

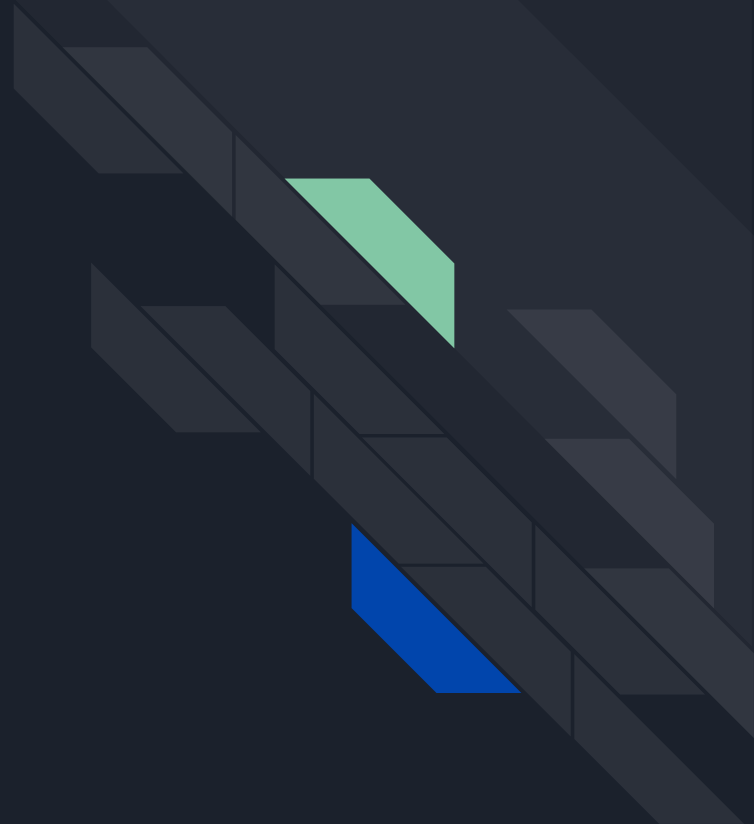


Certify-ED

VR Simulation Training

VR Simulation Training

- Simulation Overview
- Simulations in the Classroom
- VR Headsets
 - Guardian Boundary Setup
 - Casting to a Computer
- Accessing the Simulations
- Usage Tips
- Explore a Simulation
- Q & A

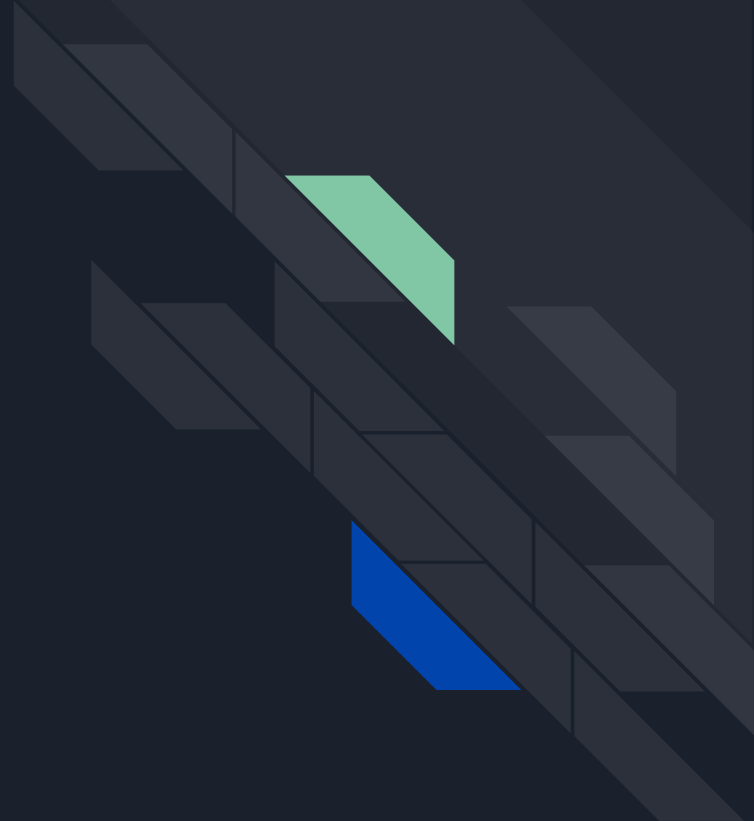




Simulations: Overview

- Allows students to demonstrate and apply knowledge within the classroom.
- Available on Oculus Quest and Desktop devices.
- All simulations are browser based (no installation required).
- Designed to be completed in a single session.
 - Partial progress does NOT save.
 - Refreshing the page, or closing the browser tab will reset the experience.

Simulations In The Classroom






Simulations: In The Classroom

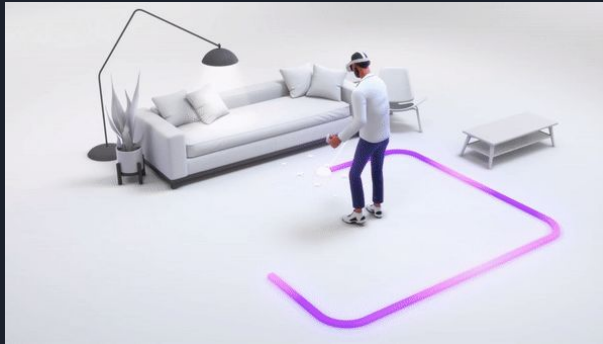
1. Make sure there is an open area clear of obstructions in which to use the VR goggles.
2. Set up the device to cast to a projector/computer (details to follow).
3. Pick a student who's ready to complete the simulation, and have them log into their course through the Oculus Browser (details to follow).
4. Allow the students to demonstrate their knowledge in the subject area by completing the simulation.

Guardian Boundary Setup

After powering on the Meta Quest device, hover over the clock on the left side of the Universal Menu and select  **Guardian** from the *Quick Settings* panel. Select Stationary or Roomscale, then follow the on-screen instructions to set up your Guardian.

1. Set the floor's level by touching a controller to the ground.
2. Use a controllers to draw a Guardian Boundary in a clear space free from obstructions.

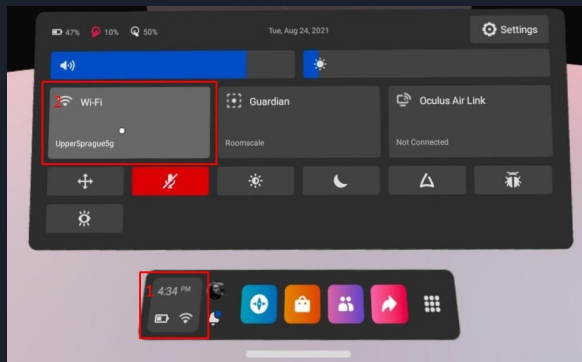
3.



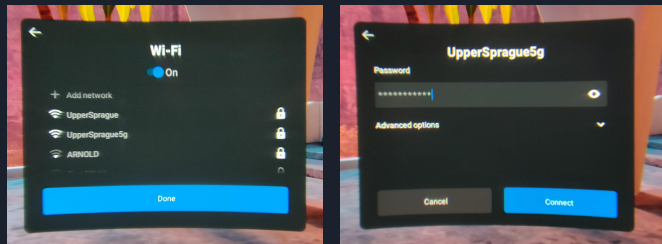
4. The Guardian Boundary is designed to warn users when they are leaving the designated area.

Connecting to Wi-Fi

1. Ensure that the standalone Quest headset is properly connected to your Wi-Fi network and the web by going to [Settings](#) > [Wi-Fi](#) in the main menu.



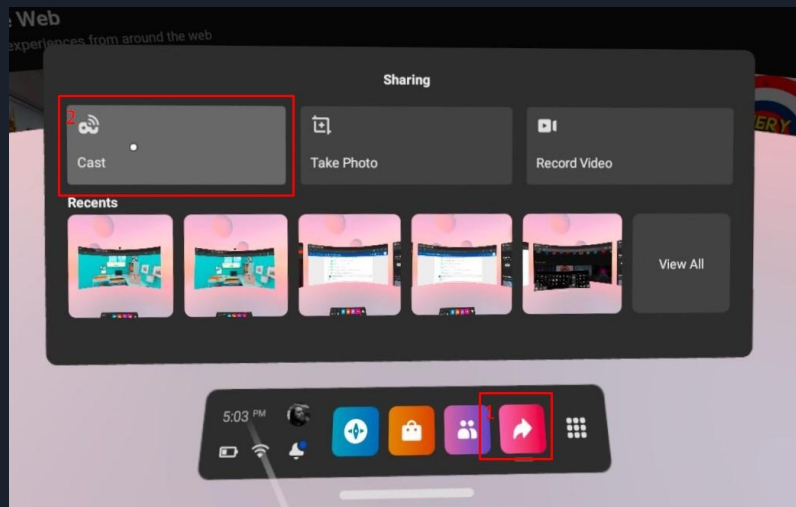
2. Select the Wi-Fi network you want to connect to and then enter the Wi-Fi password using the onscreen keyboard. Select Connect.



Casting to a Computer

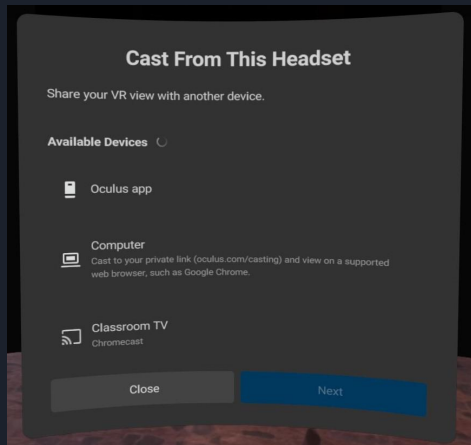
1. Connect both devices to the same Wi-Fi network.
2. Press the Oculus button on your controller to open the universal menu.
3. Select Sharing then select Cast.

Note: you can only cast from the primary account



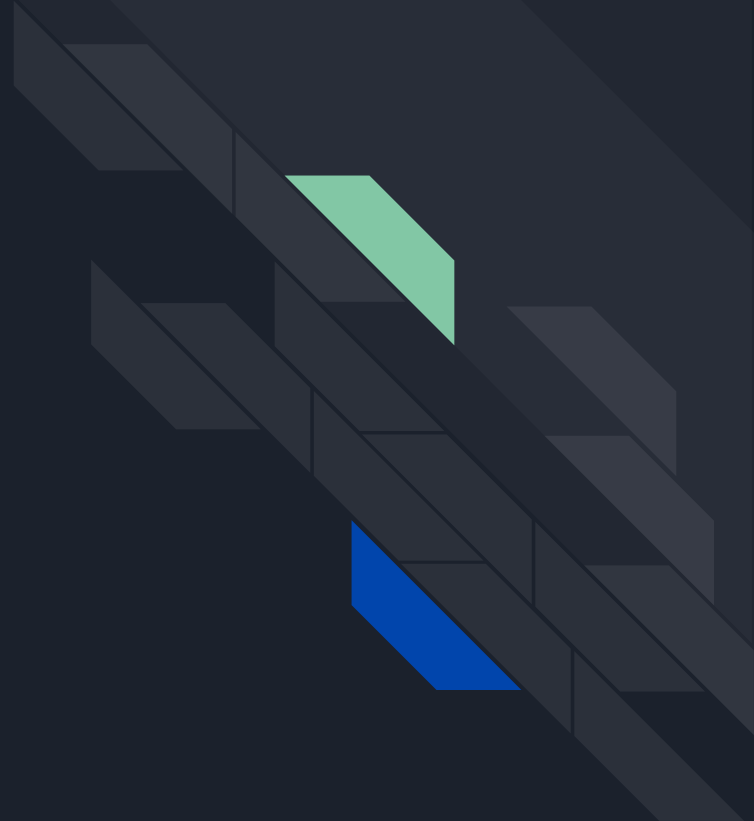
Casting to a Computer

4. Select the Chromecast or other device you want to cast to and select Next.

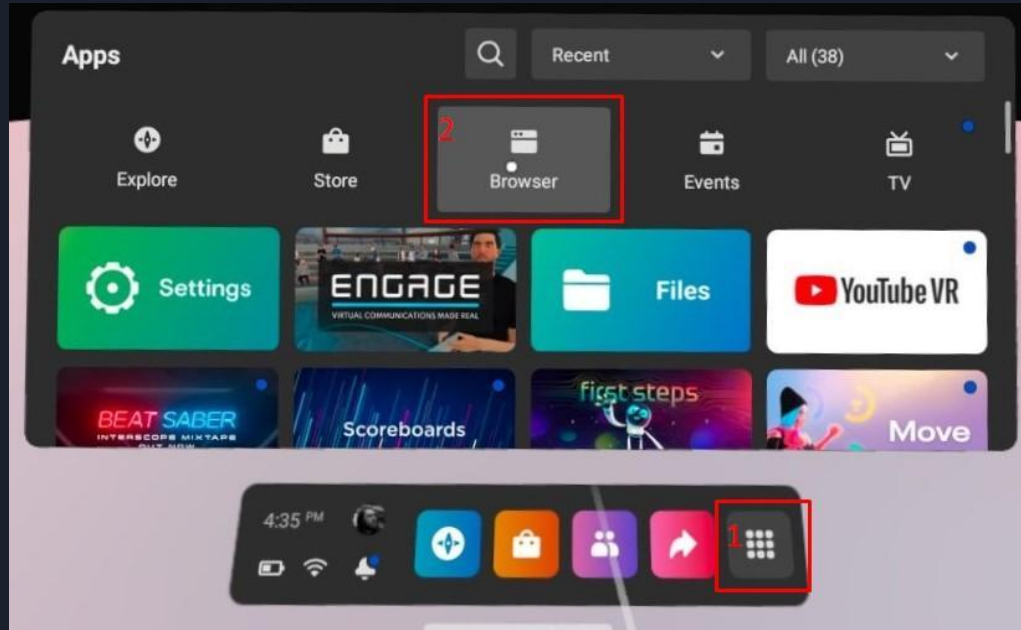


5. **Computer:** Requires that you log into oculus.com/casting from the account associated with the Quest device.
6. A red dot will appear in VR to indicate that casting has started. You can stop casting at any time from the Sharing menu or the **Meta Quest** mobile app.

Accessing The Simulations: Meta Quest

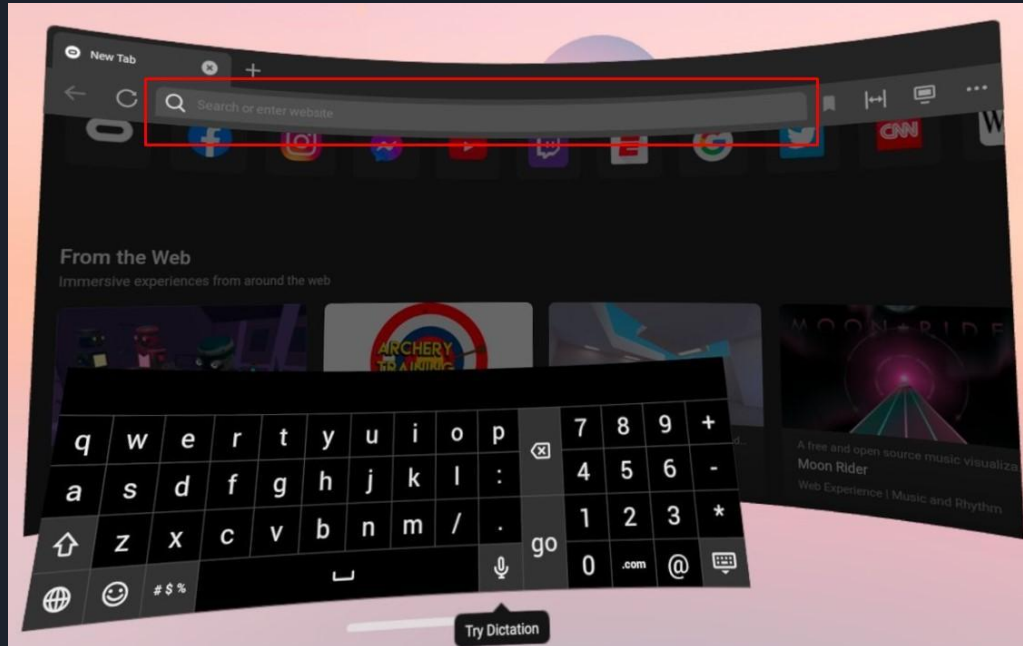


Accessing The Simulations: Meta Quest



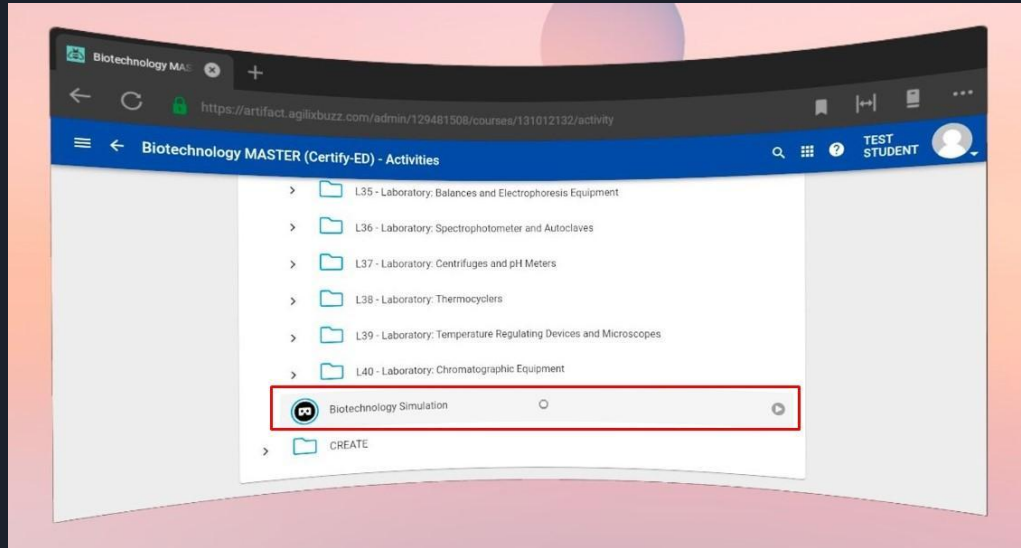
1. Select Apps from the main menu and then open the Oculus Browser app.

Accessing Your Simulation: Meta Quest



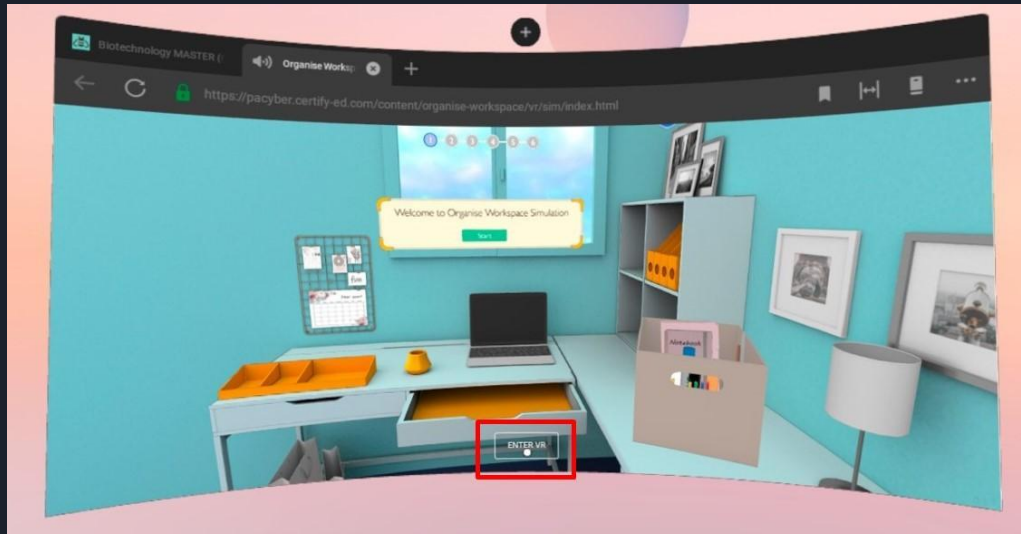
2. Log into your Certify-ED course(s) as you normally would using the link and credentials provided to you.

Accessing Your Simulation: Meta Quest



3. Navigate to the simulation activity in the course, which could open a new tab in the Browser.

Accessing Your Simulation: Meta Quest



4. Once the simulation has loaded, click on **Enter VR** to enter the VR mode.
5. Follow the prompts to complete the simulation.



VR Usage Tips

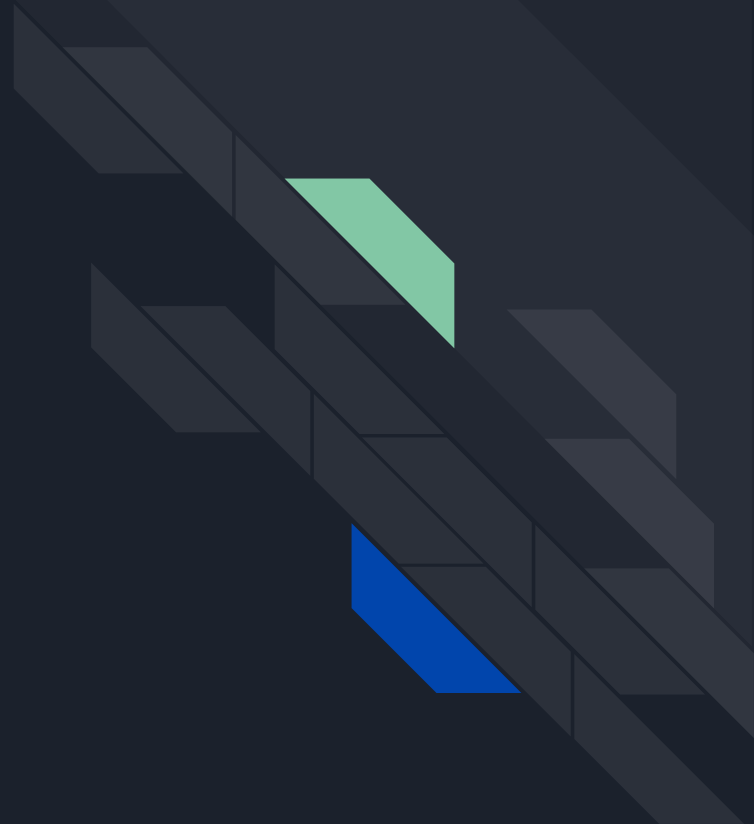
1. While creating the Boundary, ensure you have a clear space to move around without bumping into anything.
2. Use the straps on the controllers around your wrists to ensure the controllers are not dropped or thrown.
3. For each session, take the time to ensure that both the headset strap and the lens spacing are properly adjusted for the headset to sit comfortably on the head and face.
4. Keep spare AA batteries on hand for the controllers.



VR Usage Tips

5. Do not expose lenses to direct sunlight for any length of time, and do not use liquid or chemical cleansers on the lenses.
6. Check the Oculus Support site for how to clean your Quest headset. Do not use alcohol or an abrasive cleaning solution.
7. The Oculus headset uses inside out tracking which means the lenses on the outside of the headset help to map head movement. Do not use your headset closely next to a mirror or other reflective surface, such as a large TV screen, or it could malfunction.

Simulation Training: Review





Simulation: Review

Q: Which devices can you use to access your course simulation?

A: Simulations work with both Desktop devices and the Meta Quest 2 VR Headset.

Q: How do you access the simulation?

A: Log into your Certify-Ed courses, and navigate to the simulation. Clicking the link may open the simulation in a new browser tab.

Q: Are you required to install any apps to use the simulation?

A: No. All simulations are web-based and run within a web browser.

Q: Can you save your progress and complete the simulation at a later time?

A: No. All simulations are designed to be completed in a single session. Partial progress will not save.

Explore A Simulation



Welcome to your simulated

BIOTECH VR EXPERIENCE

This simulation was created to allow you to practice different Biotechnology experiments safely without wasting materials.

[Get Started](#)

