



The **ARC Centre for Excellence in Plants for Space (P4S)** is an Australian led research and education centre that combines University with Industry and Space Agencies.

P4S is exploring ways to re-design plants to produce nutritious future foods, materials and medicines that enable humans to thrive in Space and enhance Earth sustainability.

MISSION: PLANT LIFE ON MARS

School Opportunity:

A flexible hands-on Space STEM challenge aligned to the Australian curriculum. Classes supplied with \$1000 of free resources and expert support.

Students learn about the challenges of growing plants on Mars, plan, construct, and program robots to care for plants on Mars.

Student showcase their work to esteemed Space professions at La Trobe university!

The program:

- Receive resources and learning guides
- Teacher kick-off workshop: “How to build a Mars farming robot”
- Students carry out challenge at school: construct robots, code and care for Martian plants. Your school determines the structure and duration (a few weeks - two terms)
- Technical and content support is available through P4S mentors
- Celebrate and share student work and meet the Space experts



P4S provides:

- Class set of resources: robotics, space plants, and “Mars” growth equipment
- Teaching and learning guides
- Authentic research to enrich the Australian curriculum and build skills
- Expert mentors to support students and spotlight STEM careers.
- Showcase event with Space professions (incursion/excursion)
- CRT + transport costs (on application)

Who: Students in years 5-6, 7- 10 and STEM Clubs

When: Starts in Term 2 and concludes in Term 3

For more information:

Please contact f.thorpe@latrobe.edu.au

Express you interest here:

<https://forms.office.com/r/fHXDi4jqxP>

