

Lego Robotics Summer Camps by FIRST Lego League Coaches

Where: Meets at Westminster Congregational UCC Church

411 South Washington Street (4th and Washington Streets)

Spokane, WA 99204

Hours: 9:00 am – 2:30 pm Cost: \$130.00 week

For Registration form go to: <http://discoveryrobots.org> or call 509-448-2291 for information.

Each week has two groups of 12 campers: Builders for children entering grades 1 - 3 and Engineers for children entering grades 4 - 6.

June 20 - 24, 2016

Theme Week: Mission to Mars – Your mission this week will be to establish/set up the first base on Mars with Crew quarters, a greenhouse, and energy source. We will be exploring the surface of Mars with our rovers. The emphasis of this week is design and building.

Builders – children entering grades 1– 3:

Campers will use Lego plates, beams and bricks, motors, solar panels, gears, and levers, to design and build Lego space rovers, and other tools to explore gravity, living in space and setting up a base needing energy, and rescue fellow astronauts.

Engineers – children entering grades 4 - 6:

Campers will design a rover to explore the surface of Mars and work together with the NASA Science Lab Curiosity to locate a site for a first Mars base, gather rocks for analysis and search for a water source. Each day will involve a new mission and communications with Earth. Campers will be designing new attachments and doing programming as well.

July 18 - 22, 2016

Challenge Week: Lego Pentathlon/FLL Challenge with the emphasis on programming the robots

Builders – children entering grades 1– 3:

Campers will be challenged to design a motorized or simple machine model that can meet a daily challenge. They will use Lego beams, bricks, wheels and axels, gears, pulleys, motors, levers and imagination to build their solutions; introduction to WeDo programming.

Engineers – children entering grades 4 - 6:

Campers will build a robot with EV3 or NXT programmable bricks and program to meet challenges of mazes, climbing an incline, using sensors, following lines, and programming to meet missions on the First Lego League World Class FLL Robot Game mat and models board.

The camps will meet in several rooms in the upstairs of the church building. Enter on 4th Avenue east door. Campers need to bring along a lunch. The whole group will walk to the Cowley Park (6th + McClellan) for lunch and a play break outside during the lunch hour. There will be a gathering for parents at the end of the week from 2:00 – 3:00 pm, Friday.

Register early, deadline June 10, 2016.