# WINTER CAMP 2025



REAL WORLD READY AGES 7-9



Week

### Coding 9:30am to 10:30 am

**Creative Designing with** 

**Electronics** 

**Robotics** 10:45am to 12:15pm

**STEM** 12:45pm to 2pm

Week 1 8th to

12th Dec

## Kids will design and craft fun projects like glowing cards, decorative lights, and simple electronic creations. Through hands-on building and tinkering, they'll explore circuits, creativity, and problem-solving in a playful way!

# **Drones and Aerodynamics**

Children will build and control flying creations using Makeblock's Airblock. Through hands-on building and coding, they'll explore how design, air, and movement work together to make drones and hovercrafts soar!

# **Energized**

Explore how energy powers motion through fun hands-on builds like rockets, racers, and flying machines. Learn about potential, kinetic, and mechanical energy while designing exciting moving creations!

Week 2 15th to 19th Dec

## Al Bootcamp

Children will code projects that detect faces, objects, and emotions, discovering key Al concepts through hands-on coding fun.

#### Al Bootcamp

Kids will apply AI in robotics, building and programming robots that respond to their environment, combining creativity, technology, and problem-solving.

#### Al Bootcamp

Kids will create images, stories, and music using AI tools, exploring imagination and learning the basics of prompt engineering.

### Game Builder

Week 3 22nd to 26th Dec

Kids will create their own playable games, bringing stories and characters to life with points, levels, and feedback. They'll learn core coding concepts while having fun with logic, creativity, and problemsolving.

#### Game Builder

Kids will code, design, and **build** robots with LEGO Spike Prime, bringing games to life. They'll explore sensors, movement, and teamwork through hands-on challenges.

#### **Game Builder**

Kids will design games using logic puzzles, dice, and patterns, learning strategy and problem-solving. They'll explore STEM concepts through fun, hands-on challenges and creative thinking.

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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# WINTER CAMP 2025



LITTLE EXPLORERS

**AGES 7-9** 



			$\mathbb{A}^{\circ}\mathbb{K}$
Week	STEM 9:30am to 10:30 am	Coding 10:45am to 12:15pm	Robotics 12:45pm to 2pm
	<u>Energized</u>	Creative Designing with Electronics	Drones and Aerodynamics
<u>Week 1</u> 10th to 12th Dec	Explore how energy powers motion through fun hands-on builds like rockets, racers, and flying machines.  Learn about potential, kinetic, and mechanical energy while designing exciting moving creations!	Kids will design and craft fun projects like glowing cards, decorative lights, and simple electronic creations. Through hands-on building and tinkering, they'll explore circuits, creativity, and problem-solving in a playful way!	Children will build and control flying creations using Makeblock's Airblock. Through hands-on building and coding, they'll explore how design, air, and movement work together to make drones and hovercrafts soar!
	<u>Al Bootcamp</u>	<u>Al Bootcamp</u>	<u>Al Bootcamp</u>
<u>Week 2</u> 15th to	Kids will create images, stories, and music using AI tools,	Children will code projects that detect faces, objects, and	Kids will apply AI in robotics, building and programming robots

#### Game Builder

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learning the basics of prompt

engineering.

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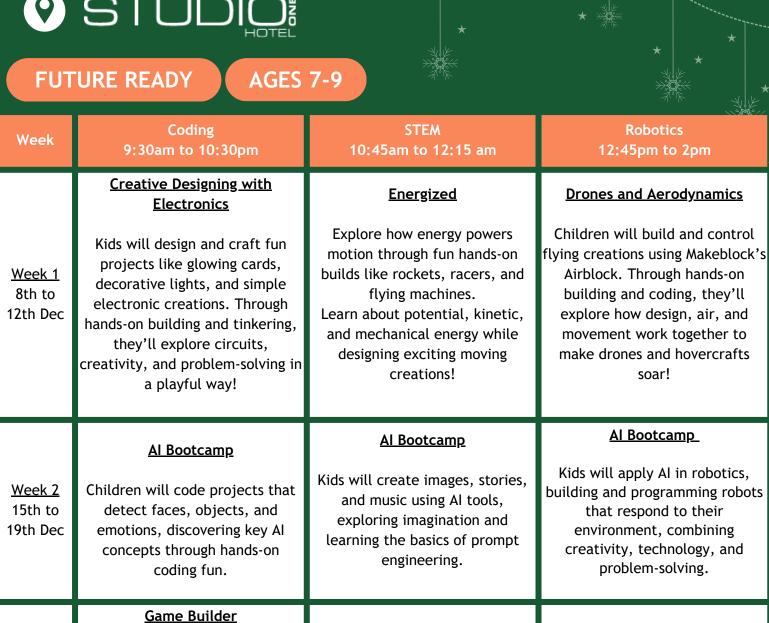
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