

TECHNOLOGY + CLASSROOM READINESS

Technology and Troubleshooting Guide

For educators and school technology teams. The five-minute experience works in full VR through Meta Quest Browser and in interactive 360 on computers, Chromebooks, tablets, and phones. No app-store download or headset is required for the 360 option.

Supported access options

OPTION	REQUIREMENTS	BEST USE
Meta Quest	Meta Quest Browser, current headset software, controller input, audio, and WebXR.	Full immersive individual viewing.
Computer or Chromebook	Current Chrome or Edge, hardware acceleration, mouse or trackpad, and audio.	Classroom stations or individual 360 viewing.
Tablet or phone	Current Safari, Chrome, or Edge, touch controls, and audio.	Individual or small-group viewing.
Non-headset alternative	Accessible scene guide, printable lesson, large print, and teacher-led discussion.	Sensory, accessibility, bandwidth, or device accommodations.

Required domains and network behavior

Allow HTTPS, JavaScript, WebGL, WebXR for Meta Quest, MP4 files, byte-range requests, and cross-origin video playback from the approved video host.

educators.harrisonjohnsonsheroes.com	Educator accounts, curriculum, and classroom tools
pearlharborvr.org	Production Pearl Harbor VR and interactive 360 experience
pub-31d343e6994a4847a6dea3d5fc48e8ff.r2.dev	Secure video delivery and MP4 range requests

Five-minute classroom preflight

1	Open the educator site Confirm the educator site opens on the exact school network and device students will use.
2	Open the immersive site Allow pearlharborvr.org and confirm the production experience loads.
3	Allow the video host Allow the R2 domain above and MP4 byte-range requests.
4	Test audio Use headphones or classroom speakers and confirm narration is clear.
5	Test full playback Play from the opening through the final Harrison scene without skipping.
6	Test controls Confirm mouse, trackpad, touch, or Quest controller movement works.
7	Prepare an alternative Have the accessible scene guide and non-headset materials ready.
8	Plan device rotation For limited equipment, create a rotation and use each classroom identifier once.

CLASSROOM SUPPORT

Troubleshooting

Try the actions below before changing the site or deployment. For additional help, contact hj@harrisonjohnsonsheroes.com.

ISSUE	ACTION
Audio plays but video is black	Update the browser, enable hardware acceleration, reload, and confirm the approved web-compatible video is being used.
Quest opens a white screen	Use Meta Quest Browser and select the red Start the VR Experience button with the controller.
Video loads slowly	Reduce simultaneous starts, close other streaming tabs, move closer to the access point, or use a device rotation.
School filter blocks the video	Allow pearlharborvr.org , the R2 video domain, MP4 files, byte-range requests, and cross-origin playback.
Student cannot rejoin	Use a new teacher-assigned identifier or ask the educator to review the classroom session.
No headset is available	Use interactive 360 on a classroom device or the accessible scene guide and teacher-led alternative.

Before the lesson

Complete one uninterrupted five-minute playback on the same network and device type students will use. Confirm picture, sound, controls, full playback, and the final Harrison scene.

Production addresses

Educator program	https://educators.harrisonjohnsonsheroes.com
Immersive experience	https://pearlharborvr.org