San Joaquin County Office of Education



Engineering in a Virtual World with Minecraft Education, WEC- Harmony Grove July 7-9, 2025, 9:00AM-2:30PM | Grades 5-8 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://bit.lv/FLminecraft25

Introduction to Engineering with LEGO, WEC - Harmony Grove | July 10-14, 2025, 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://bit.ly/FLintrotolego25

<u>Game Engineering with Nintendo Switch and Sphero</u>, SCJOE Fab Lab | July 15-17, 2025, 9:00AM - 2:30PM | Grades 6-8 The Nintendo Switch and Sphero are electronic devices, that can be programmed. With Nintendo Labo, some coding, and a giant makerspace, students can engineer fun inventions using these powerful devices. Register: https://bit.lv/FLnintendosphero25

Engineering for Life, WEC - Harmony Grove | July 15-17, 2025, 9:00AM - 2:30PM | Grades 6-8

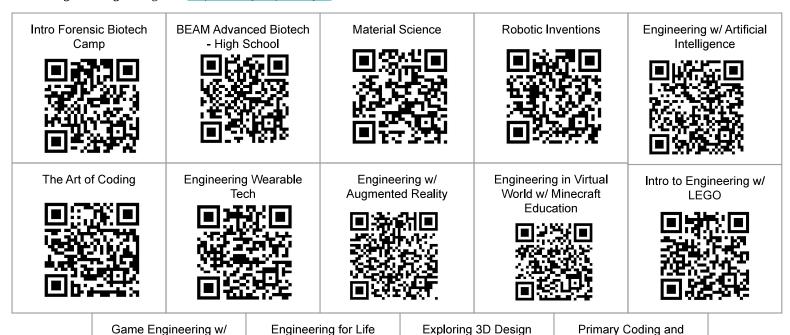
This camp focuses on how students can use engineering, data, and AI to maintain ecosystems and agriculture. Students will program LEGO robots, investigate biological systems, and gather and analyze environmental data. Register: https://bit.lv/FLengineerlife25

Exploring 3D Design, WEC - Harmony Grove | July 18-22, 2025, 9:00AM - 2:30PM | Grades 3-5

Students will use computer science and technology to make 3D models. Skills will include coding, and computer aided design. Technology will include Nintendo Augmented reality and Zspace. Register: https://bit.ly/FL3Ddesign25

Primary Coding and Robotics, WEC - Harmony Grove | July 18-22, 2025, 9:00AM - 12:30PM | Grades 1-2

Students will write basic code in fun activities, program small robots for motion and interaction and explore engineering through building challenges. Register: https://bit.ly/FLprimary25





Nintendo Switch &

Sphero

Contact: SJCOE STEM Programs, (209) 468-4880

Robotics