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 2 generations?

- Tech will change ~12 times during the construction process of a building
- So building principles are key in guiding our 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 is often that are highly specialized.
- Functions combine, overlap, converge.

What tools have you used in the ETS?

- Wireless network
- RCF, Mer (PCs & computing)
- Printer - media production
- Scanners, available (various scanners now)
- Lighting available (above and below)
- Aesthetics/stealth

Specifications:
- VU offices, branching spaces,
- Large shared spaces
- Small shared spaces
- Large shared spaces should be thought of as collaboration tools
- Furniture should be A.I. able;
- Furniture should have all tools I need to do my P.O.
- Library should be all tools I need to do my P.O.
- Collaborative tools must extend beyond ESP.
- Tools that vary from library to library
- Furniture should be A.I. able;
- Furniture should have all tools I need to do my P.O.

2) How do you get help?
   - Google - Friends - Professors/TA's
   - ETS/ETS Lab/ETS Support - ETS Librarian Navigator
   - Librarian - contacted @ 98866

- Library as hub for different services
- Having service in library makes accessible to students
- Visible from other locations
- Not having jobs
- Technology that integrates with library resources
- Teaching technology as organizing understanding research
- Bring in technology specialists
- Teaching helping students to understand technology
- Using students as peer assistants of tech

- How do you learn?
- Students will work but tend to last but first.
1. The Library means a resource. Subject Sections
   - subject
   - not owned by anyone
   - checked for use. Item becomes the property of 
   - reference specialist staff or student, not
   - you request. It helps users.
   - it would be good for faculty to learn from
   - students. We are all learners.
   - finding the tools that it appropriate for what you are trying to express.

2. When you need help with technology, who do you ask?
   - Google, friends, peers, RA, librarians, IT contact.
   - light touch, consultation are important.

3. What is student learning or student engagement?
   - learning on someone to do it than one
   - some faculty have difficulty understanding. Not
   - showcase. Using ideas you don't know.
   - how to do.
   - good practices.

4. Would you come to the library or workshops related to tech if not required for class?
   - even if, well-motivated, students may not make
   - time. If it integrated into curriculum.
   - can give assignments that necessitate learning
   - in tech (but don't give instructions on students
   - how to perform.)

5. What is using most cutting edge tech?
   - depends on instructor.
   - online using tools (e.g., use EChess)
   - students comfortable with social media.
   - some faculty start thinking about technology.
   - showcase using ideas you don't know.
   - how to do.

6. Useful Learning Technologies?
   - laptops
   - presentation software
   - databases
   - collaboration
   - people begin google when it isn't useful, but don't
   - know the value. Learning tech.
   - smarts to share people, ask they can do
   - web learning resources.
   - out of the box thinking.
   - we don't adequately share our intellectual 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?
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.

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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.

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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.*
Provide Feedback Here:

http://www.smith.edu/libraryproject/feedback.php