



This summer we are offering new camps as well as the LEGO Robotics Camps. Look at the listed camps and choose your week, choose your camp. If you choose to join us for more than one camp the second camp will be reduced by \$25.

## Info for all Camps

Camp fee -- \$175.00 per camp

- \$25 off if you are signing up for more than one camp with EdSpark LLC

\*All camps will be Mon-Thurs. 8:00 am to 300 pm

Time: Drop off 7:45 am – Pick-up no later than 3:15 pm (\$20 fee for every 15 minutes late after pick-up time of 3:15)

Free breakfast and lunch may be provided by the OCSD FREE Summer meals program. Campuses with this program will be listed. Students may bring snacks or own lunch.

**Beginning LEGO Robotics Camp** (students entering grades 4<sup>th</sup> – 8<sup>th</sup>) This camp will allow the student to design and build a LEGO EV3 Robot and program the robot to complete certain tasks throughout the week. Students will learn about the programming structures as well as using sensors to detect distance and color. **Limit up to 20 students**

**Beginning Video Game Design/Coding** -- (students entering grades 6<sup>th</sup> – 8<sup>th</sup>) Learn all about the world of game development. Get a taste of all the disciplines that go into making games, while developing your skills to create your very own game. **Limit up to 20 students**

**\*\*\*NEW\*\*\* Taking Flight** – (students entering 6<sup>th</sup> - 8<sup>th</sup>) This year we introduce our flight camp that will give students a unique opportunity to explore the vast and exciting world of aviation. Participants learn about the dynamics of airplanes and the principles of flight during an immerse experience that showcases the broad spectrum of careers in the aviation industry.

### **Limit up to 20 students**

- **Activities Include:** Fly an advanced flight simulation device, Learn about airspace, navigation, flight planning and pre-flight checks, Model Glider Construction, Model Rocket Building and Launch.

**\*\*\*NEW\*\*\* Digital Video Production: Start a YouTube Channel** (for students entering 6<sup>th</sup> – 8<sup>th</sup>)

This course is great for those kids who are designers. Students will use HTML coding while designing their own Youtube channel. YouTube is the place to bring your innovative visions to life. Make vlogs, gamecasts, tutorials, and more to establish an online presence and dive into video production. Capture footage with camp cameras or student owned camera/phone and use tools like Corel to do photo editing and green screen productions. Put your creative endeavors together into a polished channel that's sure to draw followers. **Limit up to 20 students**

**\*\*\*NEW\*\*\* Ryze Up! Drone Camp** (for students entering 4<sup>th</sup> – 8<sup>th</sup> using block coding)

Drone Camp is about hands-on learning, innovation, coding and adventure. Come make friends, play creative games and jump in at the forefront of an emerging field. This one-of-a-kind summer camp is for anybody and everybody. No experience needed, great memories guaranteed! **Limit up to 15 students**

Campers will learn: (bring personal phone to use app)

- FAA rules and Regulations -- Students will learn a very basic overview of what the Federal Aviation Administration (FAA) is as well as the rules to fly a drone in the United States.
- Program autonomous flying
- Real Life Application Scenario – Search and Rescue
  - There's only 30 minutes of battery and you and your partner must deliver items to hurricane survivors! This fast paced activity involves maps, drones and teamwork. Campers will learn drone technology in this real life example.

**\*\*\*NEW\*\*\* Elementary STEMQuest Camp** -- (students entering into 3<sup>rd</sup>-5<sup>th</sup> grades)

StemQuest unplugs kids from the computer screen in this narrative-based hands-on STEM program. This camp will teach kids the scientific method and how to apply it to solve different puzzles. They will utilize life skills such as: design and systems thinking, collaborative problem solving, curiosity, mindfulness, and imagination to outwit, out-build, and out-smart the other team using the information they learned throughout the week to solve challenges. On the last day of camp teams are formed to work together to use information they learned throughout the week to “BreakOut” of the STEMQuest room. **Limit up to 25 students**

**These camps will be offered at the following sites.**

**STEMM Center – June 10<sup>th</sup> – June 13<sup>th</sup> 8:00 AM – 3:00 PM**

- **Classes offered:** Beginner Ev3 robotics, Taking Flight, Game Design, Elementary STEMQuest

**Davidson Middle School – June 17<sup>th</sup> – June 20<sup>th</sup> 8:00 AM – 3:00 PM**

- **Classes offered:** Beginner Ev3 robotics, Taking Flight, Game Design, Elementary STEMQuest

**STEMM Center – June 24<sup>th</sup> – June 27<sup>th</sup> 8:00 AM – 3:00 PM**

- **Classes offered:** Beginner Ev3 robotics, Ryze up! Drone Camp, Digital Video Production and Elementary STEMQuest

**Shoal River Middle School – July 29<sup>th</sup> – Aug. 1<sup>st</sup> 8:00 AM – 3:00 PM**

- **Classes offered:** Beginner Ev3 robotics, Ryze up! Drone Camp and Elementary STEMQuest

**Let's SPARK a  
PASSION together**