



Olive Tree Academy



Robotics Camp

Summer Holiday
January 2019



We integrate hardware engineering and software development concepts through robotics. By using an exploratory approach, we introduce robotics, coding and STEM principles to young minds.

Problem Solving & Coding with Sphero

This camp presents young minds with different challenges, they have to work in groups to solve the problems. This camp aims to cultivate student's creativity, critical thinking, problem-solving and collaboration skills.



Robotics with Lego Wedo 2.0



This camp introduces robotics and engineering concepts to young minds. Students get to build mechanical structures, code their behaviours and observe how they interact with the environment. By doing so, students learn to predict all possible scenarios and devise strategies correspond to those situations.



Enrol now! call 9411 4989 / sms 0488 161 989 /
Email camp@olivetreeacademy.com.au
Address: Suite 78 / 47 Neridah St Chatswood Village
Chatswood 2067 (Entrance at Oscar St)



Coding Camp

Summer Holiday January 2019



We use Scratch and MIT App Inventor, both are Visual Programming Language (VPL), which enable young minds to create animations, computer games and mobile apps without going into the complex programming syntax.



Creating Computer Games with Scratch



This introductory camp presents core elements of coding concepts and computer game design to young minds in an easy-to-understand way.



Scratch Coding

This camp cultivates students' problem solving skills through project-based learning. Students will learn the process of analyzing and breaking down problems into smaller solvable units when designing and building various games and animations.



Creating Mobile Apps

This camp introduces development of mobile apps (Android) with MIT App Inventor. Students get to deploy and test their apps on Android devices. It also covers basic coding concepts such as conditionals, variables, event-handler, function calls, etc.





Math Accelerator

Summer Holiday

January 2019

The Math Accelerator holiday class provides an ideal opportunity for students to catch up with math concepts in the previous school year and/or to prepare the topics in the coming school year.



The program caters to students' individual pace of learning. Whether they are behind in certain topics or they are well ahead of others, our individualised learning plan can reinforce their understanding on previous concepts or advance them to more challenging topics.

Fees

Class	Fee
Creating Computer Games with Scratch	\$45 per session (3 sessions)
Problem Solving & Coding with Sphero	\$45 per session (3 sessions)
Scratch Coding Level 1 & Level 2	\$45 per session (5 sessions)
Creating Mobile Apps	\$45 per session (5 sessions)
Robotcis with Lego WeDo 2.0	\$45 per session (5 sessions)
Math Accelerator (For Math Program: New Student 20% off, Early Bird Re-enrollment 15% off)	Year 1-2: \$60 per 1.5-hour session Year 3-4: \$65 per 1.5-hour session Year 5-6: \$80 per 1.5-hour session

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Schedule

January 2019

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
		Holiday	9:00-12:00 Creating Computer Games with Scratch 1:00-4:00 Problem Solving & Coding with Sphero 4:00-5:30 Math Accelerator	9:00-12:00 Creating Computer Games with Scratch 1:00-4:00 Problem Solving & Coding with Sphero 4:00-5:30 Math Accelerator	9:00-12:00 Creating Computer Games with Scratch 1:00-4:00 Problem Solving & Coding with Sphero 4:00-5:30 Math Accelerator	Math Accelerator Math Accelerator Math Accelerator
6	7	8	9	10	11	12
	9:00-12:00 Scratch Coding Level 1 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 1 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 1 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 1 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 1 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	Math Accelerator Math Accelerator Math Accelerator
13	14	15	16	17	18	19
	9:00-12:00 Scratch Coding Level 2 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 2 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 2 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 2 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	9:00-12:00 Scratch Coding Level 2 1:00-4:00 Robotics with Lego Wedo 2.0 4:00-5:30 Math Accelerator	Math Accelerator Math Accelerator Math Accelerator
20	21	22	23	24	25	26
	9:00-12:00 Creating Mobile Apps 1:00-4:00 Robotics with Lego Wedo 2.0 / Scratch Coding Level 2 4:00-5:30 Math Accelerator	9:00-12:00 Creating Mobile Apps 1:00-4:00 Robotics with Lego Wedo 2.0 / Scratch Coding Level 2 4:00-5:30 Math Accelerator	9:00-12:00 Creating Mobile Apps 1:00-4:00 Robotics with Lego Wedo 2.0 / Scratch Coding Level 2 4:00-5:30 Math Accelerator	9:00-12:00 Creating Mobile Apps 1:00-4:00 Robotics with Lego Wedo 2.0 / Scratch Coding Level 2 4:00-5:30 Math Accelerator	9:00-12:00 Creating Mobile Apps 1:00-4:00 Robotics with Lego Wedo 2.0 / Scratch Coding Level 2 4:00-5:30 Math Accelerator	Math Accelerator Math Accelerator Math Accelerator