

HOLIDAY WORKSHOPS

June 2026

Avocado Lab at the World Scholar's Cup

This year, Avocado Lab took our first big step into the World Scholar's Cup, an international academic competition bringing together debate, collaborative writing, quiz-style challenges, teamwork, and interdisciplinary topics.

Our Skittles teams travelled to Jakarta and returned with an encouraging haul: 54 Golds, 27 Silvers, 1 Team Trophy, 1 Best in Art & Music Award, 1 History Award, and the highly prestigious Jac Khor Award, represented by WSC's famous pineapple trophy.

At the Singapore Regional Round, our 6 Junior teams performed strongly, winning 31 Golds and 47 Silvers, including 2 Team Trophies and 1 Best in Social Studies Award. Beyond the medals, students gained valuable exposure, made new friends, and experienced what it means to think, write, speak, and work as a team under pressure.

We will now be bringing 30 participants to the WSC Kuala Lumpur Global Round at the end of June.



This reflects a broader shift in how we think about enrichment. Math Olympiad and Science Olympiad training remain valuable, but in a world shaped by AI, students also need very human skills: clear communication, critical thinking, collaboration, and the ability to make sense of complex ideas across disciplines.

As far as we know, Avocado Lab is the only enrichment centre in Singapore that can genuinely deliver across this full range - rigorous Olympiad training alongside debate, writing, and interdisciplinary humanities through WSC.

These are not conflicting. They share the same philosophy: that real intellectual growth comes from learning to think hard, across many kinds of problems, and to express that thinking with clarity.

Join us this June.

Whether your child is chasing medals or simply ready to be challenged in new ways, our June holiday workshops are a good place to start. Classes are small (generally!), teaching is genuine, and we think your child will surprise you.

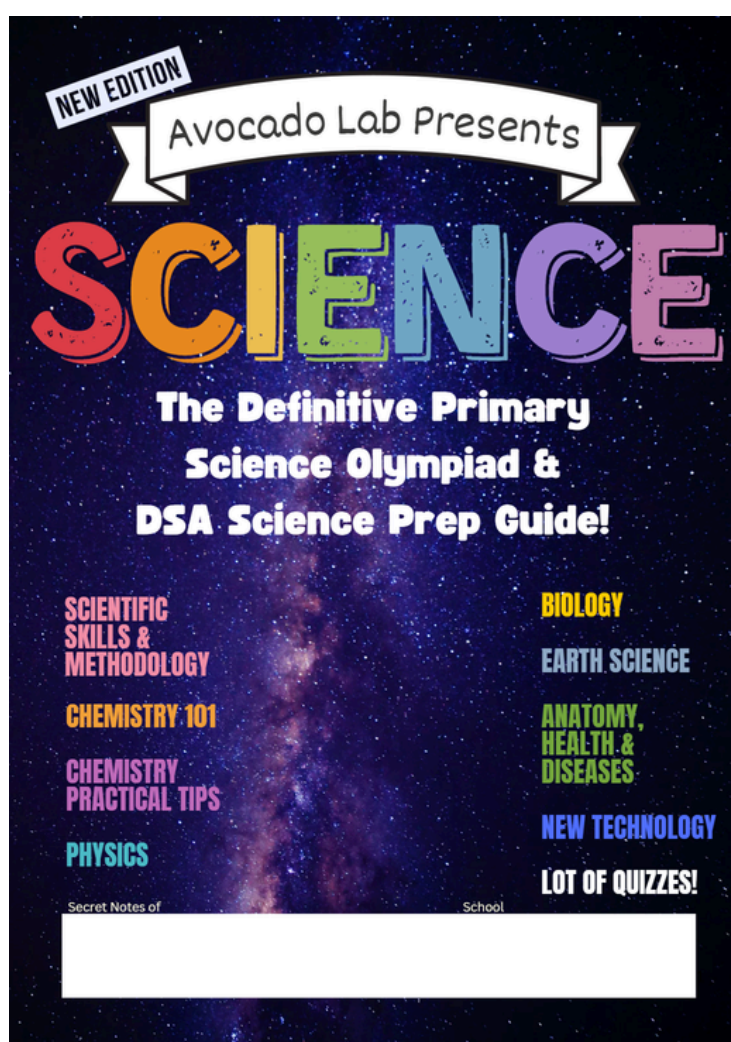


avocado lab
math & science

ACE THE SELECTION TESTS

DSA STEM

In 2025, 100% of students from this workshop who applied to NUS High received a Confirmed Offer, with 8 COs secured in total.



DSA SCIENCE (Online)

For students aiming to perform strongly in DSA Science selection tests, especially for STEM-focused schools.

Now available online for the first time.

Includes our 200+ page full-colour guidebook, packed with competition insights, advanced concepts, and carefully synthesised explanations you will not find anywhere else.

\$2400, inclusive of book & all materials. (\$400 discount for existing Avocado Students)

Book Collection: 25 to 28 May, 3.30pm to 7.30pm.

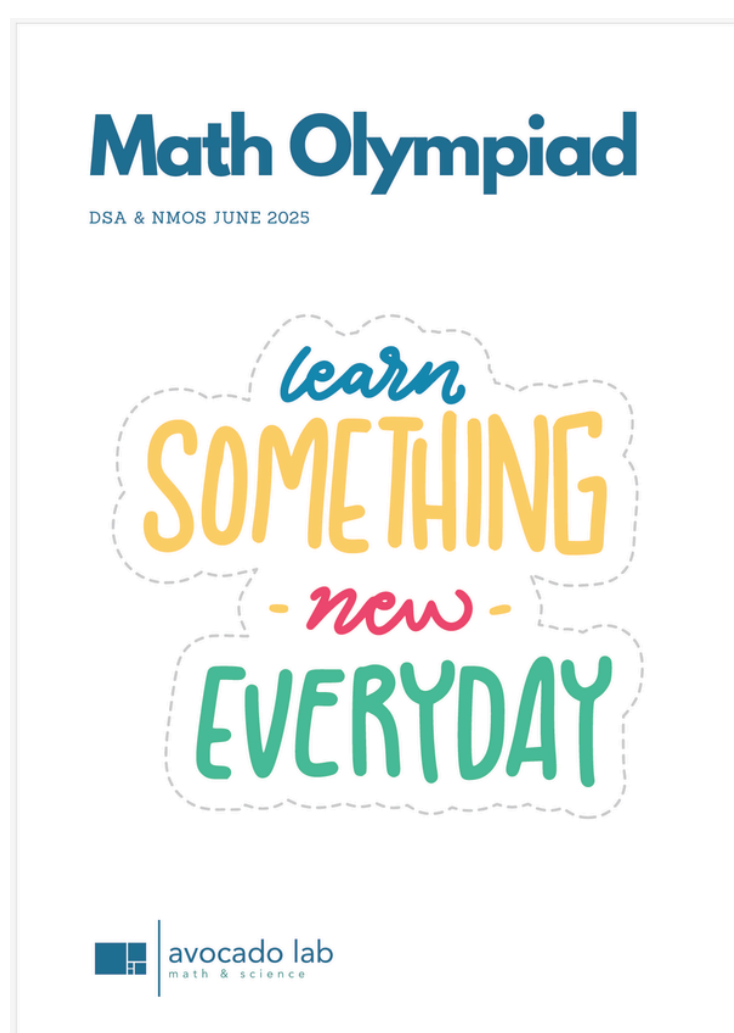
Run 1: 30, 31 May + 4, 5, 6, 7 June, 9am to 12pm

Mock Onsite Test: 8 June, 1.5 hrs between 3.30pm to 7.30pm.

Run 2: 19 to 24 June, 9am to 12pm

Mock Onsite Test: 7 July, 1.5 hrs between 3.30pm to 7.30pm.

Designed to build the rigour needed for DSA Math Selection Tests and NMOS Silver-level performance and above.



DSA MATH / P5 NMOS

This on-site workshop is designed for P6 students aiming to perform strongly in DSA Math selection tests, especially for STEM-focused schools.

Also suitable for P5 students newer to Math Olympiad and preparing for NMOS.

The booklet covers key Math Olympiad concepts, problem-solving techniques, and selection-style questions, with a focus on building flexibility and confidence for unfamiliar problems.

Students choose 1 Part A and 1 Part B.

Part A: 1 to 5 June OR 15 to 19 June | Part B: 8 to 12 June OR 22 to 26 June

All sessions run 9am to 12pm.

Full A + B Programme: \$1500 for 30 hours.

WhatsApp us at 8764-8720 for details



SATISFY YOUR CURIOSITY

EXPLORE BIG IDEAS IN MATH & SCIENCE

WANTED

YOUNG MATH DETECTIVES

Young learners who enjoy puzzles, patterns, games, and clever challenges.

These workshops help children build number sense, logical thinking, and problem-solving confidence, without turning maths into drilling.

A fun and engaging way to stretch curious minds beyond the school syllabus.

Come for as many sessions as you want.

Dates: Mon 1, 8, 15 Jun | Tue 2, 9, 16 Jun | Thu 4, 11, 18 Jun
Time: 3.30pm to 5.30pm
Fee: \$120/class, 2 hours each

Creative Maths
(P1-P3)

FOR SCIENCE LOVERS

For curious students who want to go far beyond school science.

These workshops introduce advanced scientific concepts through experiments, demonstrations, investigations, and challenging discussion-based questions.

Students learn to think like young scientists, not just memorise facts.

They will explore how ideas connect across Biology, Chemistry, Physics, and real-world phenomena.

Dangerously Curious Science (P1-P3)

Mon 1, 8, 15 Jun: 3.30pm to 5.30pm
Thu 4, 11, 18 Jun: 5.30pm to 7.30pm

Upper Primary Science Olympiad (P4-P6)

Mon 1, 8, 15 Jun OR Tue 2, 9, 16 Jun
Time: 5.30pm to 7.30pm

All classes are 2 hours and \$140/class.

Science Olympiad
(P1-6)

WhatsApp us at 8764-8720 for details



PSLE Math & Science Clinics

High-touch, personalised PSLE Maths & Science

Focused help on problem sums, heuristics, Science concepts, application questions, and answering techniques.



Unlock

Also Available:

P4-5 Math
S1/S2 Math
P5 Science

School Support Clinics

P4 Maths: 4 to 5 Jun OR 15 to 16 Jun, 12.30pm to 3pm. \$275 for 5 hrs.

P5 Maths: 1 to 3 Jun OR 17 to 19 Jun, 12.30pm to 3pm. \$410 for 7.5 hrs.

PSLE Maths: 8 to 12 Jun OR 22 to 26 Jun, 12.30pm to 3pm. \$680 for 12.5 hrs.

Upper Primary Science Clinic: Tue 2, 9, 16 Jun OR Wed 3, 10, 17 Jun, 3.30pm to 5.30pm. \$130/session.

Upper Primary Maths Drop-In Clinic: Wed 3, 10, 17 Jun, 3.30pm to 7.30pm OR Thu 11, 18 Jun, 5.30pm to 7.30pm. \$60/hr, minimum 2 hrs.

Lower Secondary Maths Clinic: Mon 1, 8, 15 Jun | Tue 2, 9, 16 Jun | Wed 3, 10, 17 Jun, 5.30pm to 7.30pm. \$120/session.

WhatsApp us at 8764-8720 for details



MIDDLE PRIMARY

INCUBATOR



STORY SPARKS

Looking for a fun, supportive English class that helps your child write better, read more confidently, and express ideas clearly?

This class covers:

- Creative Writing
- Comprehension Skills
- Oral Practice
- Vocabulary Building

Lessons are lively, interactive, and designed to help children enjoy English while strengthening the skills they need for school.

Students will learn to read with confidence, write with more imagination, and speak more naturally.

- Small-group learning
- Warm, encouraging environment
- Stronger English for school and beyond

Time: Saturdays, 9am to 11am

Fee: \$110 per class

ENGLISH ORAL PRIMER

Help your child build confidence for English Oral.

In this 2-day primer, students will learn how to read aloud with better clarity, expression, and pacing. They will also practise presenting themselves confidently and responding thoughtfully during oral conversations.

The focus is not just on “giving answers”, but on learning how to hold an intelligent, natural conversation with the examiner.

Dates: 18 June, Thursday to 19 June, Friday

Time: 9am to 11am daily

Fee: \$320

P3 SCIENCE BOOST CLINIC

Feel that your child could have done better for Science in WA1 and WA2?

This short 3-day clinic will help students recap key P3 Science topics, strengthen their understanding, and fine-tune their answering techniques for OEQs.

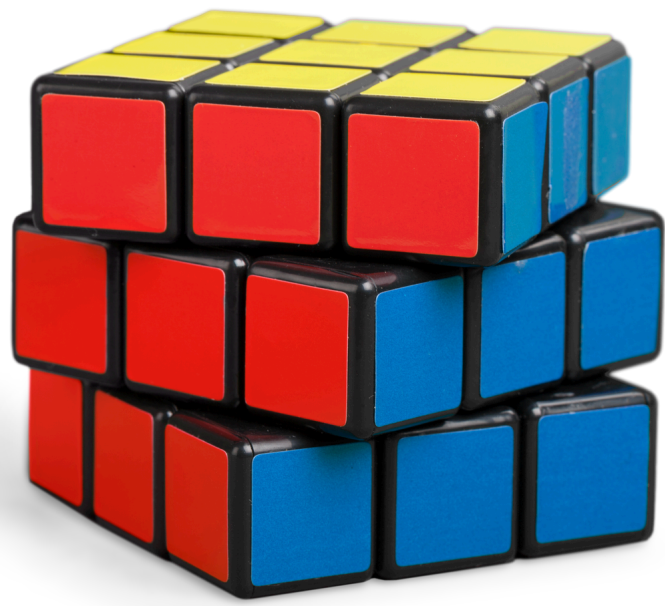
We will also look ahead to Term 3 topics, so students return to school with more confidence and a stronger head start.

Dates: 15 June, Monday to 17 June, Wednesday

Time: 9am to 11am daily

Fee: \$360

WhatsApp us at 8764-8720 for details



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: 11 June Thursday
Time: 5.30pm-7.30pm
(2 hours)

Cost: \$100 (inclusive of cube)

Rubiks Advance with Cube Magic

NEW

Introduction to the advance method (CFOP) with Cube Magic

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?

Welcome to this introduction class on the CFOP method which pro speed cubers use in competitions and see how far you can push your own limits.

However let's be honest, you aren't going to master this in 1 day.... Unless you learn some magic. Using some of the fundamentals learnt in CFOP, participants will learn how to solve the cube in seconds, like a pro!

Date: 18 June Thursday
Time: 5.30-7.30pm (2 hours)
Cost: \$100 (inclusive of cube)

WHATSAPP/CALL US AT 8764-8720



raspberry pi pico workshop

Stop Toying with LEGO Kits!

This is not a screen-only coding class.

Students will build real devices that sense, decide and act. They will work with sensors, motors, lights, sound, displays and WiFi control, then learn how to test and improve their systems when things do not work the first time.

The goal is to help students think like young engineers: break a problem down, read signals from the world, write clear logic, debug carefully, and explain what the machine is doing.

Real hardware

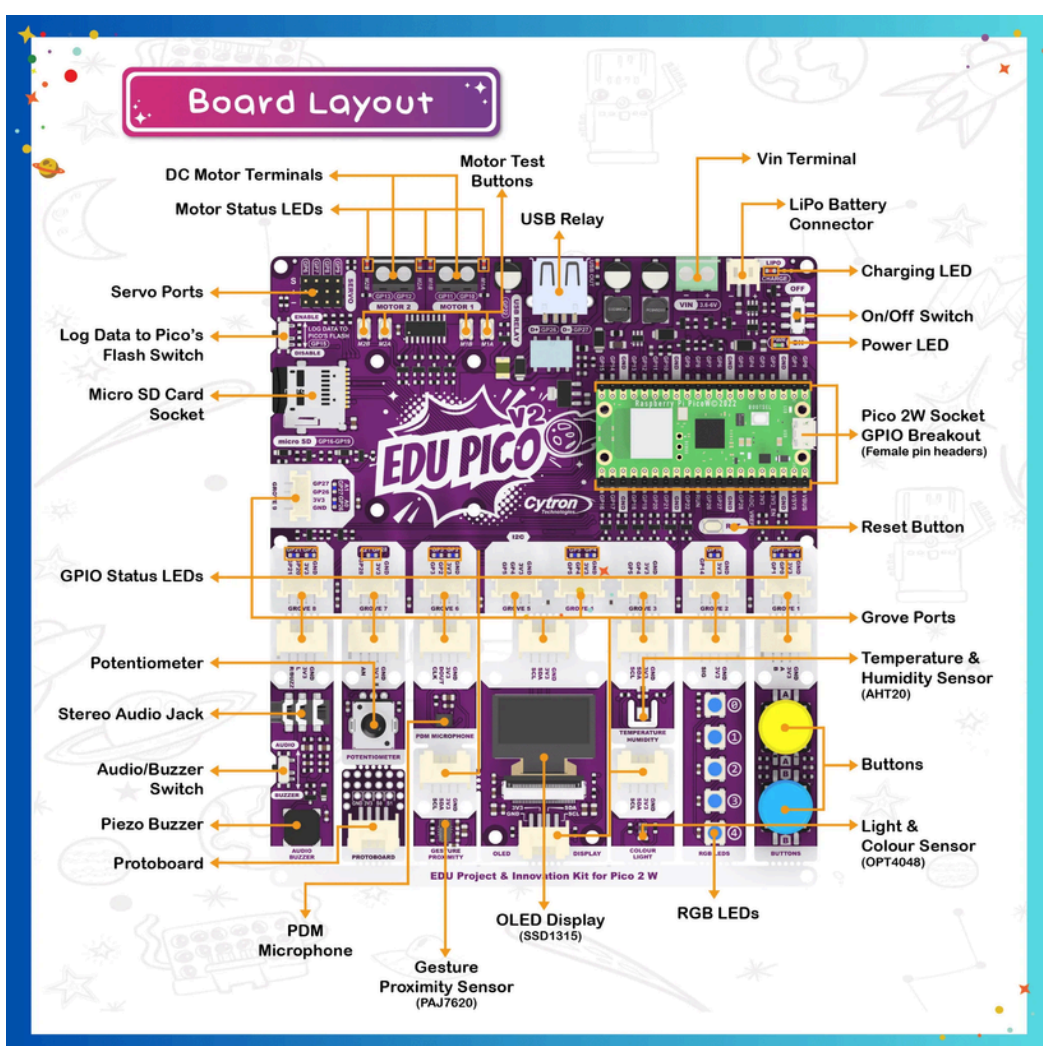
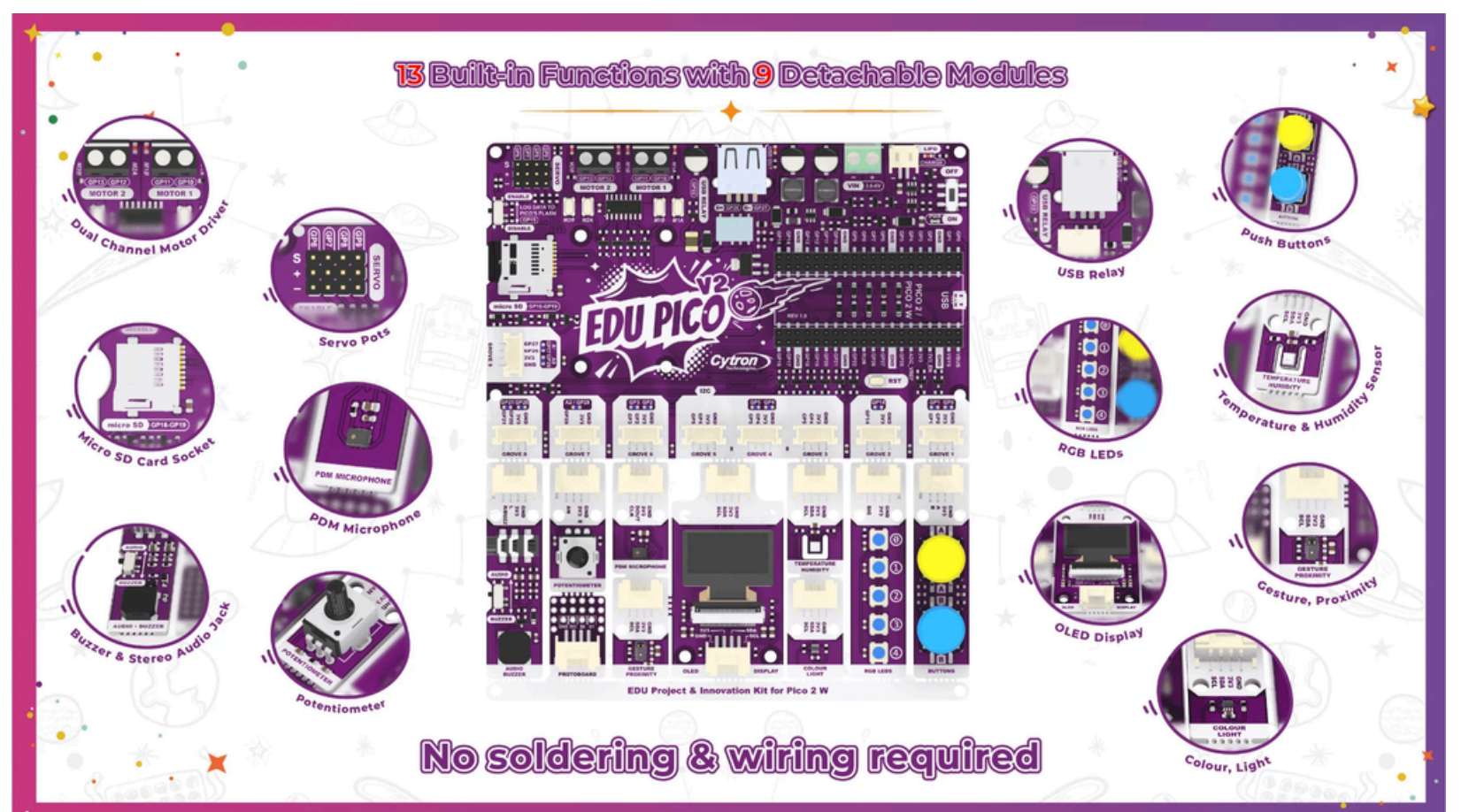
Students code with sensors, motors, LEDs, buzzer, display and WiFi enabled control.

Connected projects

Each activity builds towards a final smart robot or smart home challenge.

Small group

Maximum 6 students, with close support for debugging and explanation.



Day 1	Sense the world Meet the board and learn how buttons, light, colour, temperature, humidity, sound and gesture sensors give information to a program. Outcomes: Read sensor values; Control LEDs, buzzer and display; Write simple decision rules.
Day 2	Make machines move Connect sensing to action. Students learn how motors and servos respond to code, then build and refine robot behaviours. Outcomes: Motor and servo control; Obstacle response logic; Testing, calibration and debugging.
Day 3	Connect and create Combine robotics with IoT thinking. Students build a phone-controlled or WiFi-enabled system, then complete a final challenge. Outcomes: Remote control through WiFi; Integrated smart system; Final showcase and explanation.
Who should join <ul style="list-style-type: none"> Recommended for ages 10 to 18. No prior robotics experience is required, but students should be comfortable reading instructions and typing simple code. Best for students curious about robotics, AI, coding, electronics, engineering or how smart devices actually work. 	

Dates: 1 to 3 Jun OR 22 to 24 Jun
 Time: 9am to 3pm, with lunch break from 12pm to 1pm
 Duration: 3 days, 5 hours per day

Fee: \$980, inclusive of hardware
 \$100 discount for existing Avocado students or early-bird signups before 26 May.

Notebook computer required.

Instructor: Dr Wu Yonghui

Dr Wu Yonghui is a scientist with more than 24 years of experience in data mining, bioinformatics, statistical analytics, machine learning, deep learning and AI. She is currently Principal Scientist at A*STAR's Institute of High Performance Computing, where her work includes genomic foundation models and AI applications in biomedical research.

Her technical background spans Python, R, MATLAB, C, Jupyter Notebooks, machine learning, deep learning and data visualisation. In this workshop, students benefit from an instructor who can connect hands-on robotics to deeper computational thinking: how data is collected, interpreted and used to make decisions.

WhatsApp us at 8764-8720 for details



immunology

A Special 2-Part Series to Understand Why You Are Still Alive

Part 1: How Not To Die

An introduction to the immune system, from first principles.

Here is your engineering problem. Build a body that will live for eighty years, meet a hundred million microbes, and survive. No manual. No reset button.

Most students arrive knowing the names. Neutrophils, macrophages, T-cells, B-cells. We are not going to ask you to recite them. We are going to ask you to invent them. Each cell arrives in our story only when the problem demands it, the same way it arrived in evolution. By the end of the day, you will not just know what your immune system does. You will understand why it could not have been built any other way.

No prior immunology required. Suitable for Upper Secondary students. If the day leaves you with more questions than answers, good. That means you are ready for Part 2.

Part 2: How To Know Who You Are

A forensic tour of the adaptive immune system.

The hardest problem in biology: telling self from non-self, without a manual, without a teacher, without a second chance. How does your immune system know?

We open with an infant. Eleven months old, no thymus, no T-cells. By the end of the day you will trace every number on his labs to a single mutation on the X chromosome, and understand exactly why his maternal uncle died of pneumonia before him. Then the antibody arithmetic your textbook waves past: 10^{11} specificities from 20,000 genes. And then the lamprey, which solved adaptive immunity independently from us, with different molecules and different logic entirely. Evolution found the same answer twice by a completely different route.

Every participant sits a short test before we start and again at the end. We stand behind what we teach.

Calibrated to first-year university level. Suitable for students aged 15 to 17 who can already name the immune-cell types and are ready to find out what they actually mean.

Part 1: 11 June Thursday 330-530pm \$360
Part 2: 18 June Thursday 330-530pm \$360

Please Whatsapp 8764-8720

