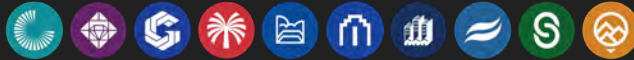




Virtual Adventures

Bringing Field Trips to the Online Classroom

Steven R. Crawford, Ed.D.



District Director,
Maricopa Center for Learning and Innovation

steven.crawford@domail.maricopa.edu



Session Objectives

At the end of the session, participants will be able to:

- compare immersive (360) video to “standard” video
- identify the tools and tips for creating immersive (360) video
- discuss how students can use immersive (360) video

A futuristic digital landscape with a glowing blue grid floor and wireframe mountains under a starry sky. The scene is composed of a grid of lines that recede into the distance, creating a sense of depth. The mountains are constructed from a mesh of lines, giving them a skeletal, digital appearance. The sky is a deep blue with scattered white stars, suggesting a night sky or a digital void. The overall color palette is dominated by shades of blue and cyan, with some white highlights from the grid and stars.

What is immersive video?

A futuristic digital landscape with a glowing blue grid floor and wireframe mountains under a starry sky. The scene is composed of a grid of glowing blue lines that recede into the distance, creating a sense of depth. In the background, several jagged, mountain-like shapes are rendered as wireframe meshes, also glowing with blue light. The sky is a deep blue gradient, dotted with small white stars. The overall aesthetic is clean, modern, and high-tech.

Use cases for immersive video

A futuristic, digital landscape with a grid floor and wireframe mountains under a blue sky. The scene is composed of glowing blue lines forming a grid on the ground and wireframe structures for the terrain. The sky is a gradient of blue with some faint stars or particles.

Tools for creating immersive video

Insta360 Pro II Spherical VR 360 8K Camera

\$4,599

8K Video



Insta360 ONE RS 1-Inch 360 Edition Camera

\$999



Insta360 X4 360° 8K Camera

\$479.99



GoPro MAX 360 Action Camera

\$499.99



Ricoh THETA Z1 51GB 360 Camera

\$996.95



360 Camera "Tripod"

Insta360 Action Invisible Selfie Stick (39.4")

\$44.99

Insta360 All-Purpose Mini Tripod

\$30.99



360 Camera "Tripod"

Insta360 Sumo Stand Tripod for
Insta360 Pro, Pro II, and Titan
\$399.00



A futuristic digital landscape with a glowing blue grid floor and wireframe mountains under a starry sky. The scene is composed of a grid of glowing blue lines that recede into the distance, creating a sense of depth. In the background, several jagged, mountain-like shapes are rendered as wireframe meshes, also glowing with blue light. The sky is a deep blue with scattered white stars. The overall aesthetic is clean, modern, and high-tech.

How students use immersive video

Three common methods

VR Headset

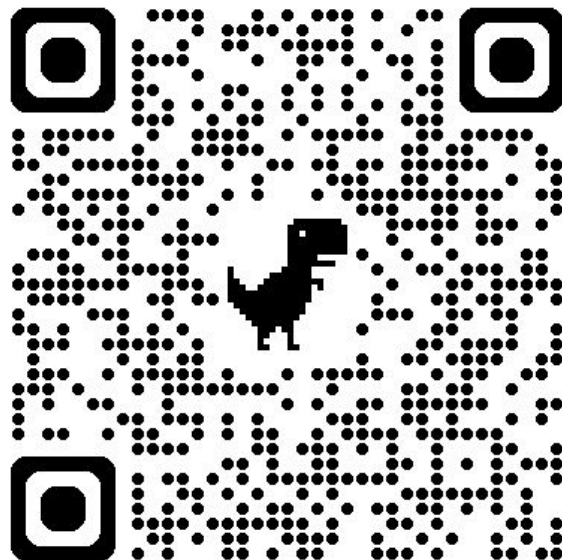
“Google” Cardboard

Magic Window



View for yourself

https://youtu.be/s6SXYzhz_xM

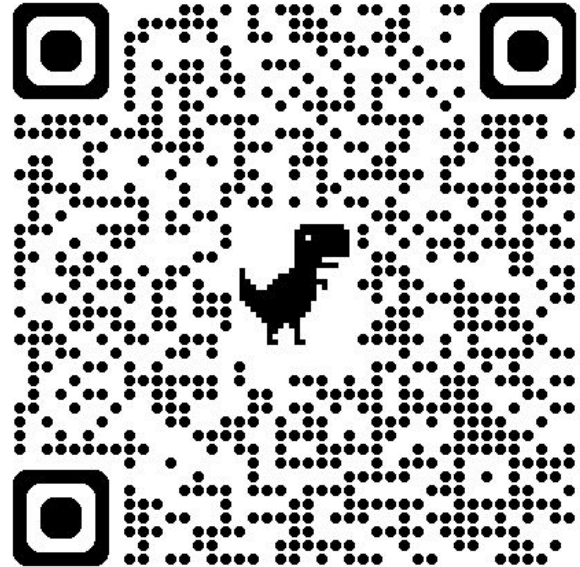


A futuristic digital landscape with a glowing blue grid floor and wireframe mountains under a starry sky. The scene is composed of a grid of glowing blue lines that recede into the distance, creating a sense of depth. On either side of the path, there are jagged, mountain-like shapes constructed from a wireframe mesh of glowing blue lines. The sky is a deep blue, dotted with small white stars. The overall aesthetic is clean, modern, and high-tech.

Online Resources

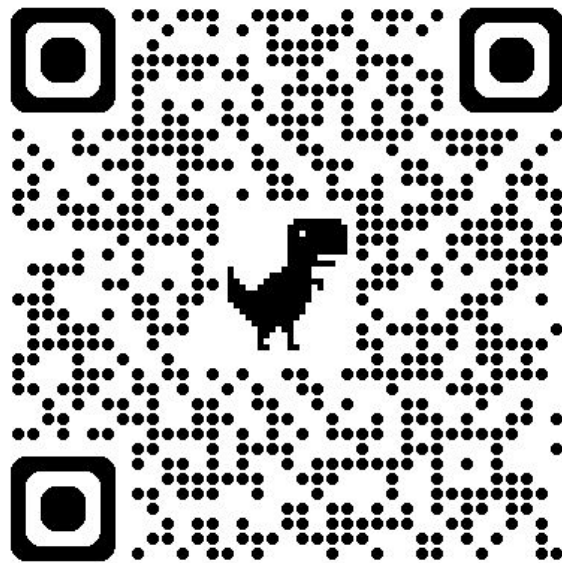
Producing 360-Degree Videos to Design Immersive Experiences for Your Learners

<https://www.qualitymatters.org/qa-resources/resource-center/articles-resources/virtual-reality-videos>



How to Edit & Export Insta360 X4 8K 360 Video for YouTube VR & Vision Pro

https://youtu.be/V_Q2qfQnf-M



Virtual Adventures

Bringing Field Trips to the Online Classroom

Steven R. Crawford, Ed.D.

District Director,
Maricopa Center for Learning and Innovation

steven.crawford@domail.maricopa.edu