

16th March 2019

June Holiday Camps at Gifted & Talented Education, R²D² Lab & Win With Words

Dear Parents,

We have lined up a series of exciting and stimulating holiday activities to engage your child to the fullest during the June holidays.

Our action-packed courses, from our latest *Synergistic STEM camp* to *gifted programme camp*, are all designed with our high-ability learners in mind, ensuring that they are engaged meaningfully throughout the month-long term break.

Based on popular demand, we have expanded our NMOS camp to a 2-part series camp for those aiming to excel in 2019 NMOS competition. We are also offering our popular GEP & DSA interview courses this June for those who want the best preparation for their child! Don't miss it!

Schedule of June 2019 camps as follows:

Week 1: 4 June 2019 – 8 June 2019				
Camps	Bukit Timah Plaza (BT)	Katong V (KV)	Dempsey (DS)	Forum (FR)
Junior Gifted Camp (3 in 1) (N1-K2)			10.00 am – 12.30 pm	
Junior Olympiad Math & Science Camp (P1-P2)		10.00 am – 12.00 pm		10.00 am – 12.00 pm
Classroom to Boardroom Expresso Junior Camp	12.30 pm – 2.30 pm	12.30 pm – 2.30 pm		
Creative Writing Junior Camp		1.00 pm – 3.00 pm		
Creative Writing Senior Camp	10.00 am – 12.00 pm			
GEP Camp (P3)	10.00 am – 3.00 pm	10.00 am – 3.00 pm		10.00 am – 3.00 pm
NMOS Part 1 Camp (P4-P5)		10.00 am – 12.30 pm		

Week 2: 11 June 2019 – 14 June 2019				
Camps	Bukit Timah Plaza (BT)	Katong V (KV)	Dempsey (DS)	Forum (FR)
Junior Gifted Camp (3 in 1) (K1-K2)			10.30 am – 1.00 pm	
Classroom to Boardroom Espresso Junior Camp		10.00 am – 12.00 pm		
Creative Writing Junior Camp		10.00 am – 12.00 pm		
Creative Writing Senior Camp I		10.00 am – 12.00 pm		
AMC Camp (P3-P4)				1.00 pm – 3.00 pm
NMOS Part 1 Camp (P4-P5)	10.00 am – 12.30 pm			10.00 am – 12.30 pm
DSA Interview Camp (P6)	10.00 am – 1.00 pm			
PSLE English Camp (P6)	10.00 am – 12.00 pm			
PSLE Math Camp (P6)	1.00 pm – 3.00 pm			
PSLE Science Camp (P6)	3.15 pm – 5.15 pm			

Week 3: 25 June 2019 – 28 June 2019				
Camps	Bukit Timah Plaza (BT)	Katong V (KV)	Dempsey (DS)	Forum (FR)
Junior Gifted Camp (3 in 1) (N1-K2)			10.30 am – 1.00 pm	
Junior Olympiad Math & Science Camp (P1-P2)	10.00 am – 12.00 pm			
GEP Camp (P3)	10.00 am – 3.00 pm	10.00 am – 3.00 pm		
AMC Camp (P3-P4)				10.00 am – 12.00 pm
NMOS Part 2 Camp (P4-P5)	12.30 pm – 3.00 pm	12.30 pm – 3.00 pm		12.30 pm – 3.00 pm
DSA Interview Camp (P6)		3.30 pm – 6.30 pm		
PSLE English Camp (P6)		10.00 am – 12.00 pm		
PSLE Science Camp (P6)		1.00 pm – 3.00 pm		

Junior Gifted Camp (N1-K2 in 2019)

Learning Objectives:

The best of our Shakespeare, Einstein and Da Vinci programmes for pre-schoolers.

Shakespeare: English Language Arts & Humanities

Einstein: Mathematical Reasoning & Science

Da Vinci: IQ stretcher, general knowledge, visual and spatial reasoning

Junior Olympiad Math and Science Camp (P1-2 in 2019)

Learning Objectives:

Develops critical thinking skills to prepare children for future Olympiad math and science competitions and high ability tests. The camp focuses on problem-solving skills and includes a strong combination of both IQ Math and Science components to engage children in a holistic learning environment.

Classroom to Boardroom Junior Camp – Public Speaking: Say It With Confidence! (P1-3 in 2019)

Research shows that having to speak in public ranks high on many people's list of fears. This camp aims to help your child take steps towards overcoming that fear. They will learn techniques on how to calm those butterflies in the stomach, how to write an impromptu speech and how to present a short speech with confidence. They will also have developed basic skills on research, critical thinking and writing speeches to suit their own voice.

Learning Objectives:

- breathing and preparation tips to cope with nerves
- research techniques before writing a script
- elements of good speech writing
- presentation skills; how to improve body language, eye contact, tone, volume, pronunciation & enunciation

English Creative Writing Camp (Junior / Senior)

Learning Objectives:

Equip children with writing skills that are suitable for both school-based requirements as well as personal development. The camp will bring students through the creative writing process (plot development & characterization) to help them to develop their individual writer's voice and craft out their own unique short stories independently.

GEP Exposure Math & English Camp (P3 in 2019)

Learning Objectives:

Develops critical thinking skills to prepare students for 201 P3 GEP General Ability & selection test. The camp will cover key mathematical reasoning concepts such as classification skills, sequencing, spatial reasoning & abstract visual reasoning. Students will hone their reading skills in challenging comprehension texts and cloze passages. This intensive camp also aims to expose students to a good range of Math & English general ability questions.

AMC Camp (P3-4 in 2019)

Learning Objectives:

Prepares children for Australian Math Competition (World's largest school-based Math competition held internationally).

NMOS Prep Camp (P4-5 in 2019)

Learning Objectives:

Prepares children for NMOS Competition (Math competition organized by NUS High School).

DSA Interview Camp (P6 in 2019)

Learning Objectives:

Prepares students for the Direct School Admission (DSA) interviews. They will be exposed to scenarios they may encounter during the DSA interview sessions. This will instil confidence in them as they face any challenging interview scenarios.

Overview of the topics:

- Crafting the answers to the routine and non-routine interview questions (a list of questions will be provided).
- How to create impression and impact
- Crisis management during DSA interview

- Interview Techniques
- Rehearsal, Rehearsal, and Rehearsal (simulated panel interviews)

PSLE English Camp (P6 in 2019)

Learning Objectives:

This intensive camp focuses on preparing students for the PSLE English paper 2 based on common mistakes made in the grammar, vocabulary and editing sections. This camp will also equip students with strategies to tackle the different kinds of questions in the open-ended comprehension section.

PSLE Math Camp (P6 in 2019)

Learning Objectives:

Prepares students for optimal performance in the PSLE Math paper. The camp will expose students to complex Math components to develop their critical thinking skills, and students will be equipped with strategies to tackle more challenging questions.

PSLE Science Camp (P6 in 2019)

Learning Objectives:

This PSLE A* driven camp focuses on helping students craft structured and comprehensive answers to challenging questions in the Science paper. Keyword drills and effective question analysis skills will enable students to score in the open-ended section.

STEM Camp @ Forum, Orchard

By R²D² Lab

Camps	04 June – 08 June	11 June – 14 June	25 June – 28 June
Gateway to Robotics Camp (P1-P2)	1.30 pm – 4.00pm	1.30 pm – 4.00pm	1.30 pm – 4.00pm
Scratch Coding Basics (P1-P2)	10.00 am–12.30 pm	10.00 am–12.30 pm	10.00 am–12.30 pm
Game Design with Scratch (P3-P4)	1.30 pm – 4.00pm	1.30 pm – 4.00pm	1.30 pm – 4.00pm
Your First Arduino Robot Camp (P3-P4)	10.00 am–12.30 pm	10.00 am–12.30 pm	10.00 am–12.30 pm
Robot Makers with Graphic Arduino Camp (P5 & above)	10.00 am–12.30 pm	10.00 am–12.30 pm	10.00 am–12.30 pm
Python Explorers Camp (P4 & above)	1.30 pm – 4.00pm	1.30 pm – 4.00pm	1.30 pm – 4.00pm

Programme Introduction

Gateway to Robotics Camp (P1-P2)

This camp serves as an entry course for students to step into the world of robotics. In this camp, students will understand the fundamental ideas about robotics and programming, and they will prototype something unique themselves. Students will not only learn basic programming functions such as loop for repeated operations, conditional branching to implement different selections, but learn to control sound, colourful light generation, motion, etc. Finally, students will build the prototypes using parts not from the off-the-shelf robot kits, but electronic boards, wires and 3D-printed parts. They must be proud to see their own products working at home.

Fees: \$\$450 + \$50 material fees, early bird \$420+\$50. (GST applies)

Scratch Coding Basics (P1-P2)

This camp serves as an entry course for students without any programming exposure. Scratch is a visual programming language that will kickstart the students' interest in coding. In this camp, students will understand the fundamental ideas about computers and programming. They will learn how to conduct repetitive tasks using loops, how to branch code based on different decisions, and how to handle reaction to various event triggers. After the camp, students can develop some basic problem-solving and program design skills to tackle complex problems.

Fees: \$450, early bird \$420. (GST applies)

Game Design with Scratch (P3-P4)

If kids want to play video games, why not ask them to design their own first? With Scratch fundamental knowledge learned, your kids can combine game design theory and techniques with more advanced Scratch programming elements to create games for themselves and for their peers. In this camp, students will learn advanced Scratch functions like scenes transitions, broadcast, blocks creation, etc. They will also learn the fundamentals of digital game design process such as main concept definition, context and environment, rules, play mechanics, etc. Equipped with the power of coding and game design theory, students are all set to develop their own cool games!

Prerequisite: Scratch Level 1 or equivalent

Fees: \$450, early bird \$420. (GST applies)

Your First Arduino Robot (P3-P4)

In this camp, it is very likely that, for the first time, students will build a robot of their own without using LEGO. Instead, they will use Arduino, an open-source platform widely used by students from primary school all the way to universities to make things.

In this camp, students will learn the Arduino fundamentals using a graphic programming interface to avoid the confusing and complex text-based programming. This is a fantastic first step into the robot building and programming on top of this popular platform. Students will understand fundamental ideas about embedded system, learn the necessary components in robots such as sensing, control and action, and build a brand-new laser balloon shooting game to have fun with their peers!

Students are recommended to bring their own laptops so that it is easier to continue development after the camp.

Fees: \$450 + \$50 material fees, early bird \$420+\$50. (GST applies)

Python Explorers (P4 & above)

Python is 2018 'Language of the Year' and one of the top three programming languages chosen by professionals! Python programming is widely used in Big Data Analysis, Artificial Intelligence, Machine Learning, and it has always been favoured for its simple syntax and ease of use. Well, it is text-based, and students need to key in the commands one by one but come find out how easy it is to understand and learn Python to level up your coding skills! In this camp, students will learn basic syntax and coding structure, how to conduct repetitive tasks using loops, how to branch code based on different decisions. After the camp, students will walk away with the ability to read, analyse and construct simple Python programs and be ready for the next level of development.

**Students need to bring their own laptops.
Fees: \$450, early bird \$420. (GST applies)**

Robot Makers with Graphic Arduino (P5 & above in 2019)

Robots are all about sensors for environment information gathering, control unit as brain for information processing and decision making, and action mechanism to execute the decisions from brain. With the powerful Arduino platform, abundant supporting circuit modules and the easy-to-use graphic programming interface, students are all set to start the challenging but fascinating robot making journey. In this camp, students will learn some advanced coding features for Arduino platform, and design, build and test prototypes such as Morse code decipher, chameleon, etc.

**Students need to bring their own laptops.
Fees: \$500 + \$80 material fees, early bird \$470+\$80. (GST applies)**

Registration

Registration is open so do book early to get your preferred slots. Together, we hope to make the June holidays enriching and meaningful for your child!

Please contact us at 6467 1369 / 6438 0062 / 6732 2105 for more information.

Yours faithfully,

Management Team of Gifted & Talented Education and R2D2 Lab

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