

Science Breakdown for Year 2 for 2017

Term 1 – Chemical Sciences – All mixed up

We are surrounded by mixtures — the air we breathe, the food we eat and drink, and our personal grooming products. Chefs try mixing ingredients in different ways to make tasty combinations and interesting textures. Through inquiry, scientists have developed mixtures that are useful for all kinds of purposes, such as alloys, amalgams and paints, to name but a few. Indeed, it can be surprising just how many things that we take for granted every day are the result of inquiry into mixtures. For example, how different our lives would be without the myriad of inks, glues and detergents at our disposal.

ACSSU031 - Different materials can be combined, including by mixing, for a particular purpose

Term 2 – Earth and Space Sciences – Water Works

Water is essential to life. As humans, we not only drink water, we use it for cooking, hygiene, recreation and agriculture. Australia is a dry continent with an expanding population, and how we use water has become increasingly important. Water is a precious resource.

ACSSU032 - Earth's resources are used in a variety of ways

Term 3 – Biological Sciences – Watch it grow

All living things have their own life story, but all species share in the same cycle of growth, change, reproduction and death. Understanding more about the life cycles of various species can help us in many ways. It might help us to protect and preserve endangered species, to manage and control unwanted species like insect pests, or to improve animal husbandry.

ACSSU030—Living things grow, change and have offspring similar to themselves.

Term 4 – Physical Sciences – Push-Pull

Forces are at work in everything we do – we push to open doors, and pull to tie ropes. Gravity pulls on things to make them fall down or to keep them down. Scientists and engineers study forces to design better bridges and faster aeroplanes, and to reduce the forces that impact on people in car accidents.

ACSSU033 - A push or a pull affects how an object moves or changes shape