



# Montini Catholic High School Technology Summer Camps 2019

## VIDEO GAME CODING CAMP

A fun STEM-based camp for students entering grades 5, 6, 7, & 8. In five three-hour sessions, you will code your own unique playable video game that can be shared with family and friends. Campers will learn the basics of programming using the Scratch system. Scratch is a visual programming language developed by researchers at M.I.T.'s Media Lab as an engaging way to teach coding skills to students of all ages. Students need no prior programming experience to succeed and have fun coding with Scratch in this camp. **Limited to 20 campers per session.**

**Dates: Monday, June 10th - Friday, June 14th**  
**Time: 9:00 AM - 12:00 PM**

*Ages: Grades 5-8*  
*Cost: \$145 per student*

## ROBOTICS CAMP

A STEM-based camp for students entering grades 5, 6, 7, & 8. Have you ever wanted to create a robot and code it to carry out useful tasks? Would you like to have your robot compete against other robots? If your answer is, "Yes!", then this camp is for YOU! In five three-hour sessions you will create several different robots and program them to complete various useful tasks. We will build and code using LEGO's EV3 robotics kits. Previous Scratch or LEGO EV3 experience is recommended but not required. **Limited to 20 campers per session.**

**Dates: Monday, June 10th - Friday, June 14th**  
**Time: 1:00 PM - 4:00 PM**

*Ages: Grades 5-8*  
*Cost: \$145 per student*

## FLYING ROBOT DRONE CAMP

A STEM-based camp designed to let your coding skills soar! We will be using the Tello drone system to write Scratch and Python code that will guide your drone through various challenges and competitions. You will code for several kinds of drone missions; flight control, taking photos, picking up and carrying objects, trick flying and more! Your robot will eventually be ready to join the swarm and perform aerial acrobatics. You will also learn about drone safety and the future of robotic flight. Previous Scratch or LEGO EV3 experience is recommended but not required. **Limited to 18 campers per session.**

**Dates: Monday, June 17th - Friday, June 21st**  
**Time: 9:00 AM - 12:00 PM**

*Ages: Grades 6-9*  
*Cost: \$145 per student*

## ADVANCED ROBOTICS CAMP

A challenging and competitive STEM-based camp for students entering grades 6, 7, 8, & 9. This camp offers building and coding challenges that will stretch and test your robotics engineering skills. You will create three different robots and program them to complete five complex and demanding challenges. We will build using LEGO's latest EV3 robotics kits and use two programming languages to control the robots. Previous Scratch or LEGO EV3 experience is recommended but not required. **Limited to 18 campers per session.**

**Dates: Monday, June 17th - Friday, June 21st**  
**Time: 1:00 PM - 4:00 PM**

*Ages: Grades 6-9*  
*Cost: \$145 per student*

