

# SUMMER CAMP 2026

REAL WORLD READY

AGES 10-14



ROVE  
DOWNTOWN DUBAI

PURE  
MINDS  
ACADEMY

WEEK	BUILD & ENGINEER 9:30AM - 11:45AM	CODE & CREATE 11:45AM - 2:00PM
<b>Week 1</b> Jul 6 - Jul 10	<b>EV3 Robotics</b>  Students build five different EV3 robots across the week; line followers, maze navigators, robotic arms, and sumo bots. Each day is a new standalone build and challenge. The week ends with a live paddlebot race.	<b>Electronics Engineering</b>  Students build five real electronic systems; a cable car, solar tracker, irrigation model, wind turbine, and water wheel. Each project connects a motor or sensor to a working circuit.
<b>Week 5</b> Aug 3 - Aug 7	<b>Entrepreneurship with AI</b>  Students build a real business across five days; branding, sales, operations, finance, and HR using AI at every step. On Day 3 they laser-cut a physical product prototype. Friday is a live Shark Tank pitch.	<b>Electronics Product Build</b>  Students design and build a physical product prototype using the laser cutter and electronics. The brief is open sensor-driven device, motorised model, or smart circuit. The prototype goes on the table at the Friday pitch.
<b>Week 6</b> Aug 10 - Aug 14	<b>EV3 Robotics + DataBot</b>  Students build advanced EV3 projects; a forklift, drawbot, and bridge-crossing challenge while running a live environmental science lab with DataBot 2.0. Robotics and data science in one week.	<b>Python + DataBot Data Lab</b>  Students write Python scripts to process real DataBot sensor readings, calculating averages and plotting graphs with matplotlib. Code meets real-world data from the room they are sitting in.
<b>Week 7</b> Aug 17 - Aug 21	<b>Python Programming Week</b>  Students build two word games and three Turtle Graphics games entirely in Python. Every project introduces new concepts; functions, loops, events, and the random library. Five working programmes by Friday.	<b>Electronics Engineering</b>  Students build a working electronic project; cable car, water wheel, or wind turbine as a hands-on contrast to the coding session. Same concepts (input, output, control), different medium.
<b>Week 8</b> Aug 24 - Aug 28	<b>Unikobo Smart City</b>  Teams build a Smart City module for their assigned zone; hospital, school, park, or transport hub using Unikobo with at least two automated features and one live sensor output. Public showcase on Friday.	<b>Smart Electronics IoT</b>  Students wire their Smart City module with Micro:bit-powered electronics; automatic doors, light sensors, alarms, and fans. Laser-cut panels complete the build. Every sensor fires live at the Friday showcase.

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



+971 58 576 1450



[puremindsacademy.com](https://www.puremindsacademy.com)



[info@puremindsacademy.com](mailto:info@puremindsacademy.com)