Virtual Reality for Employability Skills

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3D virtual environments and virtual reality

- Second Life
- Virtual Skiddaw: 3D geology field trips (Unity 3D)
- 360-degree videos in the browser
- Virtual reality viewers

Mobility
Affordances

360-degree visual authenticity

Emphasis and In-situ contextual information

Single-user handling

360-degree navigation

First-person perspective

3D view

Simulation

Visualisation

3D virtual geology field trip – Virtual Skiddaw

3D virtual geology field trip, video: https://www.youtube.com/watch?v=zfbA1s9uRoU
Other types of virtual reality

**VR in health care**

VR's Healthcare Revolution: Transforming Medical Training at CHLA

Video:
[https://www.youtube.com/watch?v=4om8g0u9a4M](https://www.youtube.com/watch?v=4om8g0u9a4M)

**360 degrees video in Chrome**

Ocean: A 360-degree tour of the mysterious, magical corals of Palau

Video:
[https://www.youtube.com/watch?v=jtVFHRcY](https://www.youtube.com/watch?v=jtVFHRcY)

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**Employability**

“A set of capabilities and achievements that support students in developing their careers, raising their aspirations and enhancing their contribution to society.”

*The Open University Student Employability Policy Statement*
Virtual reality and employability

- Awareness
- Workplace usage
- Learning and skills development

Virtual reality

- Design and prototyping
- Risk-assessment training
- Continuing Professional Development
- Emergency and natural disaster management training
- Treatment of depression, loneliness, dementia

Awareness of virtual reality technologies

- Interviewing; team-working skills
- Healthcare education; forensic science training
- Teaching

- Sensitising to environmental issues
Experiencing the invisible

Real places

“ The virtual reality helped me because I could see for myself what was happening without having to imagine it. ”

Learning through simulations

Simulations

“ The animation was very realistic; therefore, I could take more knowledge away from the lesson [...] these images can [...] help me explain about the respiratory system in a much larger amount of detail. ”
Local to global – and – global to local

It helped me to understand the Chilterns is an area of natural beauty compared to some places in the world. It helped me to feel more caring about the Chilterns.

The future

“...”
## Questions and comments

Project website:
[http://www.shaileyminocha.info/google-expeditions/](http://www.shaileyminocha.info/google-expeditions/); has links to blog-posts

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The links to websites in this presentation were last checked on 19 July 2017.