

New Technology in Education

29. 9. 2014

Alžběta Karolyiová

karolyiova@phil.muni.cz

Department of Library and Information Studies

Requirements

- Lectures every Monday (+ 20 and 27 October 2014 – Mr. Pharo and Ms. Weber, 15:50, D22)
- 2 absences possible
- Essay or 2 position paper
- Essay: 1200 – 1700 words, topic optional
- Position paper: resume and critique of chosen text related to one of lectures topics; 3 questions

Tablets



INTERES

1 September 2014
34 partner schools



- Apps for education
- presentation apps
 - languages
 - lesson plans
 - books



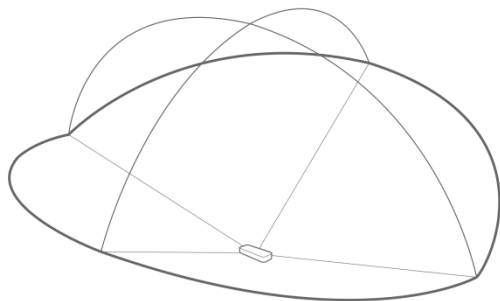
3D printer

- = additive manufacturing
- developed in 1980s; stereolithography
- materials: ABS
- 3D Bioprinting (valves; kidneys...)

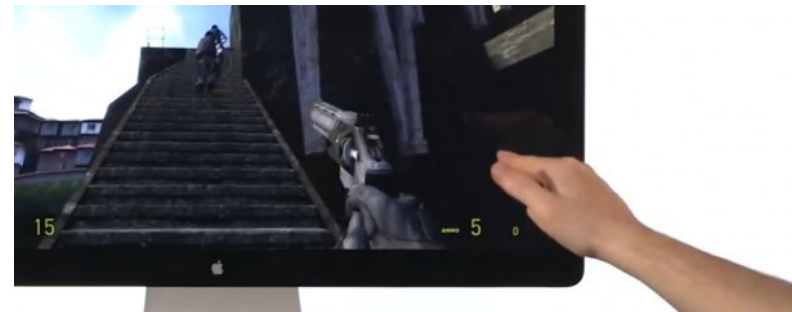


Leap motion

- analogous to a mouse
- no hand contact or touching
- developed in 2008
- 80 USD
- <http://bit.ly/1opw7Db>



Interaction Area
2 feet above the controller, by 2 feet wide on each side (150° angle), by 2 feet deep on each side (120° angle)



Inkling

- Tool for designers
- Ink sketches turned into digital vector drawings
- 60 USD
- <http://bit.ly/1dcNEPc>



Graphic tablet

- photoshop, illustrator...
- illustrations, photo editing...
- <http://bit.ly/1vqsn9J>
- <http://bit.ly/1vqstxV>



Interactive whiteboard



- large interactive display
- projector projects computer display to IW
- controlled by finger, pen, stylus
- USB, Bluetooth
- 2000 – 6500 USD
- Smart board, Active board
- Ultrasound IW
- Electromagnetic IW
- Laser IW
- Křižovatka Library



Kinect

- Enables to control and interact with console and PC
- No need of controller; using gestures and spoken commands
- Microsoft
- Other similar technologies: Wii, Playstation...
- 110 USD
- <http://bit.ly/1AVfzbS>



Robotic technology



Next lecture

- Hana Habermannová: Self-directed Learning
- 6 September 2014