



Space Race  
for a  
Sustainable  
World

**Year 3  
STEM  
Excursion**

# Space Race for a Sustainable World

## Year 3 STEM Excursion

Servite College warmly invites Year 3 students and staff to join us on campus for an exciting STEM event. The program is free and students are encouraged to bring their own lunches and snacks. All learning resources will be provided.

Inspired by the 50th anniversary of the 1969 Apollo lunar landing, students will launch a mission to develop creative solutions for a sustainable future.

Working across Science, Technology, Engineering and Mathematics, students will complete hands-on challenges, investigations and group work.

Developing skills in critical thinking and problem solving, creativity, innovation, communication and collaboration, students will be engaged in real-world, relevant discovery learning.

Contemporary learning technologies, from virtual reality to 3D printing and robotics, will enhance student participation.

### Students will participate in three core activities:

#### Activity 1: Fossil Fuel

Investigate the environmental impacts of our reliance on fossil fuels and identify alternatives. Can 100% renewable energy power the world?

#### Activity 2: Egnaut

Construct a vehicle to protect your Egnaut from the perils of re-entry to Earth.

#### Activity 3: STEAM Project

What problems could rising sea levels create for our coastal cities? Design a sustainable home for a flood zone.

Students will also have a chance to learn about our free STEM Competition coming up in Term 3.

