

Take a Look Inside Instruction: Using Virtual Reality (VR) in the Classroom



Wendy White and Megan Gill • Godwin Memorial Library

VR in the library?



Meet the curricular, instructional, & leisure needs of students, faculty, staff, community



Provide a variety of resources to enhance curriculum, personal improvement, and recreation



Work with faculty and staff to support academic excellence

How It Started

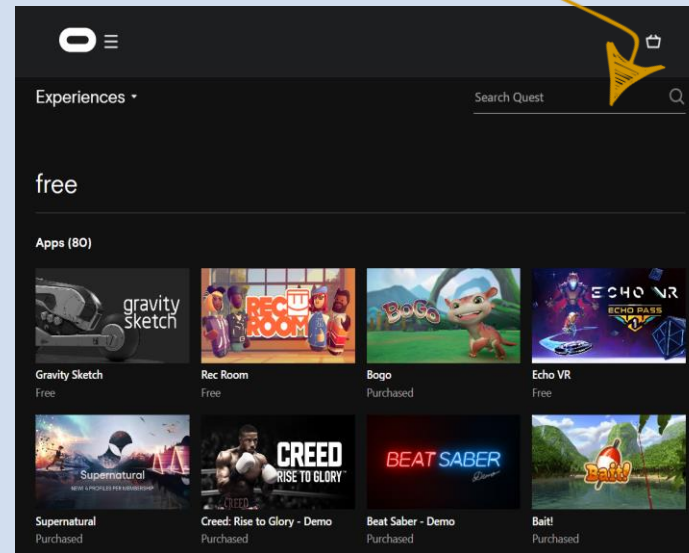
Buy

Oculus Quest and Oculus Quest 2



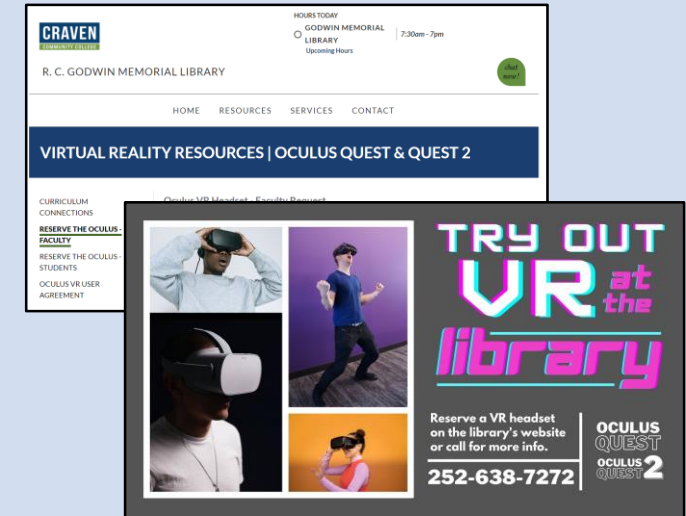
Try

Free and Demo Apps



Promote

LibGuides. TV ads. Podcast.



At the desk. Faculty workshops.

How It's Going

Space

STEM Room



Connections

- **Chemistry** – HoloLAB (lab skills), MEL Chemistry (solids/liquids/gases)
- **Biology** – YouTube VR for cell division, protein synthesis
- **World Civilizations** – Acropolis
- **English** – Poe, destinations from literature, historical events
- **Phlebotomy** – Cardiovascular system
- **Clubs** – Virtual college tours, STEM connections
- **Leisure/Recreation** – golf, boxing, yoga, travel, etc.

Tips & Things to Consider

- Tips
 - Covers and cleaning (Amazon)
 - Storage (Sterilite containers), case (Amazon)
 - Multiple app systems (Oculus Quest/Rift/Go, Steam)
 - VR direction book
- Things to Consider
 - Casting – Wifi networks, app, cords
 - App compatibility with computers (GPU, storage)
 - Registration process (Microsoft Form & Calendar in Teams)
 - Quest 2 – Requires Facebook account



Pictures & Future Plans



Students



Faculty & Staff

Future Plans

- Welding
- Automotives
- Forklift, Drill Press
- 9-1-1 Simulations
- Flight Simulations
- Robotics, PC Building
- Engineering
- Truck Driving
- Anatomy
- Calculus Vectors

What is VR (Virtual Reality)?

- Simulated Environment
 - Immersive Experience
 - Sensory Engagement
 - Related to Augmented Reality (AR)
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- Current Big Fields: Aviation, Medicine, Military ...
and Education?

How does VR work?





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