

SCIENCE 2020 TERM 1 OVERVIEW

In 2020 the Science focus across 3-7 will be 'The Scientific Method'. Depending on their year level, students will begin and continue to develop their skills in applying this process to their classroom practice and will understand that science is embedded in their lives beyond the classroom.



SPECIAL EVENTS FOR TERM 1

Careers in STEM Evening

To be held after school at Magill School in week 8 on Monday 16th March 2020

This event will give students the opportunity to meet and listen to presentations given by members of the local community who have careers in the areas of Science, Technology, Engineering and Maths.

Donations:

Science is always looking for donations. This term we are accepting donations of any materials such as wool, clothing, foil card rolls, herb and vegetable plant seeds, plastic containers, pots and jars.

Term 1 Curriculum Overview

Amanda Coad: Science years 3-5

Works Monday - Wednesday

Email: Amanda.coad901@schools.sa.edu.au



Students will examine how natural and processed materials have a range of physical properties and will discover how these properties can influence everyday practical uses. They will build skills in making effective decisions when deciding what materials are best used in different scenarios. The year 5's will be comparing the changes to these materials and determining if the changes are reversible or irreversible. Using the "Scientific Method" they will be provided with opportunities to compare their predictions with their findings and will use this evidence to develop explanations of scientific phenomena. Report writing and fair testing will be the central focus in this unit.

Danielle Bator: Science years 5-7

Works Monday - Thursday

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Year 5 and 6

In Biology we will identify some specific adaptations of animals and plants and compare the structure of the adaptation to its function. We will explain how particular adaptations contribute to the survival of a living organism. We will collect data, construct tables and graphs and use that data to state conclusions. We will investigate how the growth and survival of living things is affected by the physical conditions of their environment ie how living organisms adapt to their environments



and grow differently in different environments. We will conduct experiments, process data and evaluate our work in order to solve problems which directly affect people's lives.

Year 7

In Biology we will learn about how scientists classify all living things using the Linnean Classification System. We will learn about the interactions between food chains, food webs and natural ecosystems and investigate the ways human activity impacts on certain ecosystems such as the Great Barrier Reef marine ecosystem and the native Australian bush ecosystem. We will create and use dichotomous keys, conduct experiments, collect data, write hypotheses and suggest solutions for current environmental issues, such as global warming, deforestation, protection of endangered species, pollution and resource depletion.

Due to the recent bushfire disasters in Australia, our 'Science as a Human Endeavour' portion of the curriculum will relate to the Australian landscape and how fire (in native bush areas) has impacted the ecosystem and the local population.