

# San Joaquin County Office of Education

# STEM CAMPS

## SUSD Extended Learning Opportunities for Students at the SJCOE

### **Introduction to Engineering with LEGO WeDo**, SJCOE FabLab | June 7 - 9, 2023, 9:00AM - 2:30PM | Grades 3-5

Students at this workshop will have fun learning to build and program LEGO WeDo robotic devices, exploring engineering concepts and creating the code to have them perform desired behaviors. Register: <https://conta.cc/3JabyxA>

### **Coding Fun**, SJCOE WEC - Harmony Grove | June 28-30, 2023, 9:00AM-2:30PM | Grades 3-5

Kids can start programming in elementary school! Scratch, an object-oriented programming language, is capable of doing all sorts of computer tasks, even designing or modifying classic video games! Register: <https://conta.cc/3kYrgCg>

### **Introduction to Engineering with LEGO WeDo**, SJCOE WEC - Harmony Grove | July 13 - 17, 2023, 9:00AM - 2:30PM | Grades 3-5

Students at this workshop will have fun learning to build and program LEGO WeDo robotic devices, exploring engineering concepts and creating the code to have them perform desired behaviors. Register: <https://conta.cc/3KWWnZS>

### **Game Engineering with Nintendo Switch and Sphero**, SJCOE FabLab | July 21 - 25, 2023, 9:00AM-2:30PM | Grades 3-5

The Nintendo Switch and Sphero are electronic devices, that can be programmed. With Nintendo Labo, some coding, and a giant makerspace, kids can engineer fun inventions using these powerful toys. Register: <https://conta.cc/3JfsrHa>

### **Coding Fun**, SJCOE WEC - Harmony Grove | July 21 - 25, 2023, 9:00AM-2:30PM | Grades 3-5

Kids can start programming in elementary school! Scratch, an object-oriented programming language, is capable of doing all sorts of computer tasks, even designing or modifying classic video games! Register: <https://conta.cc/3JiNh8u>

**LEGO Engineering for Elementary**, SJCOE WEC | July 24 - 25, 2023, 9:00AM - 2:30PM | Grades 3-5  
LEGO robotics is a simple way for students to get started coding and engineering with fun toys that are also powerful electronics. Register: <https://conta.cc/3SUFOHR>

### **Cardboard Arcade Engineering**, SJCOE FabLab | July 28, 2023, 9:00AM-2:30PM | Grades 3-5

Arcade systems are marvels of engineering, from their mechanical components to their structural ingenuity. An arcade allows the player to explore an alien world, race around a track or achieve a sport. While classically arcades are made out of wood, we can use cardboard as a chance for students to start learning engineering and coding concepts as they design arcade systems using makecode arcade and the circuit playground express. Register: <https://conta.cc/3mjkvr1>

