

Presented by



**YOUNG
EDSPLOERER**



SPACE & STEM
STUDENT
EXPERIENCE

MISSION DISCOVERY™

- // NASA LEADERSHIP TRAINING
- // SCIENTIFIC RESEARCH
- // WORK ON BIOMEDICAL PROJECTS
- // LAUNCH YOUR EXPERIMENT INTO SPACE !

MEET

LEARN

DESIGN

LAUNCH

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// YOUR MISSION

SPEND 5 DAYS AT SUNWAY UNIVERSITY WORKING WITH A NASA ASTRONAUT, RENOWNED SCIENTISTS AND NASA LEADERS, IN MALAYSIA'S FIRST MISSION DISCOVERY PROGRAM!

- Take on the role of a research scientist and work with your team on a Science project. Your mission is to create an experiment which will be carried out in space and present your idea to our board of esteemed judges
- The judges will pick one winning team whose experiment will be built by NASA, launched to the International Space Station (ISS), and carried out in space by the astronauts aboard the ISS
- Sign-up for the 1st Mission Discovery Program at your School, enhance your CV and STEM knowledge and join the forefront of human space exploration

Are you Malaysia's next Astronaut or STEM Leader?

// INSPIRING STEM

LEARN HOW TO

- Work successfully in a team
- Plan the execution of a project
- Achieve a goal
- Follow efficiently and lead effectively
- Deliver a persuasive presentation
- Confidently speak in public
- Make your CV stand out!

**MISSION DISCOVERY FOCUSES ON SCIENCE,
TECHNOLOGY, ENGINEERING AND MATHS...**

THE FUTURE OF STEM STARTS WITH YOU!



"It was great to learn from such inspirational astronauts and experts through Mission Discovery. I had a fantastic time"

Emily Yeomans
Student

ENGAGE WITH:

*NASA Astronaut
PHD Scientists
STEM Experts*

MISSION DISCOVERY AGENDA

DAY
.01

- NASA team building
- Mission Patch Team challenge
- The Journey to Mars
- Mars Lander Team Challenge
- The Best Science Experiment

DAY
.02

- Becoming an Astronaut and The Story of a Space Mission
- Headline Story Team Challenge
- How to design a space experiment

DAY
.03

- Budgeting and Planning Skills
- The International Space Station Environment, Experiments and An Expedition
- Work on experiments

DAY
.04

- Improve Your Presentation Skills
- Working on experiments and presentation
- The Earth From Space
- Hear a range of exciting Space and Science career paths

DAY
.05

- Presentation preparation
- First round presentations
- Finalists selected
- Final presentations
- Winners announced



Please Note: Itinerary is subject to changes

// THE MISSION TEAM

MISSION DISCOVERY PROGRAM TEAM MEMBERS

Mission Discovery introduces you to the highest level of NASA Leadership,
Space Exploration and Scientific Research



STEVE SWANSON

NASA ASTRONAUT & ISS COMMANDER

Space Shuttle flights STS-117, STS-119, and Expedition 39 to the ISS aboard the Soyuz. Steve has also served as a CAPCOM for ISS and Space Shuttle missions. He has logged 643 hours in space and completed four spacewalks, totalling 26 hours and 14 minutes. Steve is a recipient of the NASA Exceptional Achievement Medal



SARAH MURRAY

NASA'S DEPUTY OF ORION VEHICLE SYSTEMS
PERFORMANCE AND ANALYSIS

Sarah is in the Orion Vehicle Integration Office, which is responsible for integrating all the vehicles: the Orion, the European Service Module being built in Germany, the abort system being built in Virginia, which all sits on top of the rocket, the Space Launch System (SLS) being built in Alabama. She has served on NASA's Mission Support Council as well as Assistant Division Chief for EVA, Robotics and Crew Systems, where she was responsible for the Neutral Buoyancy Laboratory Space Walking training facility. She has held roles in Astronaut Training and Mission Control. She has also been Deputy Chief of Space Flight Training Management, where she was the Chair of the International Training Control Board, responsible for training astronauts and cosmonauts.



DR. JULIE KEEBLE

LECTURER OF PHARMACOLOGY AND ISSET'S CHIEF
SCIENTIST

Dr. Julie Keeble is a lecturer at the Institute of Pharmaceutical Science at King's College, London and is jointly affiliated with the Centre for Human & Aerospace Physiological Sciences. Her research focuses on the role of sensory nerves, pain, inflammation and thermoregulation. Dr Keeble is also ISSET's Chief Scientist and is responsible for ensuring that all winning Mission Discovery experiments are launched to the International Space Station.



CHRIS BARBER
FOUNDER & DIRECTOR OF ISSET

The International Space School Educational Trust (ISSET) is a registered UK charity, founded in 1998, that works in partnership with some of the world's leading space organisations, to deliver unique learning opportunities for people of all ages.

* Team members subject to change



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MISSION DISCOVERY



"Mission Discovery is the most complete and exciting educational program 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"

Astronaut Dr. Michael Foale CBE



REGISTRATIONS OPEN! TO ENROLL:

CONTACT SCIENCE BRIDGE ACADEMY:

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☎ 03-79315383 | 018-6668797

🌐 www.sciencebridgeacademy.com

FOR MORE DETAILS OF THE PROGRAM

VISIT US AT WWW.ISSET.ORG

**Limited
SEATS**

**Last Date To Registration
31st MAY**

**Program Cost
MYR 2,450**

**TO
REGISTER
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SUNWAY
UNIVERSITY



A CLASS ABOVE