Informal Group on Learning Spaces
March 8, 2012
Notes by Leslie Hammersmith

Discussion Topic: "The Classroom of the Future"

Jamie Nelson prepared a demo of AppleTV and controlling the classroom wirelessly.
-Using the iPad 2 (and newer), iPhone 4s, to mirror what we are doing on that device to the AppleTV device and display on projector.
-Can use all the apps on the device; some issues with putting device on the network, must use specific VLAN (uistream), etc, each projector would need to have AppleTv connected to it ($99).
-On regular computers, some instructors are using Lync to invite desktop sharing with the resident computer and controlling the resident computer (attached to the projector) through desktop sharing.

Library is interested in exploring having AppleTv capabilities in Undergrad. Need to have a meeting with Networking & Library to work out policies and setting up VLAN.

Questions about how the passwords to the uistream would be managed (to prevent students from jumping on and controlling the projector).

Chemistry has been looking at whether you can feasibly use the iPad for the lecture. This AppleTv solution has been one of the missing links for them.

What about competing OSs? For example, how do you accommodate Android OS since very unlikely Apple would allow Androids to connect to AppleTv.

Discussing how to use Lync in the classroom – emailing students a link to the desktop sharing so they can share their screen. Many people interested in how Lync could work with showing student work, etc.

Combining these technologies with Citrix (being piloted in Engineering) has some interesting potential – running software that isn't even running on the local machines.

The time is right for some pilots, but not ready yet to say that this is a direction that we should start building towards.

Initial cost to do a trial like this? AppleTv is $99, need a wired network computer near the appletv.

Kristin (office of the registrar)Foellinger as a test spot – since both classes and events. Could then pilot both types of users. (Where would the iPad be? How do you

manage iPad – people would have to bring their own.) *Kristin can talk with Phil to discuss doing this pilot.

Would it be good to have 2 different systems in some areas and see how instructors use it? Would need to maybe have 2 projectors, or add additional switching in the rooms to enable dual modes.

Are there interactive apps that would allow you to do something with the projector? Doceri, and buy network control piece so the app can turn projector on.

Can also use this with monitors instead of projectors. The AppleTv can plug directly into HDMI ready monitors and then can be connected to Apple device.

The fact that this can only use with Apple devices is a serious limitation that we have to keep in mind.

Some discussion of iBooks – the etext capabilities in the new Apple solution – using video, slideshow, etc.

Showed another example of etext on iPad (Kno). Morgan connected her iPad to the uistream network to show the example. A commercial vendor that takes publisher content and ingests them and adds interactive capabilities. This tool lets you markup the pages (drawing, adding photos, external content, voice recording), create flashcards, take notes, self-quizzes. Once you markup your version, you can share your version.

Looking ahead, it doesn't seem like it would be too hard to have an Apple system and an Android system both in the podium and allowing instructors to choose. It's feasible to support, but have more expense. May have to buy new switching devices in legacy rooms to support HDMI.

We need a donation from Apple to get the equipment and infrastructure! (But they don't do that!)

The major work would be to configure the network and infrastructure. In places where the infrastructure already exists, then networking needs to be set up.

Decision: We need beta-testing now.
Places: Foellinger Auditorium, Undergraduate Library, 100 Noyes

Concerns about scheduling since smaller computers don't have resident computers to enable this at all.
Digital inputs (HDMI), network jack at the projector, proper power supply. Tracy Whittaker has a note to check whether DKH projectors have a network jack nearby.

Craig Flowers, Vet Med discussed the new collaboration spaces in Vet Med building. Adding medium sized teaching space (up to 70 people), some collaboration and study spaces for students in the footprint of the old library. (Library going down quarter of original size.) Construction targeted for summer 2013.

Discussed some presentations at the ELI Annual Meeting (North Central Community College) space with Herman Miller partnership.

Designers have been asked to create "Digital free zones" in Student Unions, these areas are being requested by the students.

Morgan showing some data of what students want in computer labs. Quiet places for working are very important. Electrical power, printing, and quiet places are of the top 3 importance. Morgan will share the data (170) respondents so