

# june holiday 2023

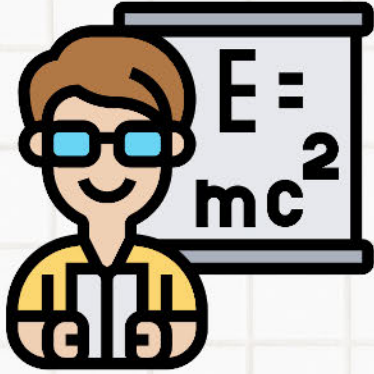
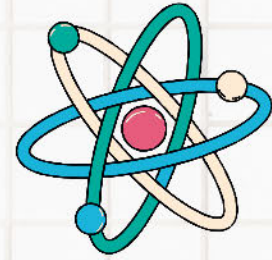
WORKSHOPS AND CLASSES



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math & science



JUNE HOLIDAY 2023



# JUNIOR PHYSICIST

Have you wondered how you can go 360 degrees on a roller coaster and not fall off the track? Why does the pirate ship swing steeper at each move? What goes on behind an accelerator ride?

Join us as we unpack these mysteries while learning about three big topics found in MOE Secondary 2 science & upper primary school science syllabus, the laws of Newton and engage in a whirling good time of hands on experience and take home materials!

Coach Crystal is a science enthusiast who's passion for science is contagious, especially for kids who find her experiments fascinating and enjoyable. Her experiments are often unconventional, wacky and popular with children who appreciate her unique approach to teaching science. Her enthusiasm and dedication to her work make her a beloved figure among her students, and she has a mysterious ability to spark an interest in science among children.

Dates: 8 June (Thurs) or 13 June (Tue) or 21 June (Wed)  
Time: 3.30pm-5.30pm  
Cost: \$140

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# JUNIOR GEOLOGIST

In this workshop, participants will learn all about some of the must-knows in Earth Science! From the layers of the Earth to the amazing natural rock cycle, learn more about the Earth as a set of closely coupled system, the processes, types rocks, what caused them and unearth your very own gems!

There's simply too much to discover!

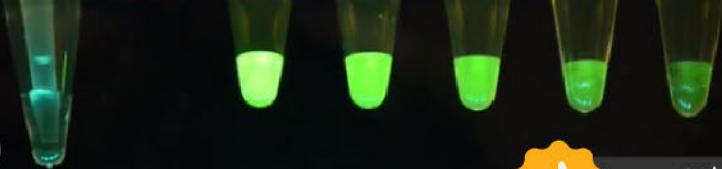
Join us today to learn about geology in this fun-filled session!

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Dates: 8 June (Thurs) or 13 June (Tue) or 21 June (Wed)  
Time: 5.30pm-7.30pm  
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# FLUORESCCEIN DISCOVERY

This glowing lab gives an introduction to the wonders of fluorescence and its applications in biotechnology. It provides an engaging framework to develop foundational lab skills such as forming serial dilutions and a standard curve to estimate unknown solute concentrations.

Students will explore the properties of fluorescein, a commonly used indicator in biotechnology applications. By taking an inquiry-based approach, students will grow comfortable using indicator molecules to answer experimental questions.

DON'T  
MISS IT

Dates: 31 May (Wed) or 15 June (Thursday)  
Time: 3.30pm-5.30pm  
Cost: \$200

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# MICROPIPETTING DISCOVERY

and scientific measurements/instruments



Micropipetting accurately and precisely is an important skill in the laboratory!

Accurate and precise measurements are critical for any scientific investigation. When scientists need to measure very small volumes of liquid accurately, they use a tool called a micropipette.

In this lab, students will practice micropipetting to get the hands-on experience they need to become micropipette experts!

To jazz things up students will create an art with the Micropipette and learn more about scientific measurement tools and their thresholds!

Dates: 30 May (Tuesday) or 14 June (Wednesday)

Time: 3.30pm-5.30pm

Cost: \$160



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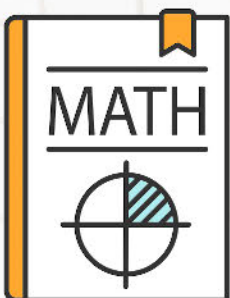
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# NMOS PRIMER

Introducing our upcoming workshop designed specifically for students who are new to math Olympiads and want to excel in the upcoming NMOS!

Each 3-day session is self-contained and will be based on actual NMOS past year questions. This means that your child will not only learn important concepts and techniques, but also get familiar with the idiosyncrasies of NMOS.

Coach Dominic is an experienced Math Olympiad coach with the rare ability to explain complex concepts in a way that kids can easily understand. He focuses on breaking down advanced concepts into simple, easy-to-understand terms, making them accessible to even beginners. With his patient and encouraging coaching style, Coach Dominic has helped many young minds understand and appreciate the beauty of mathematics.



Dates: 30 May to 1 June, 6 June to 8 June  
Time: 9am-11.30am (2.5 hrs daily)  
Cost: \$360 per 3-day course

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# P1/2 Math Olympiad

Full of clever techniques, puzzles, and arithmetic wonders, this fun filled and interactive workshop will give your child an early introduction to the world of Math Olympiad.

Focused on visual, spatial and logic concepts, this workshop helps prepares both newbies and precocious kids for higher-order abstract math. The materials will also serve as early exposure for the GEP Selection Test at P3.

Coach Crystal has a unique talent for bringing science and math to life for students. With her contagious enthusiasm and engaging teaching style, she is able to make learning these subjects not only informative but also enjoyable. Her passion for science and math is evident in the way she leads her classes, inspiring students to explore, question, and discover. With her ability to ignite a love for learning, your young one will definitely develop a deep appreciation and fascination for math.

Dates: 30 & 31 May or 14 & 15 June

Time: 5.30pm-7.30am

Cost: \$200 per 2-day course (4 hours)

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# GEP

This workshop is intended for P3 2023 students who are talented but have had limited exposure, providing them with a more level playing field, by giving them an overview of commonly tested topics/concepts.

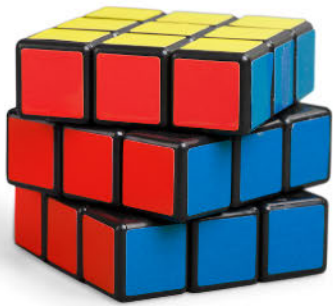
This class will be run by Coach Garry. With two children of his own who were part of the Gifted Education Program (GEP), he understands the challenges faced by gifted children and the importance of providing them with the right support and resources to thrive academically and beyond. With Avocado Lab, Coach Garry aims to provide a nurturing and stimulating environment for gifted children to explore and develop their talents and passions, helping them reach their full potential and achieve their dreams.

The workshop will be conducted over a period of five spaced-out days, allowing students ample time to complete their homework and reinforce their learning before the next lesson.

The 5 days will be 29 May & June 1,5,8, 20 and 22. 9am to 11.30am on each day.

Cost: Fair, non-exploitive pricing. Please contact us for a pleasant surprise.





# rubik's cube

## Beginner's Method

The original 3x3x3 Rubik's cube has 43 252 003 274 489 856 000 combinations, or 43 quintillion. That sounds impossible to solve! Or is it?

Join us as we learn the beginner's method to solving an age old toy that's been around since 1974 in 7 easy steps with 8 simple algorithms.

For: Complete beginners to the Rubik's cube or for those who have learnt but forgotten the steps.

Date: 30 May or 13 June  
Time: 3.30pm-5.30pm  
Cost: \$70 (inclusive of cube)

## Advanced Method

Do you already know how to solve the Rubik's cube but want to do it faster? Ever wondered how the pros can solve it in under 10 secs? Interested to get your time under a minute?

This class introduces the CFOP method which pro speed cubers use in competitions and see how far you can push your own limits.

Pre-requisites:

- 1) know the beginner's method and/or able to solve in about 5 mins or under.
- 2) know how to read the basic algorithms. (eg R, L', U, etc).

Date: 31 May or 14 June  
Time: 3.30pm-5.30pm  
Cost: \$70 (inclusive of cube)

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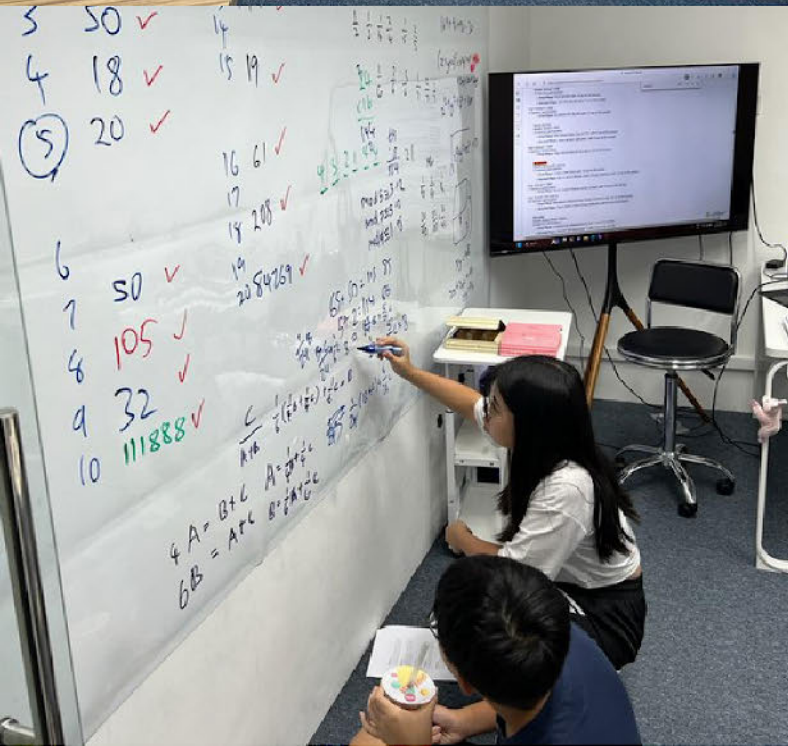
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for School Science and  
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