

Discovery Group Lego Robotics Summer Camps, 2022

Who: two age groups – **Builders** – children entering grades 1-3 and **Engineers** – children entering grades 4-7.

Where: camps meet in rooms at Westminster Congregational UCC Church at corner of 4th Avenue and Washington Street, near downtown Spokane

When: Monday – Friday from 9:00 am – 2:30 pm

Cost: \$175.00 week

Registration: [download form](#) – www.discoveryrobots.org / molly.z@comcast.net

July 18-22, 2022 = Mission Mars Exploration Camp

Builders – children entering grades 1– 3:

Your task this week is to build and program a Mars rover to explore the surface of Mars. The Builder group will design and build crew quarters, an energy source, in addition to vehicles to explore Mars landscape.

Engineers – children entering grades 4 - 7:

Engineers will build Spike Prime/EV3 rovers to gather rocks to study, search for water, and rescue Opportunity, the rover which went silent during the last dust storm, and other tasks related to Curiosity and Perseverance rovers currently working on Mars.

July 25-29, 2022 = Lego Challenge Camp

Builders – children entering grades 1– 3:

Campers will be challenged to design a motorized or simple machine model that can meet a daily challenge involving levers, gears, pulleys, wheels & axels and programming WeDo models.

Engineers – children entering grades 4 - 7:

Campers will build a robot with Spike Prime/EV3 programmable bricks and program it to meet increasingly difficult challenges, following mazes, using sensors, following lines, and writing computer code/programs to solve tasks on the First Lego League “Re-PLAY” robot game board.

The camps will meet in several rooms on the second floor of Westminster Congregational UCC Church building. (4th & Washington) Enter on 4th Avenue east door. Campers need to bring along a sack lunch. The whole group will walk to the Cowley Park (6th + McClellan) for lunch and a play break outside during the lunch hour. Camps are organized and led by experienced Spokane Region FLL Teacher/Coaches. Camps will follow current COVID-19 protocols with daily health checks, social distancing and masks, and hand-washing/sanitizing.