For Grades 3-6

STEAM Discovery Virtual Camp

JUNE 29-JULY 3 • JULY 13-17 • 9 AM-4 PM

“The future belongs to the curious. The ones who are not afraid to TRY it, EXPLORE it, POKE at it, QUESTION it, and TURN it inside out.”

Author Unknown

We’re bringing summer learning to the virtual world. Join us for our first annual STEAM Discovery Virtual Camp, where students will engage their minds and geek-out with fun, interactive, and collaborative STEAM challenges to stretch their analytical and problem-solving skills.

CREATE A SPORTS LEAGUE
Sports Leagues have had to take a break! Take the role of a sports commissioner and plan a new league or a science based plan for one of your favorite sports leagues. Games are an important tool for learning in elementary school mathematics classrooms.

MATH GAMES
Playing games encourages strategic mathematical thinking. Playing Math Games will encourage students to find different strategies for solving problems and will deepen their understanding of numbers. Learn to play with numbers and see the “magic” of math come alive while engaging in fun, interactive games.

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MAKERSPACE
Want to build a bridge, make a pulley system or create a Bristlebot? Makerspace is taking the world by storm! Imagine DIY meets education. Engage in hands-on inquiry and investigate creativity in action. Work as a team to solve Makerpuzzles, share ideas, design concepts, and engineer/re-engineer solutions.

POP ART
Did you know that Math and Art are related content areas? Learn about the foundation of Pop Art and how mathematical concepts can be applied to artistic creations. Participate in art and math activities and then create your own unique Pop Art masterpiece!

Register now to ensure your spot!

Early Registration Fee: $140 (Ends June 19 for June 29-July 3 session; Ends July 3 for July 13-17 session)
Late Registration Fee: $150
Section number: 201EDL019 (June 29-July 3); 201EDL020 (July 13-17)
Delivery method: Online (Private YouTube Channel and Zoom)
Materials required: Internet Access • Laptop, Chromebook, iPad, or cellphone

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UCR Extension Professional Studies
Structure

- 30 hours of learning per week
- Two credentialed teachers (one for morning lessons, one for afternoon lessons)
- Teachers will teach 1 unit containing 5 daily lessons
- Daily agenda provided to students and parents
- Daily lessons delivered on a private YouTube channel
- Live-Lunch gatherings via Zoom hosted by the teachers
- Independent project-based activities
- Feedback provided to students
- Students may record themselves working on a project and then submit videos to our private YouTube channel administrator.
- A showcase day on Friday for students to present their work, with a slideshow/video montage created by teachers to show student work and experience
- Pathway to UCR includes a campus virtual tour, “Ask a UCR Student” panel via Zoom, including community and campus speakers, and assignments where students can explore college majors at UCR

Schedule

Morning Class - Rotation One: First Instructor

9 a.m.
Students login to Zoom to receive directions and guidance for the day. This will include guest speakers and some virtual tours.

10 a.m. - 12 p.m.
Students login to YouTube for instructions and complete the morning project. Lessons will be uploaded here with demonstrations and directions.

12 p.m.
Live-Lunch! Have lunch with your friends via Zoom! Students will login to interact with each other, eat, and chat about their projects. Teachers will facilitate and guide students connecting with each other. Virtual tours and field trips may also be scheduled during Live-Lunch.

Afternoon Class - Rotation Two: Second Instructor

1 p.m.
Students login to Zoom to receive directions for the second half of the day.

2 - 4 p.m.
Students login to YouTube for instructions and complete the afternoon project. Lessons will be uploaded here with demonstrations and directions.

4 p.m.
Closing summary via Zoom. Students will share what they have worked on during the day. Teacher Q&A time.

Friday: Showcase Day!

Teachers will provide students with guidance through the week on how to upload and share their work on YouTube. Students will share their projects and virtual camp experience. This day will operate on a revised schedule, with activities in the morning and then a Live-Lunch Zoom session for students to share their projects from their morning class. In the afternoon, Zoom will be used for students to share their projects from the afternoon class.

Students will have access to 10 hours of online content and instruction delivered through YouTube, with hands-on, project-based learning activities that run throughout the week. Supplies and materials from around the house, and that are readily available, will be used for the projects. The STEAM Discovery Virtual Camp will be full of demonstrations and academic language development! Lesson differentiation will be made available with links and additional challenges for students who strive to achieve higher.