

SPRING CAMP 2025



ROVE
DOWNTOWN DUBAI

PURE
MINDS
ACADEMY

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</u> with <u>KUBO</u> 's 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>Magnet Magic: Attract, Repel & Explore</u> Kids will <u>explore the wonders of 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> Learn about the famous landmarks around the world! Travel through Australia, Italy, Egypt, Sweden and France, <u>building the famous landmarks</u> 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

PURE
MINDS
ACADEMY

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> , <u>they'll learn the importance of 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>Global Warming: The Pollution Catcher</u> Kids will <u>develop 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. |
| 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) |

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SPRING CAMP 2025



ROVE
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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) |

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