

INSPIRING THE SCIENTISTS OF TOMORROW

#SPACE2102KAUST



STEM & SPACE · EXPERT-LED PROGRAMMES

Your campus. Their launchpad.

SkillUp Global Academy · STEM & Space

5-day astronaut-led STEM, space and AI programmes, delivered in school, on your timetable.

Six programmes. One campus.

Expert-led STEM, space and AI, delivered in school. We bring the faculty, the hardware and the astronaut.



Expert-led programmes on your timetable.

Mission Mars

A hands-on journey to the Red Planet with astronauts who flew with NASA. Teams design, prototype and test sustainable habitats in analog Mars environments.

- Design, prototype and test habitats — ethics, resource management, collaborative builds.
- Led by astronauts who flew with NASA, and expert faculty.
- Three stages: design, build, present.
- Whole-school delivery, low student-to-staff ratios for under-18s.
- Mission showcase: crews present and defend their solutions.



The CubeSat Challenge

K-12 students design, build and deploy miniature satellites — a genuine engineering project with real constraints, not a simulation.

- Real constraints, real failure modes, real integration work.
- Mentored by NASA astronauts and aerospace engineers.
- Three stages: design, build, launch — as real space programmes operate.
- Scalable from 10 to 200 students. Physics, engineering and ethics standards.
- Each team launches their own CubeSat-inspired project. Hardware kit included in the CubeSat rate.



From a classroom to a national mission.

Earth 2.0

A school-based challenge where teams design and construct sustainable eco-worlds from scratch — remote sensing, climate data and field work, built in.

- Design and build sustainable worlds: eco-systems, ethical choices, collaborative construction.
- STEM innovation with ethical sustainability — curriculum-aligned.
- Three stages: design, build, present.
- Whole-school delivery, low student-to-staff ratios for under-18s.
- Showcase: teams present and defend their worlds.



National Space Programs

A national-scale space STEM initiative with ministries, space agencies and school networks. Astronaut-led programmes for thousands of students.

- Flagship engagements with education ministries and space agencies.
- Astronaut-led curricula, scaled to build national capability.
- Designed with ministries, agencies and school networks.
- Culminates in a flagship event — space challenge or exhibition.
- Students present to astronauts and national leaders.



From consumers of AI to architects.

AI Innovation Lab

Applied AI labs where students build, train and critique real AI systems — how it works, where it fails, and what it should and should not be used for.

- From prompt to working prototype.
- Build and train models, then audit for bias, accuracy and harm.
- Students move from consumers of AI to architects.
- The point is not to celebrate the technology, but to understand it.
- Ethical judgement built into every sprint.



Managed Summer Programmes

Fully operated 2 to 6 week summer experiences. We bring the faculty, the hardware, the safeguarding and the logistics. Your school gets the outcomes, and the revenue.

- Turnkey: we staff it, equip it, safeguard it and run it end to end.
- Built around Mission Mars, CubeSat, Earth 2.0 or an AI Innovation Lab.
- Your team coordinates; we handle curriculum, mentors, reporting, certificates.
- Zero operational burden. Measurable growth. Expert mentors.
- 2–6 weeks. Delivered on your campus.



Five days on your campus.

Priced per student, from a guaranteed week.

MISSION · 60 STUDENT MINIMUM

\$400

per student

Five days. Faculty, kits, timetable, showcase.

CubeSat Challenge \$475 per student. Kit included.

Week for 60	\$24,000
CubeSat week	\$28,500
Extra student	\$400 · CubeSat \$475

30% deposit holds the date. Confirm 4 weeks before.

ASTRONAUT WEEK · 80 STUDENT MINIMUM

FLAGSHIP

\$900

per student

Five days. A flown NASA astronaut on campus every day.

CubeSat Challenge \$975 per student. Kit included.

Week for 80	\$72,000
CubeSat week	\$78,000
Extra student	\$900 · CubeSat \$975

30% deposit holds the date. Confirm 6 weeks before.
Travel booked after confirmation and 50% received.

WHAT FAMILIES PAY · SAME TICKET FOR EVERY STUDENT

Mission	Live	Early bird	Optional
\$499 early · \$549 standard CubeSat \$599 · \$649	\$999 early · \$1,099 standard CubeSat \$1,099 · \$1,199	Ends 8 weeks before the week starts. A date, not a headcount.	Engineer or scientist \$10,000 Astronaut beam-in \$2,000

All prices USD. \$400 and \$900 are the week total divided by 60 or 80. Assessments and online modules included. CubeSat includes the hardware kit. 30% of the week total holds the date and is credited if the week runs.

Five days on your timetable.

The week is the same across programmes: students design, build, test and defend. Live: a flown NASA astronaut on campus each day. Mission: the same week with SkillUp faculty.

S1 09:00–10:15

Break 10:15–10:30

S2 10:30–12:00

Lunch 12:00–13:00

S3 13:00–14:30

Break 14:30–14:45

S4 14:45–16:00

MONDAY

Brief

S1

Welcome, teams of 5–6, mission assigned.

S2

The problem, constraints, roles.

S3

First sketch and plan on the wall.

S4

Space talk + Q&A.

TUESDAY

Design

S1

What success looks like.

S2

Hands-on design sprint.

S3

Build the system architecture.

S4

Critique and rebuild.

WEDNESDAY

Build

S1

Hardware and tools on desks.

S2

Assemble, integrate, fail, fix.

S3

Data, testing, clean working habits.

S4

Mid-week review.

THURSDAY

Test

S1

Does it work. What broke.

S2

Field test / challenge / selection.

S3

Story and evidence for Friday.

S4

Rehearse the defence.

FRIDAY

Showcase

S1

Final practice.

S2

Selection / final round.

S3

Crews present and defend to staff and parents.

S4

Certificates, photos, close.

Before the week

Online pre-module and baseline assessment.

After the week

Online post-module, assessment, certificates, school archive.

You provide

Rooms, lunch, mentors, safeguarding lead.

We provide

Faculty, kits, timetable, showcase, full programme management.

Taught by the people who did it.

Some previous astronauts include Charles "Sam" Gemar (STS-38, 48, 62) and Kathy Thornton. They work with your students on campus.

"SkillUp Academy is at the leading edge of STEM education today. Having worked on multiple projects with them from New York, to the Middle East to Shanghai, I have witnessed first-hand the power of their programs."

CHARLES GEMAR — NASA ASTRONAUT

Named retired NASA astronauts

In the room, or live. Your campus.

We bring the hardware

CubeSats, labs, cleanroom discipline.

You don't organise anything

Faculty, safeguarding, reporting, certificates.

Built for international schools.

Programmes delivered in international schools across 32 countries. Here is what students say.



"This was such a cool experience! I liked the rocket launch simulation the most. It felt so real and exciting. I learned so much about space engineering, and now I'm actually thinking about studying astronomy in the future."

TON, 13 — MISSION MARS



"I never thought learning could be this exciting! In Mission Mars we became the first settlers and had to solve real problems astronauts will face one day, like how to produce food with almost no water or how to protect ourselves from radiation."

EDWARD, 11 — MISSION MARS



"Mission Mars was epic! We had to figure out everything humans need to survive on another planet: air, food, shelter, energy... and then actually build and test our ideas with the team."

LUI, 12 — CUBESAT CHALLENGE

"Special recognition goes to SkillUp Academy and their STEM education experts, whose rich and insightful lectures were delivered by esteemed doctors, professors, and astronauts." — Ms. Heba Ekhlassi, Robotics Teacher

From conversation to launch.

Four steps from first conversation to students in the room. You don't organise anything.

1

Tell us your context

Year group, cohort size and dates. 30% deposit holds the date.

2

We design

A costed proposal within 5 working days, calibrated to your campus.

3

We plan with your STEM lead

Timetable, rooms, safeguarding. Your team coordinates; we handle the rest.

4

We deliver, you report

Our team runs it. You receive the outcomes, evidence and student work.

Request a programme at skillupacademy.org.uk

We'll send a costed proposal. We respond within 24 hours.

TRUSTED WHERE IT COUNTS

A network spanning 32 nations.

32

countries reached

174k+

students and teachers engaged

92%

would recommend

94%

improved STEM, presenting, teamwork

EARCOS Network · UKRLP Registered · ICO registered · UK Skills Network · DEPA Approved · TPQI Endorsed

Your campus. Their launchpad.

5-day astronaut-led STEM, space and AI programmes, delivered in school, on your timetable.

Request a programme

skillupacademy.org.uk · contact@skillupacademy.org.uk



SCAN TO EXPLORE
www.skillupacademy.org.uk