

# SCIENCE PROGRAM

## Specialist Science Program

Through a student-centred, inquiry approach to teaching and learning, our Science program develops students' interest in Science by expanding their curiosity and willingness to explore, ask questions about and speculate on the changing world we live in. The curriculum covers Physical, Chemical, Biological and Earth & Space Sciences

Students learn to understand the nature of scientific inquiry skills and develop their ability to apply a range of inquiry methods. These include questioning and predicting, planning and conducting, processing and analyzing data and information, communicating and evaluating.



## Teaching Approach

During Science these lessons, the focus is largely on developing collaboration skills and embedding the use of information technologies.

The use of the Primary Connections program aims to link Science with literacy through an inquiry and investigative approach to learning. It lends itself to authentic activities and assessment tasks that ensure student engagement is maximised.

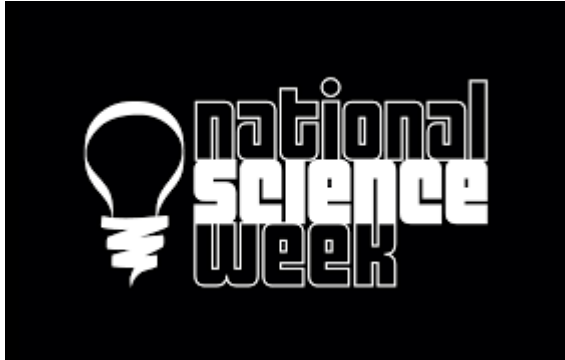
This is demonstrated through the use of hands-on, practical investigations where students are exposed first-hand to various phenomena.

Students work collaboratively, sharing ideas as well as teaching and learning from others. Lessons involve a combination of individual, pair, group and whole class activities. This encourages inclusion and participation from all. Collaborative learning opportunities not only promote more effective learning, but also improve interpersonal and communication skills among peers.

Science lessons at Swanbourne endeavour to make frequent use of information technologies. It is recognised that, in this digital age, young people need to be highly skilled in its use across all learning areas as well as beyond the realms of the classroom. This enhances student learning whilst preparing them for the demands of the future.

## Events and Activities

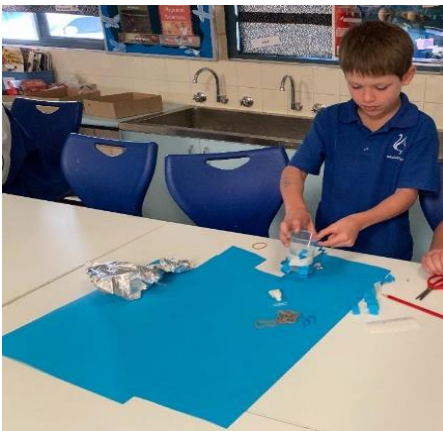
### National Science Week Destination moon:



### More missions, more science

Throughout Science week, students participated in a range of space and astronomical activities including:

- Lunar Landing STEM challenge
- Lunar Rover Challenge
- Augmented reality space cards
- Stellarium
- Build and test rocket ships



## Events and Activities

- Sensory play area



To conclude the week, the Science Room was open during recess and lunch to mark the occasion. Students and staff were invited to view and test the creations produced by individuals and their peers throughout the week.



## Events and Activities

### Young Re-inventor of the Year:

*Switch your thinking project 2019: Plastic Pirates Ahoy!*

Linking with the Western Australian Cross-Curriculum priority of Sustainability, Swanbourne Primary School entered the Young Re-inventor of the Year competition. The project aims to provoke thinking among students as they endeavour to improve sustainable patterns of living.

The challenge for 2019 was to reinvent plastic into something that can be treasured. Students from Years 1-6 were asked to collect plastic from their homes, then work collaboratively to create a large plastic swan. This also linked to the development of the school's new logo.

