

## bit.ly/uwwctlvr







## **The Presenter**

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## **Collaboration & Design**





Preservice educators planned, designed & taught lesson in VR classroom







## **Collaboration & Design**





Clip of students working in the VR space via headsets (also available via web browser too)





## **Teamwork & Communication**





ROTC Cadets worked together in military sim to practice formations and communication





## **Teamwork & Communication**



Tactical missions emphasize strategy, precise language, and following leader's orders





## **Teamwork & Communication**





Non-participants able to watch the overall view of the training exercise to learn and discuss







## Simulation & Observation





Comm Sci Disorders Open House Featured Speech & Language VR Clinic Simulation





## Simulation & Observation





Potential Students could observe the clinical simulation in 360 degrees via VR headset











Collaborative shortorder cooking game helped build group & community skills for Spec Ed











Must prepare food orders as they come in while sharing ingredients and food prep tools













Builds social awareness & relationship skills via unique collaborative activity



Self-Management Self-Awareness Managing emotions Recognizing one's emotions and values as well as one's strengths and behaviors to achieve one's goals and challenges Social & Emotional Social Responsible Decision-Awareness Learning Making Making ethical, constructive choices about personal and social behavior **Relationship Skills** Forming positive relationships, working in teams, dealing effectively with conflict







Person in VR must disarm a "bomb" with the help of team outside of VR with instructions











VR player does their best to calmly describe bomb to teammates to get their assistance











Builds Self-management & Self-awareness skills through the modulating of emotions







## **3D Design & Creation**





3D Design in a virtual space to give user 360degree control of their creation tools







## **3D Design & Creation**





Users can import reference images, create in 360 degrees & export as 3D printed object







## **Bonus - Esports Teams**





Team-based 3v3 game that combines ultimate frisbee, hockey, and zero gravity





#### WebVR and/or DIY Headset

- Works on Chromebooks & Mobile
- Cardboard \$10+ (no controller)
- Mainly "fixed" VR experience







# Oculus Quest 2 \$300-\$400 Untethered & Standalone device

#### Vive Pro 2 or Valve Index

- \$800-1K headset
- \$1,500-2,000 for PC
- Tethered & high end



## What Should I Get?



#### WebVR and/or DIY Headset

- Works best when using with large class of 25 & up
- Not very expensive (either free or cost of DIY headsets ~\$50-300ish









## What Should I Get?





#### Oculus Quest 2

 Best as a station/cart of 4-5 headsets for activities
 Cost around \$1,200 - 1,500 for headsets, with app costs between \$100-500 depending on preferences



## What Should I Get?



#### Vive 2 Pro or Valve Index

 Best as single purchase in maker area or library
 Costs \$1,800 - 3,000 for headset and high-end PC







### Asynchronous or Synchronous Frame VR



#### Works on









## FrameVR









## **Questions?**



