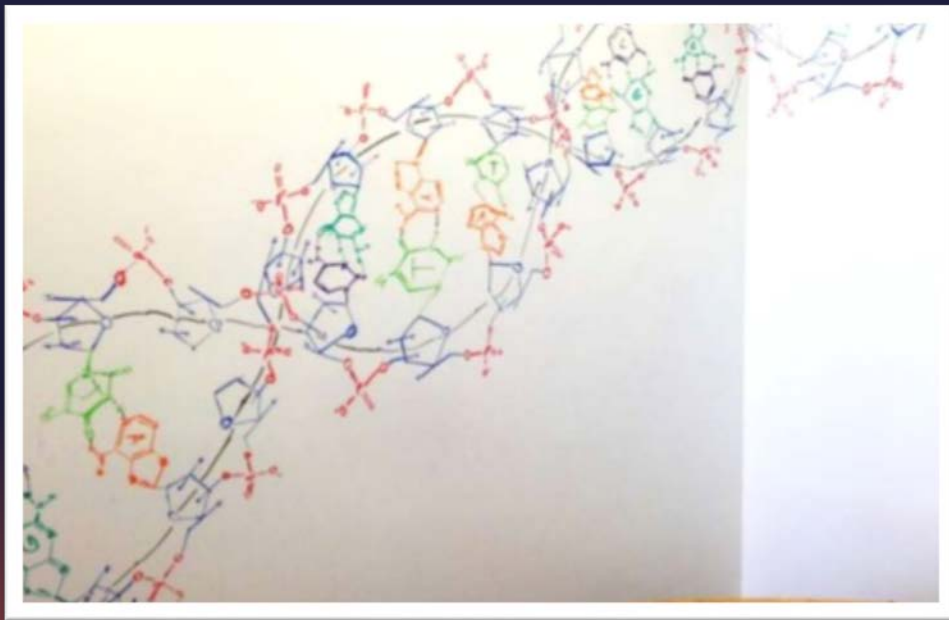


Get their input.





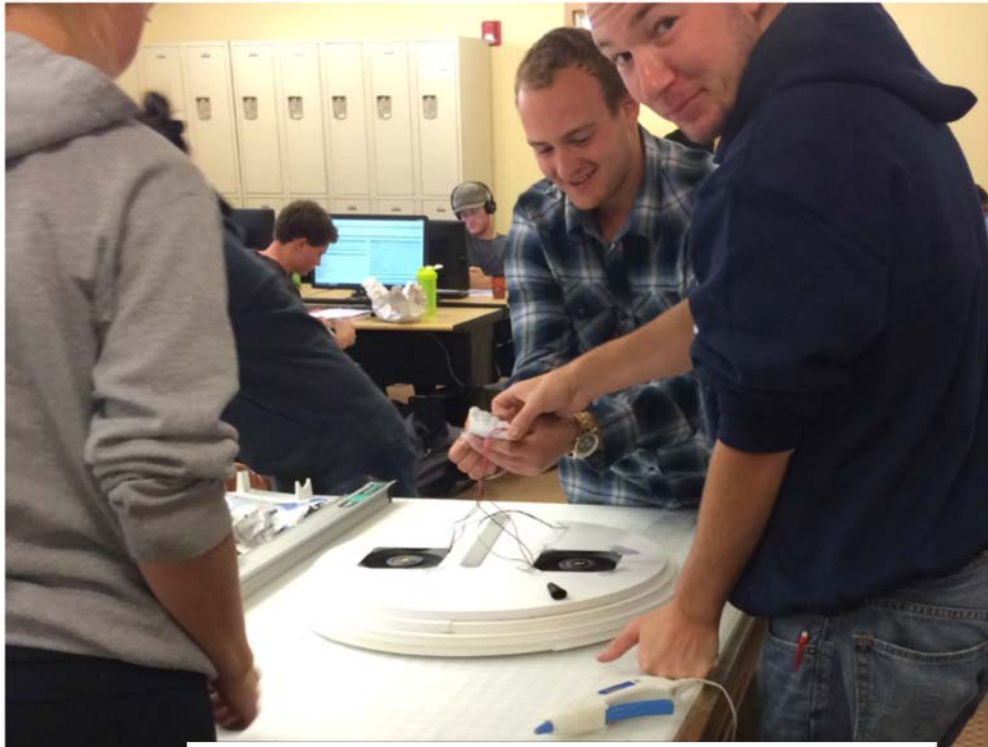
Conditions beat curriculum every time.



Conditions for

- Learning
- Discovery
- Innovation
- Collaboration
- Creativity





Humans vs Zombies!



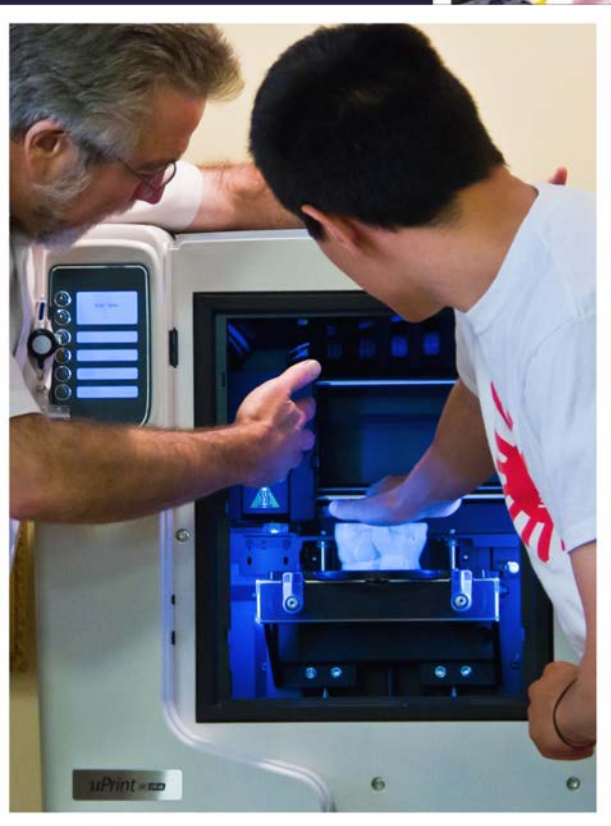
Nine tenths of education is encouragement.

- Anatole France





Be genuine.



Be interested.



...It's Working!

Expert 3D modeling skills

Multiple students working on patent applications

Apps created in hackathons

Prototypes & businesses

Creative thinking & collaboration skills

Tactile & computations knowledge

Make Collaborations

(this doesn't all have to come out of your budget!)

- Psychology Dept - Artec handheld 3D scanners
- 31 faculty across campus – Proposal for a makerspace in DeLaMare
- Engineering Dept & VPRI – additional 3D printer & laser cutter
- VPRI – PCB milling machine

Bring the faculty back to the library!



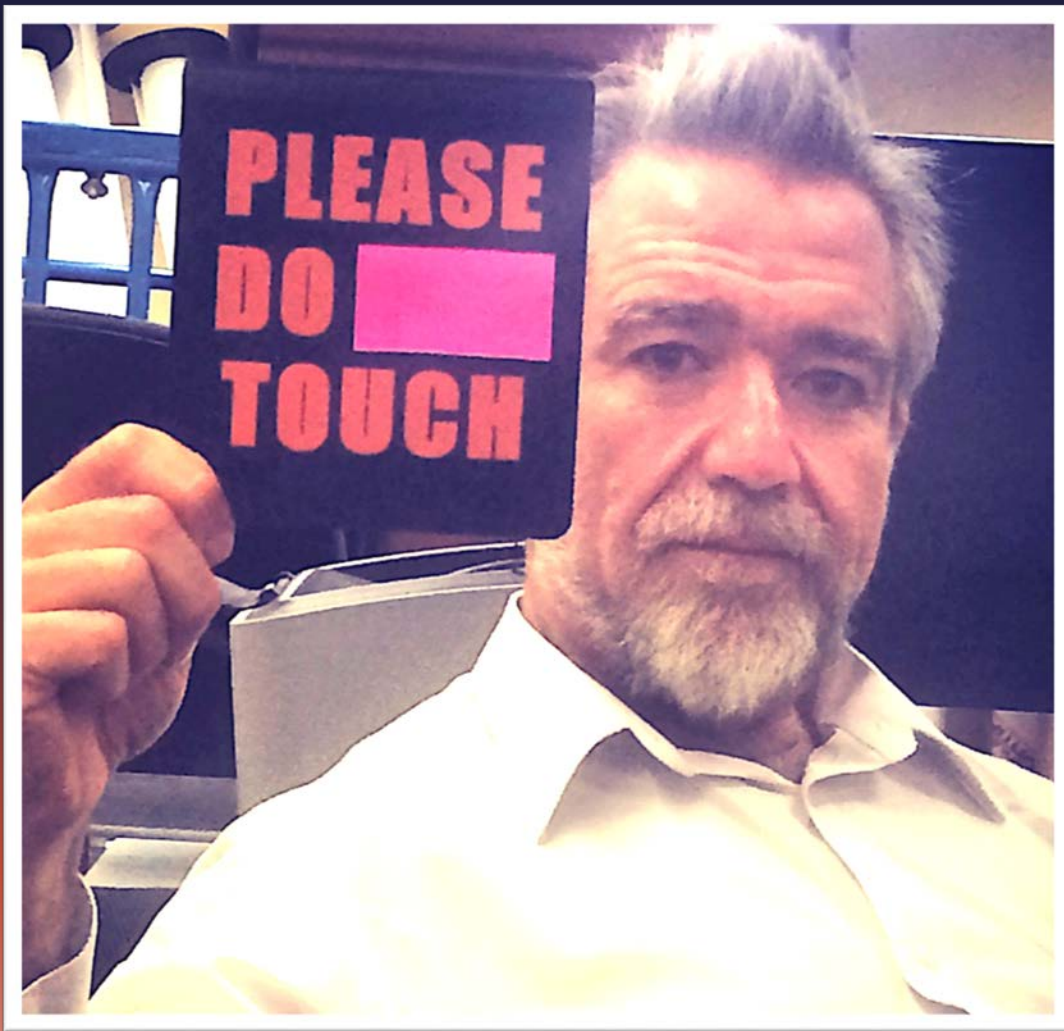
“... so it will change how we teach chemistry and how we look at molecules on a daily basis. It's also just plain fun.”



Photo of King by Jason Hillago from Engadget

Beyond the University

- EDAWN
- Generator
- Bridgewire
- Local School Districts
- The Collective.....and more



Questions?

Tara Radniecki
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