

San Joaquin County Office of Education

STEM CAMPS

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.ly/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>

Game Engineering with Nintendo Switch and Sphero, 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.ly/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.ly/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>

Intro Forensic Biotech Camp 	BEAM Advanced Biotech - High School 	Material Science 	Robotic Inventions 	Engineering w/ Artificial Intelligence 
The Art of Coding 	Engineering Wearable Tech 	Engineering w/ Augmented Reality 	Engineering in Virtual World w/ Minecraft Education 	Intro to Engineering w/ LEGO 
Game Engineering w/ Nintendo Switch & Sphero 	Engineering for Life 	Exploring 3D Design 	Primary Coding and Robotics 	



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