

Discovery Group Lego Robotics Summer Camps, 2021

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: \$150.00 week

Registration: [download form](#) – www.discoveryrobots.org / lorna.kropp@gmail.com

July 19-23, 2021 = Lego Robot Zoo Camp

Builders – children entering grades 1– 3:

Your task this week is to design and build animals made of Legos. We will explore ways to make the animals move, swim, crawl, hop and more using, bricks, beams, gears, motors, wheels, sliders and WeDo. We will also build the habitats for the animals to live in the Zoo.

Engineers – children entering grades 4 - 7:

Your task this week is to design, build and program a Lego robot animal who moves around to find food, uses sensors to avoid enemies, and care for young. You will also build a habitat for your animal to “live” in. Engineers will use *Lego Mindstorms EV3* programmable bricks.

July 26-30, 2021 = 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 EV3 programmable bricks and program it to meet increasingly difficult challenges, following mazes, using sensors, following lines, and EV3-G programming to meet missions to retrieve models or push them into place on the First Lego League “Into Orbit” 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.