

Science and Technology in Kindergarten

Science and Technology fosters in students a sense of wonder and curiosity about the world around them. Students are encouraged to embrace new concepts and to learn through trialling, testing and refining ideas. They are supported to participate responsibly in developing innovative ideas and solutions in response to questions and opportunities relevant to them and the world around them.

Through studying Science and Technology students explore scientific and technological concepts and gain knowledge and understanding of the world. They develop skills in conducting scientific investigations and designing and producing solutions through learning about the Living World, Material World, Physical World, Earth and Space, and Digital Technologies.

In Kindergarten, students:

- Record observations using drawings, simple digital recording methods, oral descriptions and/or simple visual representations
- Recognise that plants and animals can be used for food, or materials (fibres) for clothing and shelter
- Identify and describe how the properties of different materials suit their design purpose
- Observe the effects of push and pull forces on familiar objects, for example changes in motion and changes in shape
- Identify daily and seasonal changes that occur in our environment, such as day and night, and changes in the weather
- Explore familiar digital devices, for example a computer, a device to take a digital image
- Follow and design a sequence of steps (algorithms), for example following a procedure.

In term 1, students focused on the Earth and Space strand. We learnt about daily and seasonal changes in the environment and investigated how living things respond to these changes in the environment. Early Stage 1 of this strand introduces students to the foundational understanding of the Earth as a dynamic interrelated part of physical and biological systems.



In term 2, our unit of learning was On the Move. The Physical World strand focuses on the physical characteristics of objects and the effects of these on how they move. It allows students to investigate how push and pull forces create movement and introduces the fundamental concepts of force and motion.



This term our focus is Living World. Students focus on living things, their characteristics, needs, behaviours and the environment in which they live. We will explore how plants and animals satisfy our needs by providing us with the resources for the production of food and fibre.

