Changing space
Changing practice
Changing culture

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What makes your heart sing? Why?
Technology is any modification of the natural world made to fulfill human needs or desires. Although people tend to focus on the most recent technological inventions, technology also includes a myriad of other devices and systems that profoundly affect everyone in a modern society.

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Tech Tally: Approaches to Assessing Technological Literacy
(National Academies Press, 2006)
Architecture
Architecture  Learning Sciences

affordance
affordance


apprenticeship of observation


Design Principle #1:

Learning spaces should have a migrating focal point.

Learning spaces should have a migrating focal point.

power

Learning spaces should have a migrating focal point.

power

engagement

**hack (hak) - verb**

- to cut, notch, slice, chop or sever something with heavy irregular blows
- to circumvent security and break into
- to modify or repurpose in a skillful or clever way

**Design Principles**

Learning spaces should:

#1: Have a migrating focal point.

**Hack your space!**
Hack your space!

- Shift the attention.
- Promote multiple voices and sharing of ideas
- Utilize active/collaborative learning

Hack your space!

- Shift the attention.
- Promote multiple voices and sharing of ideas
- Utilize active/collaborative learning
- Be transparent!
Design Principle #2: Learning spaces should scaffold authentic practice.

Learning spaces should scaffold authentic practice.

activity

practice
Design Principles

Learning spaces should:
#1: Have a migrating focal point.

#2: Scaffold authentic practice.

Hack your space!

• Set up problem based learning activities
Hack your space!

• Set up problem based learning activities
• Break it down.

Hack your space!

• Set up problem based learning activities
• Break it down.
• Balance designed and emergent (Wenger, 1998)

Design Principle #3:

Learning spaces should provide for multiple representations.

Learning spaces should provide for multiple representations.
Learning spaces should provide for multiple representations.

process

products
Design Principles

Learning spaces should:
#1: Have a migrating focal point.
#2: Scaffold authentic practice.
#3: Support multiple representations.

Hack your space!
Hack your space!

- Create residue
- Consider BYOD
- Promote student choice
- Recognize the connection between participation and reification (Wenger, 1998)
Design Principle #4:

Learning spaces should be task responsive.

“We have to be careful not to focus simply on what the technology offers, but rather on what the pedagogy requires.”

Diana Laurillard in Technology, Pedagogy, and Education (2007)
Hack your space!

- Avoid the urge. Use the space. Don’t let the space use you.
- Consider pedagogy first!
- Communicate with your students.
Design Principles

Learning spaces should:

#1: Have a migrating focal point.

#2: Scaffold authentic practice.
Design Principles

Learning spaces should:
#1: Have a migrating focal point.
#2: Scaffold authentic practice.
#3: Support multiple representations.
#4: Be task responsive.
So, how do we begin?

Start with one!

Stay in touch.

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