



### S3: What are my options?

Rachel Ellaway

### What are my options?

- There are lots technologies that can be used to support HPE
- Overview of modalities
- How do we choose which of these technologies to use?

### The repertoire

- Places – websites, LMS/VLE
- Content – blogs, wikis,
- Presentations – video and audio - podcasts, YouTube
- Repositories – portfolios, encounter logs, CMS
- Agoras – web-conf, video-conf, social media
- Assessment – AMS, quizzes
- Simulations – VPs, virtual worlds, haptics
- Planning – curriculum mapping
- Tracking - analytics

### Learning management systems

- Integrated systems to support courses and training programs
- Almost every HE institution has one (or more)
- Commercial: Blackboard, Moodle, Desire2Learn etc
- Purpose built: EEMeC and may others ...
- Content, calendar, curriculum, assignments, discussion etc
- Usually modular
- Alignment to integrated longitudinal and thematic med-ed programs can be problematic

## Video and web conferencing

- 'traditional video conferencing' – room to room VC
  - Fixed hardware
  - Often used in distributed medical education for collaboration and presentation
- Web conferencing – device to device (usually individuals rather than rooms)
  - Software platforms – WebEx, Connect etc
  - Multiple 'tool' panes
- Requires a certain etiquette – presence, trust

## Recordings

Content-based lectures, discussions, presentations:

- Podcasts
- Vodcasts
- Lecture capture
- YouTube and iTunes
- Khan Academy and Open Courseware
- Multimedia teaching packages

## Simulators

- Physical simulators
  - Part task
  - Whole body
  - Technique-based
  - increasingly digital
- Onscreen simulators
  - Virtual patients
  - Virtual worlds
  - Virtual experiments
  - Virtual mannequins

## Non-educational technologies

Generic:

- Devices – laptops, tablets, smartphones, hybrids
- Productivity – Word, PPT, Excel etc
- Communication - email, SMS
- Networks, authentication, ERPs

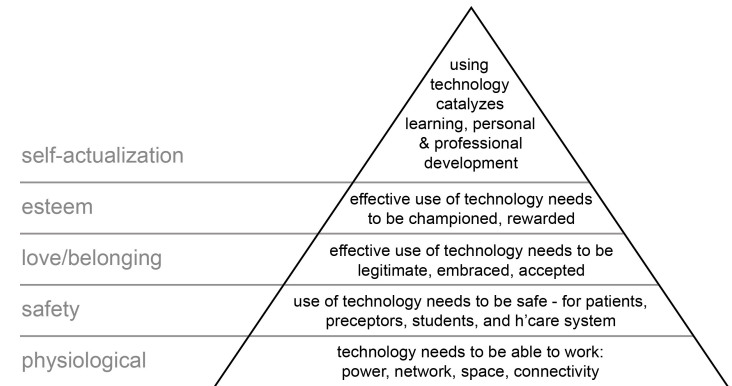
Medical

- EMR/EHR
- PACS
- TeleHealth

## Systems

- Technology not just separate tools
- They function as part of systems
- Dependencies ...

## Dependencies



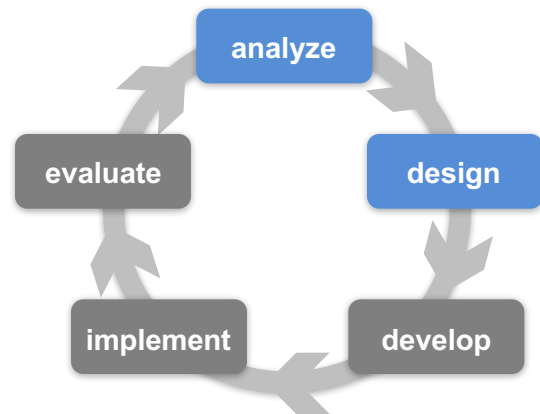
## In a perfect world ...

- ... you could have exactly what you want
- But usually you can't
- Buy, build, borrow, customize
- Many institutions require use of particular systems – LMS, portfolio, encounter logging, VC/WC
- Adapting and being creative within constraints

## Choosing technology

- What are your options?
  - What are your needs?
  - What will suit your needs?
  - What is allowed?
  - What is available to you?
  - What can you afford?
  - Will your selection be fit for purpose?
  - Will your selection be sustainable?

## Approaches to ID: ADDIE



### Activity 1: Pros and cons of different modalities

*See coursebook*

Discuss with your group some or all of the modalities below, based on your own experience and what you've heard from others.

Discuss the educational goal(s) they address and summarize the advantages and challenges.

When would you use (not use) each?

You do NOT need to fill in the entire grid.