

In partnership with



ISSET PRESENTS
MISSION
DISCOVERY



5 DAY NASA STEM CAMP

Team up with
NASA astronauts

Change your mindset and improve your future

W W W . I S S E T . S P A C E



Your Mission

Do something extraordinary with the Mission Discovery London, Space & STEM Camp

Join our Rockstar astronaut instructors at King's College London, a World top twenty university, in July 2023.

You will work in small teams, under the close guidance of NASA astronauts, NASA personnel, space scientists and world-renowned professors.

The Goal: *to better life for humankind on or off the planet.*

We'll help you every step of the way, each team will be assigned their very own expert mentor to help guide them through the week.

At the end of the 5 days, we'll select the best idea, build it at NASA and launch it on a SpaceX rocket to the International Space Station (ISS) to be carried out by the astronauts as they orbit the Earth.



Open to: 14- 18 yrs.

There is no selection process, giving everyone equal opportunity to get involved.

A look at the Week

1 NASA Team Building & Leadership

The days focus is on teamwork, students are broken up into their teams for the week and we work through a variety of team building exercises, that will see them work as an effective unit over the next 5 days.

2

Introduction to the Design Brief

Students get their design brief, start brainstorming their ideas and begin the research needed to create an experiment that could fly to the ISS.

3

Budgeting, Planning & Experiment Design

Students ideas are whittled down to one feasible design. By the end of the week, every team will have a viable experiment. Students will learn how to budget and plan their work ready to present their idea on Friday.

4

Finalise Experiments & Public Speaking Seminar

The morning is spent preparing students for their final presentations tomorrow. In the afternoon teams are finalising their ideas and becoming experts in their chosen field, ready to answer any questions our judges throw their way.

5

Present Ideas to Judges & Winners Announced

All the hard work is done, now it's time for students to present their idea to our judges and accept their Mission Completion certificates at the closing ceremony.

Each student will have gone through their own journey to get to this point and will leave the camp with the NASA 'You can do it' spirit.



Astronaut Nicole says...

“ This programme gives you an exciting and meaningful way to become an ISS researcher, to have something important to you travel to space, and help prepare you for your future. I wish I could be on the Space Station when your experiments fly to space. ”

Nicole Stott | NASA Astronaut





Your Experiment On the Space Station

The Space Station is the final frontier of Scientific research.

Forbes Magazine

Mission Discovery was launched in 2011. Since then, we have worked with 19 NASA astronauts, held resupply programmes across 4 continents for over 25,000 students sending 64 experiments into space on 10 different rockets, with more experiments in the pipeline to be launched soon.





Astronaut Mike says...

“ *Mission Discovery is the most complete and exciting educational programme I have worked with. I’m always excited to see where the students imagination takes them and watch them develop throughout the week. When I was young, I would have loved the chance to have an experiment flown in space.* ”

Dr. Michael Foale CBE | NASA Astronaut & ISS Commander





Mission Discovery King's College London

Give your students a taste of top tier University life at our flagship Mission Discovery venue, King's College London. King's is ranked in the top 10 UK universities in the world.

Students will have access to the prestigious learning environment and benefit from their world-class personnel.

The Mission Discovery 5 day programme takes place at Guy's Campus (Nearest tube station is London Bridge):

New Hunt's House, Newcomen St, London SE1 1UL

In collaboration with:



Meet the Team



Chris Barber

ISSET Founder & Director



Dorothy Metcalf-Lindenburger

NASA Astronaut & Geologist



Sarah Murray

NASA's Deputy of Orion Vehicle Systems Performance & Analysis
Mission Discovery Host



Prof. Steve Harridge

Professor of Human and Applied Physiology at King's College London



Dr. Julie Keeble

Senior Lecturer in Pharmacology at King's College London



Dan Molland

ISSET - Team Oxford, Chief Scientist



Jack Enright

ISSET Lead Scientist



Hannah Burgess

ISSET Lead Scientist



Our awesome team is assisted by a group of local scientists to help manage and guide the students through their journey.

[Circa 1 mentor for every 2 teams]



Astronaut

Dottie says...

“ I’m excited to share my love of STEM and space with the Mission Discovery students! They have the opportunity to take what may seem impossible and launch into a new possible.

I know the week will not only change their perspective of Earth and space, it will transform how they see themselves in their future. Let’s get inspired! ”

Dorothy Metcalf-Lindenburger | NASA Astronaut & Geologist





Why You Should Join Mission Discovery

“I have overcome a lot of barriers and developed my teamwork and presentation skills in time for me to go to university!”

Humyra | Mission Discovery student

- ✓ Fun 5 day STEM challenge working with NASA astronauts & space scientists
- ✓ Learn the skillsets and tools required for a successful future:
 - ◆ Teamwork
 - ◆ Innovation
 - ◆ Leadership
 - ◆ Public Speaking
 - ◆ Self Confidence
 - ◆ Planning & Budgeting
- ✓ A chance to send your experiment to the International Space Station
- ✓ Be introduced to the highest level of NASA leadership space exploration & scientific research



Participants from all over the globe are welcome to join the residential package, starting on Sunday 9th July for an additional fee of £773:

- ◆ **Accommodation**
- ◆ **Breakfast**
- ◆ **Dinner at local restaurants**
- ◆ **24 hr supervision**
- ◆ **Escorted to and from campus**
- ◆ **Complete your Duke of Edinburgh Gold Certificate**
- ◆ **Doors open a day early, at 16:00 on Sunday 9th July 2023**

The residential package is a great way to make friends and see some of London's top sights. In the evenings, you will eat out at one of your favourite restaurants; Honest Burgers, Pizza Express, Côte, etc.

Residential students will be staying in Great Dover Street Apartments (King's College London student accommodation), just a short walk from the Campus and staff will be with the students at all times until lights out at 23.00.



Your Apartment



Kitchen



Bedroom



Games Room

- ◆ Free WiFi
- ◆ Private Kitchen for you & flat mates
- ◆ Ensuite Bathroom
- ◆ Entertainment & games room
- ◆ Secure key card entry
- ◆ CCTV Surveillance
- ◆ Security Officer & night patrol
- ◆ Manned access gate (24-hour)

A whirlwind adventure making new friends and
feeling like you're almost an astronaut.

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I have learnt a lot and
overcome a lot of barriers.
Thank you again for
the best week of
my life so far.

THANK YOU
♡ ♡



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AND CHANGE YOUR FUTURE

@ info@isset.space

www.isset.space

