

# TECHNOLOGIES in Term 1 with Ms. Princi

Rooms 1 and 3 will be looking at:

- exploring how technologies use forces to create movement in products such as designing and making a push or pull toy based on toys children experience at home and also the types of toys used to teach cultural skills used by children in Aboriginal and TSI communities.
- exploring natural and man-made materials with a focus on materials in the school and home environment.

Room 3 will also be learning about Biological Science through the topic 'Dinosaurs and More' As part of this topic students will explore the features of a variety of creatures, their homes and habitats.

Rm 4 and Pod 3 will be:

- exploring how technologies use forces to create movement in products  
This will include activities such as combining materials and using forces in design, for example  
designing a simple conveyor belt to move materials short distances and exploring how to manipulate materials using a range of tools, equipment and techniques to create movement, for example when  
constructing a toy boat that floats and moves

Room 12 will be:

- investigating how forces and properties of materials affect the behaviour of a product. We will be doing this by designing and testing a device that will allow an egg or tomato to be safely dropped from a height without causing damage and will be designing a broom from natural materials to investigate if it can be used in a household for cleaning.
- investigating simple machines and designing prototypes to illustrate examples of how they are used to carry out tasks.

Pods 2A and 2b will be:

- investigating characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use, such as designing and construction of a sustainable household item eg a broom made of natural resources
- reflecting on the importance of aesthetics, function and sustainability in product design, such as a sustainable method of moving a scooter for a student with an injured limb

Pod 1 will be:

- identifying needs and new opportunities for design and enterprise, for example promotion and marketing of designed solutions, such as designing a scooter prototype that can be used by a person with an injury to still enjoy using the device with friends that is powered by a cheap sustainable energy system and design and construct a prototype of a learning tool to teach younger students about the orbital patterns of the moon, earth and sun which needs to involve movement of the planets to show their orbits.
- we will be looking at persuasive/discussion writing on the topic of Technology - is it our friend or foe!

