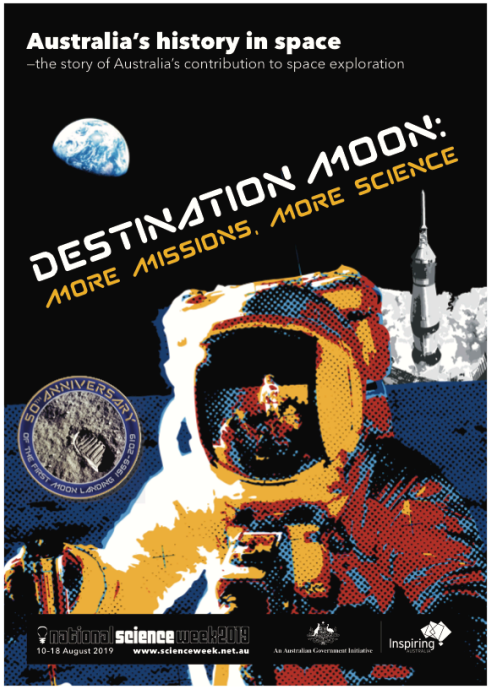

St Augustine's College

Science Week 2019

Challenges & Competitions

Lots of ways to:

Explore Space,
Learn about Science &
Display your learning…

…keep reading!

Design Challenge: (All ages)
enter alone, with a partner or enter as a family

Create a model of the Mars Rover, a Lunar Rover, Space Shuttle, Rocket or Space Station.

Do some research to identify the main features of these and then use whatever materials you like to create a 3D model (cardboard, wood, plastic, lego, mechano…..)

You may like to include a written explanation of the main features and little details that you have included in your model, with explanations of why the features are important.

Research Challenge: (Years 3-12)
enter alone or with a partner in your age group

Choose one of the following topics, research the facts and present your learning in a poster.

- Satellites around Earth
- Moon Landing - What happened in 1969 and what did Australia have to do with it?
- Space Junk – what is it and what can we do about it?

Competition and Challenge Rules

- All Entries are to be submitted as a hard copy by **3.30pm on Friday 16th August**
  (last day of school Science Week)
- Entries should be placed in the competition box in the Office, or handed in at the Office (if it won't fit in the box).
- St Augustine's College will invite judges from outside the school (with a love of science and learning) to assist in the judging of these challenges.
- Prizes will be given in each category and in each Learning Community.
- **All entries must be accompanied by the entry form on the back of this column.**

Any questions should be directed to your Science teacher or Mrs Willsher.

Entry Form:

Full Name: (include all names if a group)

_____

_____

Year Level: _____

Class or TA Teacher:

_____

This is an entry for the: (tick)

- ☐ Design Challenge
- ☐ Research Challenge
- ☐ Experimental Design Challenge
- ☐ Writing Competition
- ☐ Creative Challenge

Writing Competition: (All ages)
Write a creative story about travelling to the moon. Aim to weave some facts about the moon and space travel into your story.
(eg. How far away it is, how long it takes to get there, how it feels to be there, …)

Creative Challenge: (All ages)
Enter alone, with a friend or as a family
Prepare a model of the solar system, a diorama of the moon landing or a piece of artwork (your choice), to celebrate the 50th Anniversary of the first Moon Landing or something else you love about Science.

Experimental Design Challenge: (Years 5-12)

Imagine you are to be on the next trip to the moon.
Design an experiment that you would like to perform on the moon so that you can learn more about it.

Present your experimental design as a **poster** including the following sections:

- Introduction
  (why you have chosen this topic, what it's about…),
- Aim,
- Hypothesis,
- Equipment,
- Method
- What you will do with the results that you get