

Theme 04: **TECHNOLOGY**

Technology for Teaching, Learning and Research



TECHNOLOGY + TOOLS

Choose a technology that you use today:
 • what did it look like 2 generations ago?
 • what will it look like in 3 generations?

tech will change ~12 times during the construction process of a building
 - so Guiding Principles are key in guiding the process since it is so difficult to forecast specifically

- concerns over installing tech directly due to obsolescence

- Kit of Parts can be added to a space
 - movable, adaptable
 - spaces that are highly adaptable vs others that are highly specialized

- functions combine overlap converge

dis

1) What tools have you used in the library? (examples)

- wireless network
- PC on Mac (server & computer)
- printing - media production
- scanners
- software available (various among locations on campus)
- web shared via servers (group or server)
- mobile devices

Expectation: up-to-date, functional, sound
 - avoid need experience as in other libraries
 - City should have all tools I need to do my work
 - collection tools must extend beyond library
 - tools that aren't primarily "library"
 - functions should be in the building/complex
 - niches needed or ability/innovated for referral to use other technologies.

2) Who do you seek? for help

- Google
- Friends
- Professors/TA's
- ITS/ITS Support
- Librarian Navigator
- Librarian - environment for a class
- Librarian - drop in, as needed, peer training

How do you get help in the library?
 - I can't get help in the library
 - feel left out
 - How do you learn? - practice
 - on other help/tech

3) Library as hub for different services

- Having services in library makes it easier (subject control)
- visible than other locations
- not having desks
- Technology that interacts with library resources (even scanning)
- Teaching technology as organizing understanding research
- Bring in technology specialists (ITS, Spatial Analyst) to support
 - could have as "support" to support inter-disciplinary
- Using students as peer & instructors of tech

3) not, we would not...
 - students may not have had

(Discussion Questions - 18)

④ The library makes a resource Subject Neutral - not owned by anyone.

- teaching tech is also teaching the process of researching
- need specialist staff or students as peer instructors to help users
 - it would be good for faculty to learn from students - we are all learners
- finding the tech that is appropriate for what you are trying to express

⑤ When you need help with technology, who do you ask?

- Google, friends, profs, PAs, librarians *Advantages for context or needed*
- light touch conversations are important when introducing someone to use a tool that they may think they are already familiar with
- personal relationships often open the door to asking for help
- Disconnect between the networks of help units across campus

across campus

⑥ Would you come to the library or workshops related to tech if not required for class?

- even if well attended, students may not make time if not integrated into curriculum
- can give assignments that necessitate learning to use tech (we don't give instructions so students have to be proactive)

⑦ Who is using most cutting edge technology?

- depends on discipline
- depends on tool (faculty use OER)
- students comfortable with social media
- some faculty have cutting edge software but some have difficulty implementing it

SHOWCASE - using stuff you don't bring - tech tools

- need an "one cool project" - promote projects and have other tech to support it

⑧ Useful Learning technologies?

- laptops - projection - flat screens
- books - presentation software
- Database overload - try to give students a human resource
- people bring things when it isn't useful, but don't show the same leniency for library search tech
 - struggle to show people as they can do with library resources
- could users walking through the library also contribute to power grid? - inviting people to be CO-COLLABORATORS, promoting OUT OF THE BOX THINKING
- we don't adequately SHARE OUR SCHOLARSHIP - could have specialist displays over running disciplines' work

What we heard about Technology

How does the library prepare for/adapt to changes in technology?

- Strong and adaptable infrastructure
- **People** to support the technology in place
- Provide resources that are both **visible and interdisciplinary**
- Some technology infused spaces will be highly adaptable/evolving but some will need to be specialized – **do those belong in the library?**
- Teaching technology is also teaching the **process of researching**
- The library makes a resource “**subject neutral**”

What we heard about Technology

What digital tools should be in the library? What should be on hand?

- Library as **Host** vs. Library as **Navigator**
- Collaboration tools must extend beyond the library
- **User expectations:** tech should be up-to-date and speedy + the Library should have “**everything I need**” to do my work **or be able to refer** to the best location on campus
- Technology and resources tie directly to Library services, and Library instruction
- There should be a way to **showcase** “stuff you don’t know about” & ways for students and faculty to say “look at my cool projects”
- There is benefit to thinking of the technology in the library as a “**kit of parts**” that can evolve

What we heard about Technology

QUESTIONS RAISED:

- Does highly specialized technology/equipment belong in the library?
- Could specialty technology which “lives” elsewhere on campus hold a “satellite clinic” in the library?
- How many generations back of technology should be on hand?

DRAFT // Technology Lexicon

Basic

Infrastructure to support electronic technology including Wi-Fi, electricity, (network ports, phone jacks).

No additional electronic technology, but the **capacity** for medium and high technology.

Medium

Visual display for group viewing and the ability to display from any device, including wireless connection.

Display could be interactive. **Audio is individualized** through use of headphones or connected speakers.

High

Spaces have **tools to maximize communication and collaboration** within the room and with external people and places.

Tools and technology, including audio, **are incorporated into the structure** of the room.

Technology infrastructure is flexible to **accommodate future technologies**.

Multiple displays, possibly interactive; video conferencing; ability to connect and display multiple computing devices, possibly simultaneously and possibly from remote locations.

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