ISSET PRESENTS

# MISSION DISCOVERY

**TEAM UP** with Scott Kelly

# Be a Rocket Star

Singapore 20 -24 June 2022

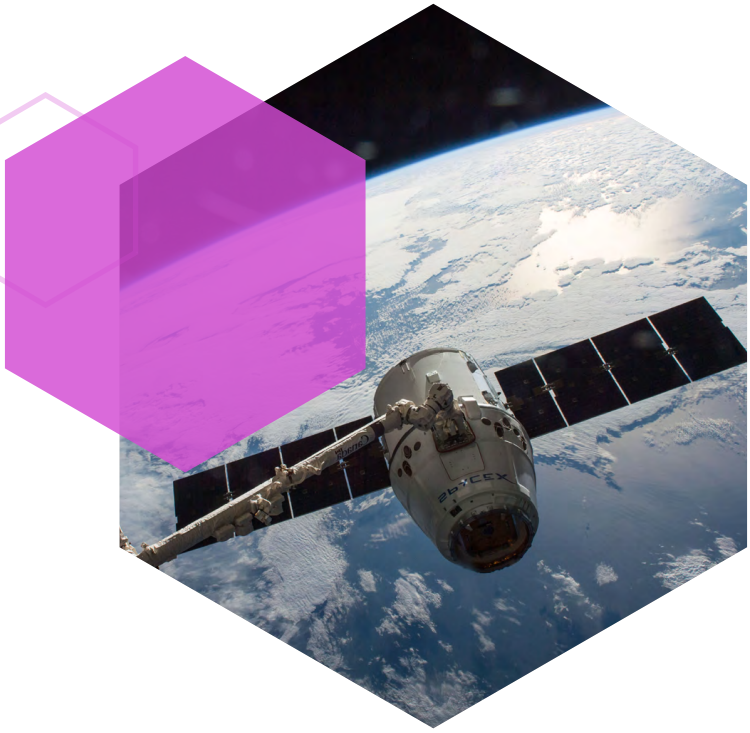
**TEAM UP** with Steve Swanson


**TEAM UP** with Tony Antonelli

› MEET › LEARN › DESIGN › LAUNCH

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

- Emily Yeomans, Mission Discovery Student



# //YOUR MISSION:

- Spend 5 days at the state of the art National University of Singapore (NUS), with 3 NASA astronauts and a host of world renowned scientists at the most exciting STEM programme in the universe.

- Your mission is to design an experiment destined for the International Space Station (ISS)...
  **The Goal:** to better life for humankind on or off the planet.

- At the end of the week, our judges will pick the best experimental idea which will be built by King's College London, launched to the ISS, and carried out in space by the astronauts aboard the station.

- There is no selection process,giving everyone equal opportunity to get involved. Open to 14- 18 year olds.

# A LOOK AT THE WEEK

Each day students will hear a variety of talks from our experts, based on a range of themes including team building, leadership, space, STEM and personal development.

Each team is assigned a Mission Discovery mentor to help them at every step.

## DAY 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.

## DAY 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.

## DAY 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.

## DAY 4: Finalise Experiments & Public Speaking Seminar

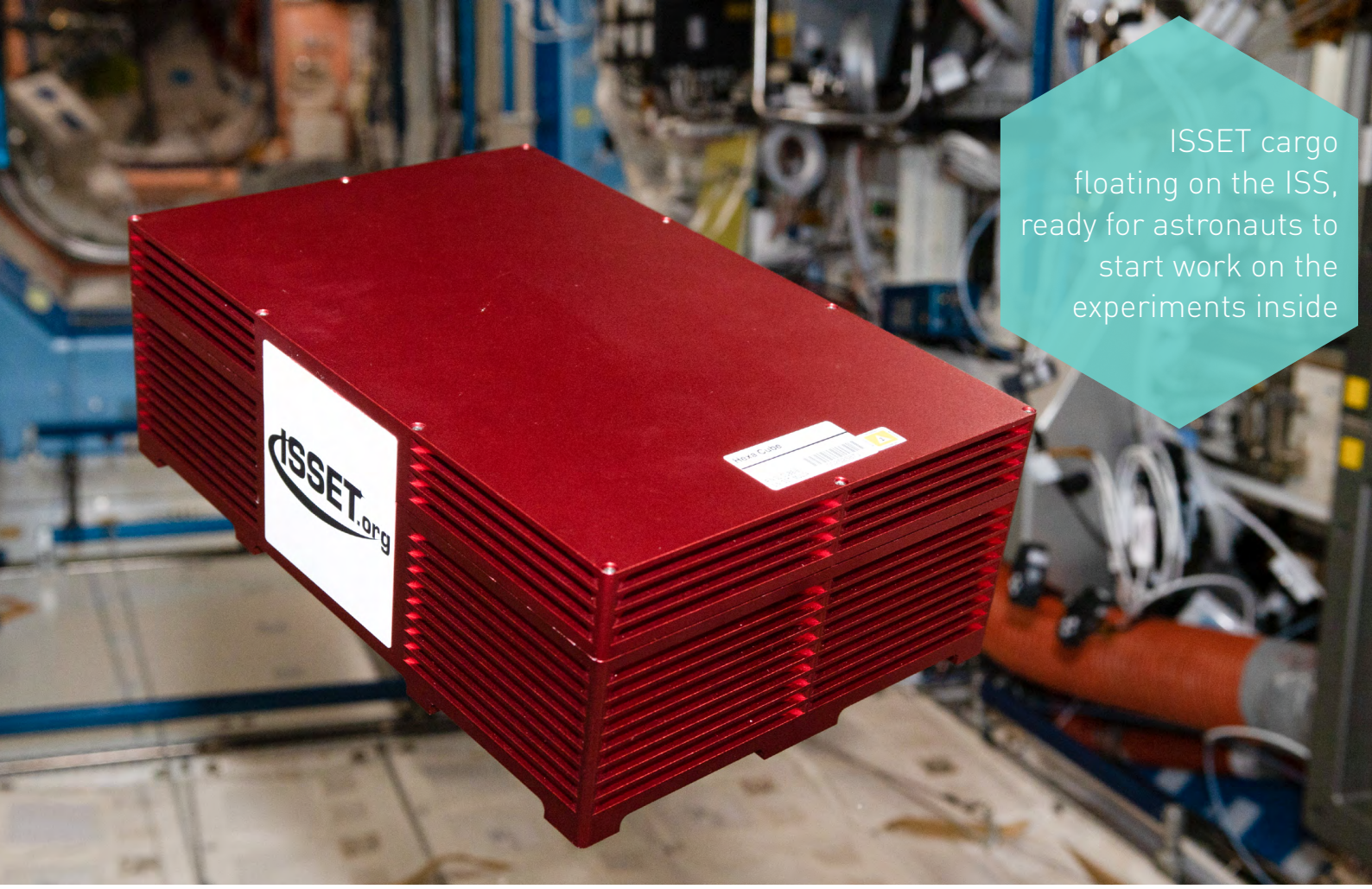
The morning is spent preparing students for their final presentations tomorrow.

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.

## DAY 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.




ISSET cargo floating on the ISS, ready for astronauts to start work on the experiments inside

# //ON THE SPACE STATION

Mission Discovery has given students from all over the world the opportunity to have their experiment carried out by some of the worlds elite, such as astronauts Tim Peake and Scott Kelly, to name a few.

Mission Discovery was launched in 2012. Since then, we have worked with 13 NASA Astronauts, held programmes in 4 continents for over 9,000 students sending 30+ experiments into space on 8 different rockets with more experiments in the pipeline to be launched soon. Here are the missions students have been a part of:

> *The Space Station is the final frontier of Scientific research.*
>
> **- Forbes Magazine**

*The opportunity in itself is too amazing to believe, but also the experience as a whole, because of the staff and their personalities and how smoothly they ran the programme.*

**- Nimra Zubair, Mission Discovery participant**

# // MEET THE TEAM

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

**Sarah Murray**

**NASA's Deputy of Orion Vehicle Systems Performance & Analysis**

**Mission Discovery Host**

**Scott Kelly**

**NASA Astronaut & ISS Commander**

**Tony Antonelli**

**NASA Astronaut & Space Shuttle Pilot**

**Steve Swanson**

**NASA Astronaut & ISS Commander**

**Dr. Julie Keeble**

**Senior Lecturer in Pharmacology at King's College london**

**ISSET Chief Scientist**

**Prof. Steve Harridge**

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

**Chris Barber**

**ISSET & Mission Discovery Founder**

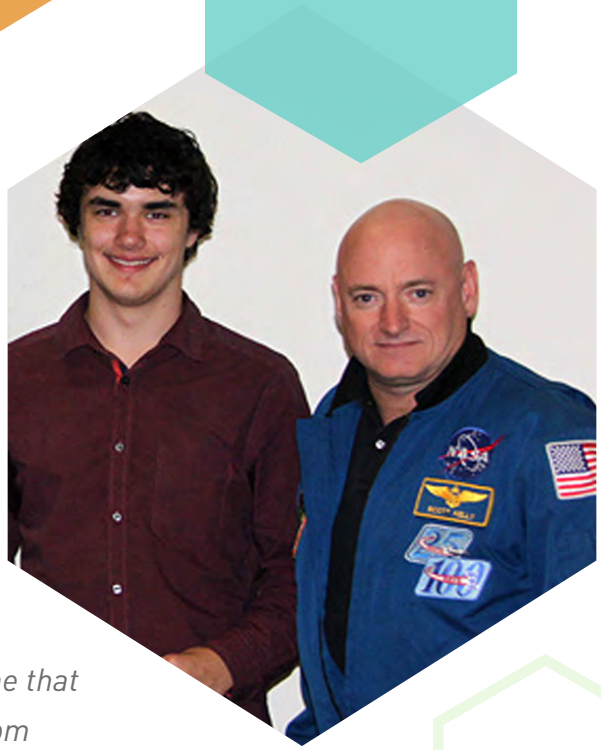
**Dr. Hannah Wilson**

**Lead Space Scientist**

Astronaut Tony Antonelli at the Space Shuttle controls

*The changes I see in these students throughout the week blows my mind. They join a community that teaches them to roll up their sleeves, work hard and accomplish something as a team. I'm always excited to see what incredible ideas they've come up with!*

**- Tony Antonelli, NASA Astronaut, Space Shuttle Pilot**

*It was a brilliant, motivational and inspiring programme that I was thrilled to be a part of. I enjoyed every aspect, from working in teams to produce our experiments, to listening to lectures from professors at King's College London.*

**- Eleanor, Gumley House School**

NUS
National University
of Singapore


ISS Commander Steve Swanson with Mission Discovery students

# //INSPIRING **STEM**

**Personal Objectives:** Learn how to...

- Work successfully in a team
- Plan the execution of a project
- Achieve a goal
- Deliver a persuasive presentation
- Confidently speak in public
- Make your University application stand out!

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MISSION DISCOVERY™


# //CONTACT

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*Mission Discovery was, by far, the most comprehensive, interesting, and educational endeavour I have been involved with.*

**- Mike McCulley, Astronaut & President of United Space Alliance**