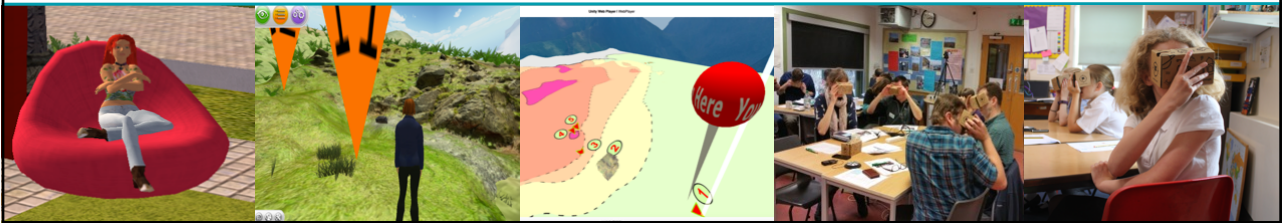


Virtual Reality for Employability Skills

Shailey Minocha and Ana-Despina Tudor

20 July 2017



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

3D virtual geology field trip – Virtual Skiddaw



3D virtual geology field trip, video: <https://www.youtube.com/watch?v=zfbA1s9uRoU>

3

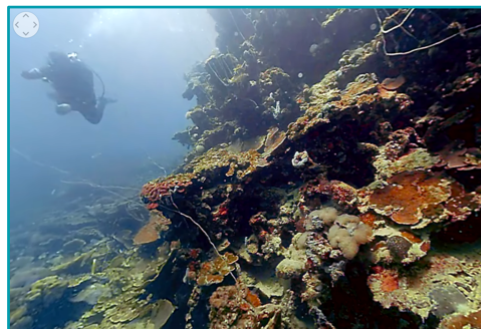
Other types of virtual reality



VR in health care

VR's Healthcare Revolution: Transforming Medical Training at CHLA

Video:
<https://www.youtube.com/watch?v=4om8g0u9a4M>



360 degrees video in Chrome

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

Video:
<https://www.youtube.com/watch?v=jvtvFHPrcsY>

4

Affordances of Google Expeditions



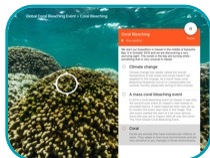
360-degree visual authenticity



360-degree navigation



3D view



Emphasis and In-situ contextual information



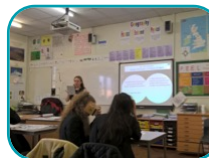
First-person perspective



Simulation



Single-user handling



Synthesis

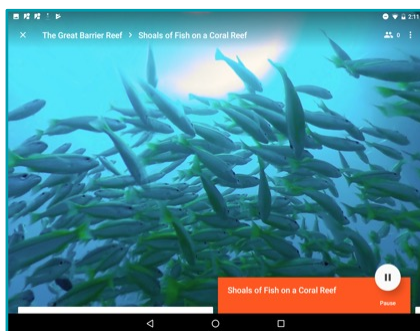


Visualisation

5

Experiencing the invisible

Real places

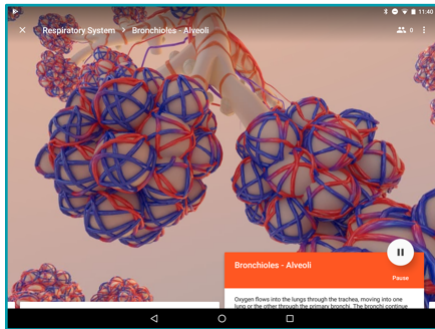


“The virtual reality helped me because I could see for myself what was happening without having to imagine it.”

6

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. ”

7

Local to global – and – global to local

Local to global



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. ”

8

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

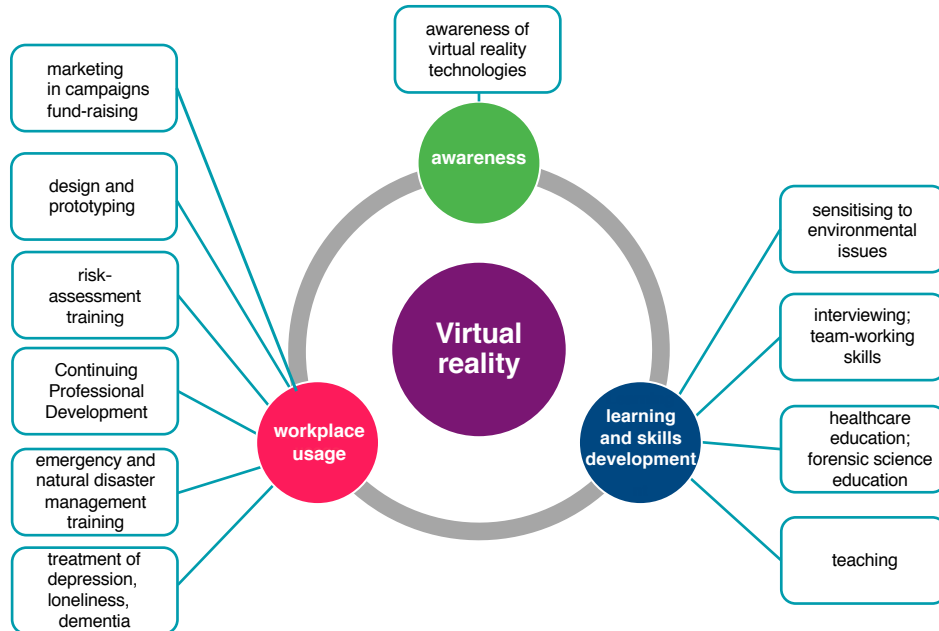
9

Virtual reality and employability



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Virtual reality and employability



11

The future



12

Questions and comments

Project website:

<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.

