



COGNITIVE SYSTEMS ACADEMY™ · SINGAPORE

CSA STEM LEAGUE™



SPACE SEASON OPENED 2026

SPACE ROBOTICS · ROCKET FLIGHT DYNAMICS · STEM INVENTION

2-DAY CAMP



Space Robotics

3-DAY CAMP

Rocket Flight Dynamics

5-DAY FULL

Bonus Discount!

 **1 Champion Trophy** ·  **Top 30 Win Medals** · **Scores accumulate across all days**

JUN 17

MAY / JUNE 2026

AGES 7 - 18



Build, code, launch rockets



Scan to Register

Choose Mission. Stack Your Score.

2 DAYS Space Robotics Camp

- › Super Space Robotic Challenge
- › Build & program robots
- › Complete space missions
- › Learn about real space robots

ROBOTICS ONLY

3 DAYS Rocket Flight Dynamics Camp

- › Days 1-2: Robotic Rocket Launcher
- › Build a robot that launches a rocket
- › Code the full launch sequence
- › Day 3: Rocket Craft — make & launch

ROBOTICS · CODING · ROCKETRY

5 DAYS Full Season — Best Value!

- › 2-Day Space Robotics Camp
- › + 3-Day Rocket Flight Dynamics
- › Both full programmes combined
- › Bonus discount on full 5-day fee

★ BEST VALUE — BONUS DISCOUNT

All scores from every camp day accumulate into your Season Total — the more days, the higher your score!

2 DAYS

TRACK 1 • SPACE ROBOTICS

Space Robotic Challenge

Students build and program robots to complete a series of space-themed missions — learning how robotics is used in real space exploration.



Build Your Space Robot

Assemble your mission-ready robot from the ground up



Program the Mission

Code your robot to navigate craters, collect samples & dock



Space Robotics Science

Learn how NASA & ESA robots explore Mars and beyond



Challenge Rounds

Compete in timed missions — scores go into your season total

Scores from Day 1-2 carry into your overall Season Total • Top 30 across all days win medals

3 DAYS

2 + 1 DAY

TRACK 2 · ROCKET FLIGHT DYNAMICS

Robotic Rocket Launcher + Rocket Craft Day



DAYS 1-2 · Robotic Rocket Launcher



Build the Launcher

Construct a robot engineered specifically to launch a rocket



Arm the Rocket

Design and fit the rocket payload onto your robot launcher



Code the Launch

Program your robot to trigger the launch sequence on command



Fire & Score

Compete — distance, accuracy and code quality all earn points



DAY 3 · Rocket Craft Launcher (+1 Bonus Day)



Make a physical rocket or flight launcher from craft materials



Learn aerodynamics & rocketry science — lift, thrust, drag, stability



Launch it — test, iterate and compete for distance & flight time

Scores from all 3 days accumulate into your Season Total · More days = stronger medal chances

One Champion. Top 30 Medallists.

2-Day Camp

Space Robotics scores

+ 3-Day Camp

Rocket Flight Dynamics scores

+ Bonus Day

Flight Dynamics scores

= **SEASON TOTAL SCORE** · Talled at end of season · All camps contributing



THE CHAMPION TROPHY

ONE trophy awarded to the single highest scorer across the entire season — all days, all disciplines combined.



TOP 30 MEDALLISTS

The top 30 highest season scorers each receive a **CSA STEM League medal**. Standard medals — same design for all 30. Every medallist is a season champion.



BLAST OFF — SEASONS ARE NOW OPEN · LIMITED PLACES

Ready for Liftoff?

CSA STEM League — Space Season · May / June 2026

2 DAYS

Space Robotics

Robotics only

3 DAYS

Rocket Flight Dynamics

Robotic Launcher + Rocket Craft

5 DAYS ★

Full Season

Best value — discount!



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Scan to Register