

Integrated Curriculum – Science**Earth and Space Sciences**

Prep/ One	Year Two	Years 3 and 4	Years 5 and 6
This term students will be exploring the properties of familiar objects and phenomena, identifying similarities and differences. Students will learn that observable changes occur in the sky and landscape and that daily and seasonal change affect their everyday life.	This term students will be exploring the properties of familiar objects and phenomena, identifying similarities and differences. Students will learn that observable changes occur in the sky and landscape and that daily and seasonal change affect their everyday life.	This term students will learn that the Earth's rotation on its axis causes regular changes, including night and day. Learning in this unit will also focus on how the Earth's surface changes over time and the influence of natural processes and human activity.	This term students in Year 5/6 will be learning Earth is part of a system of planets orbiting around a star, exploring the relative size, distance and placement of these objects in relation to Earth. Students will also come to understand that sudden geological changes or extreme weather conditions can affect Earth's surface.

Physical Sciences

Prep/ One	Year Two	Years 3 and 4	Years 5 and 6
Students will learn that the way an object moves depends on a variety of factors including its size and shape. They will also test ideas to understand how a push or a pull affects an object and its shape or movement. Students will also be exploring sources that produce light and sound and how they are sensed.	Students will learn that the way an object moves depends on a variety of factors including its size and shape. They will also test ideas to understand how a push or a pull affects an object and its shape or movement. Students will also be exploring sources that produce light and sound and how they are sensed.	In this unit students will learn that heat can be produced in many ways and can move from one object to another. They will also explore how a change in the temperature of an object is related to the gain or loss of heat by the object. Students will also understand that forces can be exerted by one object on another through direct contact or from a distance.	This term students will come to know that light from a source forms shadows and can be absorbed, reflected and refracted. They will also explore energy, understanding that a variety of sources can be used to generate electricity. Students will learn that electric circuits enable energy to be transferred to another place and then to be transformed into another form of energy.