Project Workflow with OEC

* Spoke with Chris Weyant from the Outdoor Education Center on Friday (09/28/2018). She expressed interest in taking VR videos of different Orientation Adventure sites and uploading them to the website so that students could experience the sites in virtual reality
* Followed up with Chris about applications of VR for the OEC broadly. Scheduled meeting for Tuesday (10/02/2018).
* Did research on VR applications to the outdoors.
  + Four applications of VR to the OEC
    - Advertising Trips
      * VR pics of trips so that students can see where they are going before they go
    - Outdoors for people who are not usually able to experience outdoors
      * VR has been used for
    - Outdoors as a tool for relaxation during stressful periods
      * Use VR for quick access when people don’t have time but still want to experience outdoors
    - VR for training
      * First Aid[[1]](#endnote-1)
      * Fear of Heights[[2]](#endnote-2)
        + <http://www.theclimbgame.com/>
  + Other Interesting links:
    - <https://outdoorindustry.org/article/social-good-can-achieve-virtual-reality/>
    - <http://project360.mammut.ch/#route/mount-everest/south-route/215/map>
    - <https://www.theguardian.com/technology/2015/dec/24/the-climb-virtual-reality-oculus-rift-crytex>
    - <http://www.theclimbgame.com/>
    - <https://www.sierraclub.org/sierra/can-virtual-reality-make-great-outdoors-even-greater>
    - <https://www.liveoutdoors.com/news/241185-virtual-reality-outdoors-apps/>
    - <https://www.youtube.com/watch?v=fPaMUt7fmxY>
    - <http://appherenow.com/outdoorvr/>
    - <https://www.outsideonline.com/2115421/virtual-reality-proves-itself-next-great-adventure-film-tool>
* Downloaded and tested demos on Oculus Rift and Google Cardboard.
* On Tuesday Met with Chris and Martin Crawford (the director of outdoor education at Pomona).
  + They already had some experience with VR
    - Martin had used his phone camera to stitch together VR photos of different trips.
    - They had hosted an event where they let students use cardboard-like products to experience different locations. Seemed to perceive this as a successful event
      * They have four off-brand VR headsets that allow you to put your phone in 🡪 similar to cardboard but more comfortable.
  + They are really interested in a partnership with HPC to capture VR pictures videos of different OEC trips
    - They have a map found at <http://bit.ly/OECmaps> with information on some of their trips.
      * They would like to populate this map with VR pictures
      * This would be doable with current equipment
      * As a side note, they created the map using google mymaps. I think that it could be an interesting project to overhaul the map and create a better system that integrates VR experiences and more useful information. They would probably be open to this.
    - They also would like to do 360 VR compatible videos
      * Really intrigued by the idea of hiking down a trail or climbing a mountain with a 360 video camera and capturing the experience.
      * They don’t seem to want to invest OEC funds in it, but if we were to buy a 360 video camera, they would love to use it.
* Martin asked me to follow up and see how they could make this partnership work.
  + Also seemed interested in possibly demo-ing the Climb VR setup with oculus.
* I emailed Martin and Chris telling them that I would get back to them with next steps after our Friday meeting. I also invited them to try out the Climb.

1. <http://emergencyservicestimes.com/virtual-reality-first-aid-training-now-part-training-courses-uk/> [↑](#endnote-ref-1)
2. <https://consumer.healthday.com/mental-health-information-25/fears-and-phobias-health-news-304/virtual-reality-therapy-edges-out-fear-of-heights-735699.html> [↑](#endnote-ref-2)