

Students, Don't Just Play Games

Learn How to Create Your Own Virtual Reality!

Introduction

STEM Center USA and Santa Clara County Office of Education are excited to launch this brand new high-tech Virtual STEM Camp that allows students to discover, explore, design, and experience their own 3D Virtual Reality video games from the comfort of their home!

What is CYO Virtual Reality?

Virtual Reality (VR) is the use of computer technology to create a simulated environment. VR computer technology uses software to produce images, sounds and other sensations to create a different place, so that a user feels like he or she is really part of this other place.

Students in this class will:

- Use game objects, models, and levels to create VR environments
- Think in 3D to create virtual reality experiences
- Learn to storyboard their ideas before coding their final ideas
- Develop coding and design skills
- Create characters that move, fly, jump and come to life right before their eyes!

After students have completed their realities, they will be able to use their smart phones (or borrow a parents') to download an app and try it with their own take-home cardboard VR headset.

Student Enrollment:

Grade Levels: Incoming 6th - 8th & 9th - 10 grade students

Number of students: 60

Student Materials:

Students will receive a set of bilingual (English and Spanish) worksheets uniquely designed and customized for this course. In addition, each student will receive a drawstring sports bag packed with instructional worksheets, a pen, a USB wired mouse, and a Google cardboard VR headset to use during the course and at home.

Class Schedule

Class Dates	Class Times	Live Online Session with Local Teacher	Live Online STEM Instruction
Jan. 23, 30, 2021	8:30 AM - 11:00 AM	8:30 AM - 9:00 AM	9:00 AM - 11:00 AM
Feb. 6, 20, 27, 2021			
Mar. 6, 13, 20, 27, 2021			
Apr. 17 2021			

* Students will also spend 2 hours per week with their Local Teacher:
6th - 8th | Mon/Thurs 4:00 PM - 5:00 PM and 9th - 10th | Mon/Tues 4:30 PM - 5:30 PM

Online Course Requirements:

- Chromebook, Mac or PC
- WebCam
- Stable internet connection with access to Zoom Video Conferencing

Registration Information:

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Program Information:

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Technical Support – Help Desk/Troubleshooting:

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