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Storytelling
Show don’t just tell!

Engagement

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Learning Experiences

Online Learning
New Media Method

- Explore and evaluate
- Play and inspire
- Develop and co-create
- Establish relationships/ Hub
- Test/Evaluate
Hololens for Medical Education
Hololens

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Problem

Supination

Pronation

Flexion/Extension

Randale Sechrest – eOrthopod.com
Foot Anatomy Animated Tutorial - https://www.youtube.com/watch?v=ROd1Acma64o

Inversion

Eversion

Flexion

Dorsiflexion

Extension

Plantar flexion

Hindfoot

Talus

Subtalar Joint

Calcaneus

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Inspiration

Session 1

Contemporary Dance

Using the HoloLens in Motion Capture / Dance / Visual Effects production - https://www.youtube.com/watch?v=THocDgV4yEQ&t=1m02s
New Media Lab Projects

Winner SURFnet Innovation Challenge 2016/2017

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Fixation to the body
Exploring AR technology for medical education

- Using virtual anatomical models in classroom setting (*collaborative learning*)
- Linking virtual anatomical models to the real life human body (*affective learning*)
- Learning from (natural/pathological) body restrictions (*personalized learning*)
- Using ‘gaming’ scenario and direct feedback to boost motivation (*explorative learning*)
Scenario in ‘mixed reality’
Way forward
Deliverables

- HoloLens app for learning anatomy
- Technology beyond Kinect®
- Dissemination of app and expertise

Parallel:
Investigate best setting for optimal learning experience (cognition, retention, motivation, empathy)
Outreach

Centre for Education and Learning

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