

SPRING CAMP 2025

PURE
MINDS
ACADEMY



ROVE
DOWNTOWN DUBAI

LITTLE EXPLORERS

AGES 4-6

Week	Activity 1 (9:30 to 10:30 am)	Activity 2 (10:45 am to 12:15 pm)	Activity 3 (12:45 to 2 pm)
Week 1 24 - 28 Mar 2025	<u>2x2 Rubik's Cube Wizards</u> Introduce young minds to the magic of solving a <u>2x2 Rubik's cube</u> ! With simple moves and colourful patterns, this delightful challenge fosters logic and coordination in a playful way	<u>Jungle Adventures with KUBO</u> Discover the wild through <u>coding with KUBO's</u> coding activities like animal encounters, safari storytime, scavenger hunt, and obstacle course designed to enhance coding skills and understanding of the natural world.	<u>Exploring Animal Habitats with LEGO WeDo</u> Children will build simple models of animals using the <u>LEGO WeDo Kit</u> . They'll explore different animals and their unique features This activity promotes creativity, fine motor skills, Through interactive play.
Week 2 2 - 4 Apr 2025 (3 Days Only)	<u>Water Wonders: Splash, Sink & Fizz</u> Young scientists will explore the wonders of water through <u>hands-on experiments</u> ! They'll mix colours, test which objects sink or float, make raisins dance in fizzy water, and rescue frozen toys with salt, learning science in a fun and interactive way.	<u>Magical Adventures of mTiny</u> Explore interactive fun with activities like Animal Safari, Emotional Expressions Storytime, shape sorting puzzles, robot dance parties, and <u>mTiny</u> races.	<u>STEM Fairy Tales</u> <u>Design and engineer</u> an engineering solution to the problem of the central character in popular fairy tales like designing a house for the Three Little Piggies that can withstand the huffs and puffs of the 'wolf'
Week 3 7 - 11 Apr 2025	<u>Magnet Magic: Attract, Repel & Explore</u> Kids will explore the wonders of <u>magnetism</u> through fun, hands-on activities.	<u>Robo City: Build & Explore!</u> Using the <u>LEGO Spike Essential Kit</u> , with The children will create their own city with different robotic elements, learning basic engineering and coding concepts while having fun	<u>Around The World</u> <u>Learn about the famous landmarks around the world!</u> Travel through Australia, Italy, Egypt, Sweden and France, building the famous landmarks from these places.

Timings: 9:30am to 2 pm
Drop-off timings: 8:30am onwards
Break timings: 10:30am to 10:45am (short break)
12:15pm to 12:45pm (lunch break)

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SPRING CAMP 2025



ROVE
DOWNTOWN DUBAI

FUTURE READY

AGES 7-9

Week	Activity 1 (9:30 to 10:30 am)	Activity 2 (10:45 am to 12:15 pm)	Activity 3 (12:45 to 2 pm)
Week 1 24 - 28 Mar 2025	<u>Clean Water, Clear Future</u> Young scientists will design and test water filters, exploring filtration, absorption, and sustainability. Through <u>hands-on experiments</u> , they'll learn the importance of <u>clean water and real-world problem-solving</u> .	<u>Green Energy City - Building a Smart Eco-System</u> This theme allows children to explore how wind energy and solar power are integrated into a smart city or eco-system using <u>WeDo 2.0 robotics kit</u> , teaching them about sustainability while also providing hands-on learning about how renewable energy systems work.	<u>Space Lab: Sun, Moon, and Stars</u> Young explorers will <u>discover the wonders of space through hands-on activities!</u> They'll launch straw rockets, model moon phases, and act out Earth's rotation around the Sun to understand celestial movements in a fun and engaging way.
Week 2 2 - 4 Apr 2025 (3 Days Only)	<u>The Magic of Math</u> Kids will explore how shapes and math are everywhere! Through fun activities, <u>they'll create patterns, build 3D structures, and discover how geometry connects to science, art, and engineering.</u>	<u>Mega Machine Makers</u> Young inventors will explore the <u>LEGO Simple & Powered Machines kit</u> to build and test machines using gears, pulleys, motors, and levers. They'll create exciting projects like vehicles, cranes, and windmills, discovering how simple machines make life easier.	<u>Mega Machine Makers</u> (continued)
Week 3 7 - 11 Apr 2025	<u>Rubik's Cube Challenge</u> This exciting program includes hands-on learning, step-by-step solving techniques, pattern recognition, and friendly competitions, all tailored to make mastering the <u>Rubik's Cube</u> a fun and rewarding experience.	<u>Exploring Self-Driving Cars</u> Kids will dive into the world of autonomous cars and discover how robots, like self-driving vehicles, navigate and make decisions on their own! <u>They'll learn how real-world autonomous cars use sensors and programming to follow paths, avoid obstacles, and drive without human control.</u>	<u>Global Warming: The Pollution Catcher</u> Kids will <u>develop a Scratch game</u> , Learn about global warming by catching pollutants like carbon dioxide while avoiding eco-friendly items. Through gameplay, they'll discover the importance of reducing emissions and protecting our planet.

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SPRING CAMP 2025



ROVE
DOWNTOWN DUBAI

REAL-WORLD READY

AGES 10-14

Week	Activity 1 (9:30 to 10:30 am)	Activity 2 (10:45 am to 12:15 pm)	Activity 3 (12:45 to 2 pm)
Week 1 24 - 28 Mar 2025	<u>Rubik's Cube Challenge</u> This exciting program includes hands-on learning, step-by-step solving techniques, pattern recognition, and friendly competitions, all tailored to make mastering the <u>Rubik's Cube</u> a fun and rewarding experience.	<u>Sumo Showdown: Engineer, Code & Conquer</u> Students will design, build, and program <u>LEGO EV3</u> Sumo Robots to battle in the ring! Through hands-on challenges, they'll explore engineering, strategy, problem-solving, and teamwork while refining their robots' strength, speed, and intelligence.	<u>IoT Smart Home: Automate Your World</u> Dive into the world of <u>IoT</u> and learn how everyday home devices can be transformed into smart, connected gadgets
Week 2 2 - 4 Apr 2025 (3 Days Only)	<u>Aerospace Experiments</u> Participants will <u>explore key aerospace concepts through hands-on experiments</u> , discovering the science behind flight and space exploration.	<u>Aerospace App Development</u> Participants will learn how to <u>design and code their own mobile app using MIT App Inventor</u> . They will create an interactive aviation-themed app, applying basic programming skills like buttons, animations and sensors to engage with aerospace in a fun and hands-on way!	<u>Aerospace App Development</u> (continued)
Week 3 7 - 11 Apr 2025	<u>Game Design with Python</u> Master programming fundamentals through a <u>project-based learning approach</u> , creating daily projects with engaging <u>turtle graphics and game design</u> techniques.	<u>Game Design with Python</u> (continued)	<u>Game Design with Python</u> (continued)

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