

Science Breakdown for Pre Primary for 2017

Term 1 – Chemical Sciences – What’s it made of?

All around us are things made from interesting materials. Who would once have imagined things like CDs, self-adhesive notes or floppy silicone ovenware? Materials that we now take for granted are the products of imagination and exploratory science. What new materials will be part of the world of the future and how might existing materials be used in new ways? What might materials allow us to make and do?

ACSSU003—Objects are made of materials that have observable properties

Term 2 – Earth and Space Sciences – Weather in my world

Each day the weather affects our work and leisure activities. The weather influences our decisions about what to wear and the things we do. Severe weather phenomena such as droughts, floods and cyclones have serious impacts on communities. Horticulture, farming, fishing and tourism are highly dependent on weather. The accurate prediction of weather patterns and interpretation of weather forecasts are very important to our economy and lifestyle.

ACSSU004—Daily and seasonal changes in our environment affect everyday life

Term 3 – Biological Sciences – Staying alive

All animals, including humans, use their sensory organs to gather information about their environment. The sharp eye, the cocked ear, or the careful sniffing of air can warn animals of dangers that might threaten their survival. Humans use senses to gather information not only critical for our immediate safety, but also for planning to meet our basic needs for things such as food, water and shelter.

ACSSU002—Living things have basic needs, including food and water.

Term 4 – Physical Sciences – On the move

Why do things move? The universe, and everything in it, is continuously moving and changing. Movement and change are concepts that we need to understand to make sense of the world around us. They are linked to concepts of energy and force. Scientists and engineers apply these concepts to study the performance of athletes and in the design of toys, cars and spacecraft.

ACSSU005 - The way objects move depends on a variety of factors, including their size and shape