

SUMMER CAMP 2026

LITTLE EXPLORERS

AGES 4-6



WEEK	STEM CHALLENGE 9:30AM - 10:30AM	ROBOTICS MISSIONS 10:45AM - 12:15PM	CREATIVE CODING 12:45PM - 2:00PM
Week 1 Jul 6 - Jul 10	Sun Scientists Children use the sun as their main scientific tool. From painting with sunlight to popping balloons with a magnifying glass, every activity reveals what our most powerful energy source can really do.	Robot Friends Using ICBlocks Children bring robot animals and characters to life with screen free coding. They build a Robodog that responds to movement and a Dancing Robot that grooves to sound, just snap and go.	Mindful Movers Children program mTiny through a calm, story-led map exploring feelings, kindness, and gratitude. Movement, empathy, and mindfulness come together as children code with intention and heart.
Week 2 Jul 13 - Jul 17	Colour Detectives Children uncover the secret science hiding inside every colour. From separating inks with water to stacking rainbow density layers, they discover that colour is never quite what it seems.	Fun Fair Robots! Children build motorised fun fair rides like spinning carousels, swinging rides, and twirling teacups with SPIKE Essential. They program each ride to start, stop, and change speed, just like a real fun fair.	Story Animators Children create animated stories on Scratch Junior by choosing characters, adding movement, and making things happen with a tap. Code meets creativity and storytelling in one vibrant session.
Week 3 Jul 20 - Jul 24	Power Lab Children explore electricity, light, and magnetism through exciting hands on experiments. They will make tissue ghosts dance with static, light up a greeting card, and project a 3D hologram from a phone screen.	Creatures & Machines Using WeDo 2.0, children build moving creatures and clever machines. From a snapping dinosaur to a dancing crab, each model comes alive with a motor and a simple program the children write themselves.	Circuit Makers Children snap together real electronic circuits to light up bulbs, trigger buzzers, and power fans. A hands on introduction to electricity, cause and effect, and how the devices around us actually work.
Week 4 Jul 27 - Jul 31	Animal Superheroes Children build animals that actually move and behave like the real thing. From a woodpecker that pecks its way down a stick to a frog that always rights itself, every creature has a science superpower.	City Builders! Children engineer the vehicles and machines that keep a city moving; taxis, helicopters, ferries, and cable cars all built and programmed with SPIKE Essential. They discover how robots do real jobs every day.	Money Smart Children program KUBO through a custom market map, earning coins, making choices between needs and wants, saving up, and spending wisely. Financial literacy delivered one coding step at a time.

Camp timings: 9:30am to 2pm
Drop-off timings: 8:30am onwards

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Week 5 Aug 3 - Aug 7	 Mad Scientists Children mix, fizz, bubble, and explode their way through chemistry this week. From self inflating balloons to smoke filled bubbles and fizzing color bombs, this is the week that feels like real magic.	 Heroes at Work Children build robots that help and protect with ICBlocks, a firefighter that navigates a rescue map, an elevator that stops at the right floor, and a racing car steered by body movement. Real robots, real missions.	 Stay Safe! Children program mTiny to navigate its built-in road safety map, complete with roads, hospitals, police stations, and schools, programming safe routes and delivering heroes where they are needed most.
Week 6 Aug 10 - Aug 14	 Makers & Movers Children design and build things that spin, launch, perform, and move. From paper cup rockets to a puppet theatre, this week combines engineering with creativity and plenty of dramatic flair.	 Adventure Explorers! Children build explorer vehicles with SPIKE Essential; boats, arctic snowmobiles, and underwater quest machines programming them to navigate through scenes and complete daring missions.	 Digital Detectives Children create a Scratch Junior story about a young digital warrior who protects their password, stands up to unkind behaviour online, and always tells a trusted adult. Cyber safety through storytelling.
Week 7 Aug 17 - Aug 21	 Little Engineers Children tackle real engineering challenges using simple everyday materials. They will build towers, design parachutes, construct bridges, and float boats, testing, failing, and redesigning just like real engineers do.	 Wild Explorers Children build and program wild animal robots with WeDo 2.0; a sweeper, a motorboat, and Milo the Science Rover, wrapping up the cycle with their most independent and creative builds yet.	 Code & Celebrate! Children choose their favourite tool: KUBO, mTiny, or Scratch Junior and create a mini project to share with friends. A joyful, child led showcase to close the camp on the highest note possible.
Week 8 Aug 24 - Aug 28	 Air Explorers Children discover the invisible power of air through 5 hands on activities. They will build windmills, horns, and updraft towers, watching things spin, fly, & move powered by nothing but air.	 Bot Builders Children build and program moving robots using SPIKE Essential, discovering how sensors make robots react to the world around them, stopping at edges, detecting objects, and responding to color.	 Code Your World Children use KUBO's TagTile cards to program a robot along a map. Sequencing, direction, and problem solving all without a screen, all through hands on play.

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