

## Science Breakdown for Kindy for 2017

### Term 1 – Chemical Sciences – Muds and Suds

The Mud and Suds unit explores the importance of personal hygiene to stay healthy. We explore why animals clean themselves and how they do this. The importance of mud for animals such as pigs and why they roll in it. How soaps act upon dirt as well as the effect of dirt on our clothes.

### Term 2 – Earth and Space Sciences – Is the grass still green at night?

Is the grass still green at night looks at expanding children's knowledge of why there is a light and dark part of every day. This is developed through fostering a greater understanding of the characteristics of day and night, exploring shadows, and observing the relationship between Earth and the Sun.

### Term 3 – Biological Sciences – Look what we found in the park

We begin by exploring our natural environment and collecting a range of natural objects that provoke our interest. This becomes the basis for activities to increase knowledge of the natural environment, connections with it, and an awareness of our responsibility towards that environment. We will also explore and discover the details of trees such as bark, leaves, roots, branches etc. as well as the many colours of nature.

### Term 4 – Physical Sciences – The sun changes everything

Energy is a very abstract concept for young children to comprehend. We therefore focus on how energy is associated with situations undergoing change. The emphasis of this unit is on the influence of the Sun's energy on our everyday lives and how this energy creates change.

Children can easily relate to their experiences of warmth from the sun and other heat sources. This unit expands our knowledge about how the Sun's heat and light energy influences our lives.

### Outcomes addressed from the Early Years Learning Framework

Outcome 1

Outcome 2

Outcome 3

Outcome 4

Outcome 5