

# Engineer the Future: Hands-On STEM Adventures for Curious Kids!

Equip your 7-12 year old with **critical problem-solving skills** in our 4-day workshop (3 hours/day) featuring rockets, catapults, airplane launchers, and more!



Prepare your child for tomorrow's world by igniting their passion for STEM today! This immersive 4-day workshop (3 hours daily) transforms abstract concepts into tangible fun.

Guided by certified instructors, young learners (ages 7-12) will dive into the engineering design process. They'll tackle challenges like building powerful catapults, constructing efficient airplane launchers, understanding the thrust behind rockets, and harnessing air power with balloon cars.

Each project reinforces key physics and engineering principles while developing lifeskills:

- critical thinking,
- collaboration and teamwork,
- creative problem-solving skills.
- pitching skills

Watch your child gain confidence as they build, test, and refine their inventions!

## Learn while having fun!



### Rocket Science

Explore thrust, aerodynamics, and propulsion principles



### Catapults

Discover potential energy and projectile motion



### Airplane Launchers

Learn about lift, drag, and flight dynamics



### Balloon Cars

Study kinetic energy and Newton's Laws of Motion



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# Key Skills Development

Critical thinking & problem-solving

Engineering design process

Teamwork & communication

Resilience & perseverance

Applied mathematics & physics

Creative innovation

Trainer: Clayton Ng  
B.Bus, M.A. Ed



Date: June 3 - 6 (Tuesday to Friday)

Time: 9am - 12pm

Venue: 231 Mountbatten Road

#03-03 Block B Mountbatten

Centre (397999)

Course Fees: \$480:

Registration Fee: \$20

Limited to 8 students per class.

Scan to register:



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