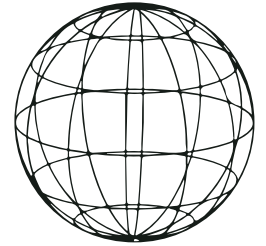


ENGINEER THE FUTURE – HOLIDAY STEM WORKSHOPS



HANDS-ON STEM FOR PRIMARY 1 – 3 STUDENTS



WHY PARENTS LOVE IT!

Parents, prepare your child for tomorrow's world by sparking their passion for STEM today!

In this engaging three half-day workshop, abstract concepts come alive through hands-on experiments and prototyping.

Guided by certified instructors, young learners will:

- Explore sustainability and renewable energy through solar cars
- Upcycle “trash” into “treasure”
- Conduct exciting science experiments
- Apply the design thinking process to test and refine their creations

Why is prototyping and experimentation skills important?

Opportunities are all around us, but you need critical observation and reflective skills to identify them. Tinkering begins this journey of laying the foundation for the essential life skills of critical thinking, teamwork, problem-solving, and pitching.

Watch your child's confidence grow as they build, test, and showcase their own inventions!



WORKSHOP DATES:

 **Dec 9 - 11**

 **Dec 16 - 18**



A DAY AT ENGINEER THE FUTURE

9:00 – 9:15	Introduction & Brain Challenge
9.15 - 9.45	Learn the key principles behind each project
9.45-10.00	Break
10.00-12.00	Design, Build and Test your projects, Learn to document process in logbook



WHAT STUDENTS WILL BUILD

Dec 9 - 11

Theme: Sustainability



Marble Run:

Explore how sustainability begins at home by tinkering with recyclables



Upcycled Robots

Create your own robots from everyday materials



Airplane Launchers

Airplane Launchers: Discover lift, drag, and the dynamics of flight



Balloon Cars:

Learn about kinetic energy and Newton's Laws in action



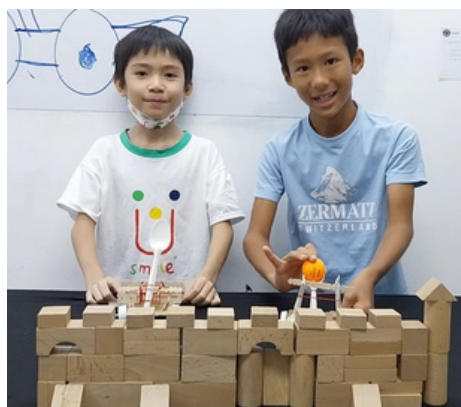
Solar Cars

Harness renewable energy to design and race your own solar-powered car



Rocket Science:

Experiment with thrust, aerodynamics, and propulsion principles



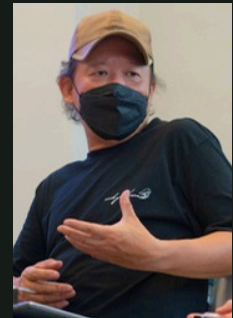
OUR CERTIFIED TRAINERS



Dr. Geraldine Wee
Lead STEMIE Trainer



Nancy Soon
STEMIE Master Trainer



Adrian Tan
Lead STEMIE Trainer

COURSE FEES



\$380 (course fee)

\$20 registration fee (new students only)

Register here at
<https://form.jotform.com/253501709771458>

