

Specialist

Science

Yrs 3, 4 & 5



Welcome to 2018!

Term 1

Earth and Space Sciences



Please feel free to contact me during the year if you need.

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Dear Parents/Guardians,

My name is Amanda Coad and I am the Years 3-5 Science teacher at Magill. The seven classes I am taking will be engaged in the four science areas outlined in the Australian Curriculum throughout the year. These areas are Physical Sciences, Biological Sciences, Chemical Sciences and Earth and Space Sciences. Students in Term 1 will be examining the **Earth and Space Sciences**. Each year level will engage in a continuum across this topic, which are outlined below. Across these learning areas students will be involved in building their understanding, inquiry skills and examine the influence humans have in these areas.

Most students will have already being exposed to and developed a range of understandings about this topic. However, it is my aim to further develop and expand on this understanding through a range of learning experiences. These experiences include, 'hands on' activities, practical experiments, investigating, researching and reflecting on inquiry questions that require solving problems that make connections to real life world experiences. It will also include individual written work, group work, report writing and data collection. Students will be assessed throughout the term with feedback being given verbally and in writing about their effort and achievement. Graded reports are given out at the end of Term 2.

Year 5 - Students will be exploring and learning that the earth is part of a system of planets orbiting around the sun. They will also be developing skills in recording, organising and interpreting data and representing data in tables and graphs. They will also compare data with prediction and use this as evidence in developing explanations of scientific phenomena. They will discover how scientific understandings, discoveries and inventions are used to solve everyday world problems.

Year 4 - Students will be investigating how Earth's surface changes over time as a result of natural processes and human activity. They will be making predictions, describing patterns and their relationships in understanding natural process effects over time. They will be required to design a house and simulate a landslide and its terrain. They will explain how they can make changes to that terrain by applying what they have learned about soil in order to reduce the negative impacts to human life and property.

Year 3 - Students will be examining how Earth's rotation on its axis causes regular changes, including night and day. They will explore how science knowledge helps people to understand the effect of their actions. They will use a range of methods including tables and graphs to represent data and identify patterns in science to assist them when communicating their findings to their peers. They will compare their predictions to their findings and reflect on the investigations examining whether it was a fair test or not.