

**Computing**- The children will program the bluebot robots using the ipads to move around a map. They will create algorithms, debug any errors and predict what might happen. We will also begin to use 2 Code and explore basic computer coding.

**Art/DT** - We will be exploring Aboriginal art by looking at examples including early cave paintings. We will be using paint and cotton buds to create our own aboriginal art and make and decorate our own boomerangs.

We will work together to make a large model of Sydney Harbour Bridge.

### RE/PHSCE

**RE:** We will be exploring celebrations in our unit 'Who celebrates what and why'.

Our PHSCE throughout this term is relationships. During forest school sessions we will be promoting the importance of team work and reinforce the need to care for and look after each. We will share and take turns and encourage each other to achieve goals.

**PE** - The children will be taking part in gymnastics where we will develop our balance and coordination in our floor work and when using different apparatus.

**Maths** - The children will consolidate previous work in addition, subtraction, multiplication and division.

We will develop our mental maths skills in these four operations.

We will solve one and two step problems involving all four operations by calculating the answer using concrete objects and pictorial representations.

**Summer 1 - 2017**

**It's a bug's Life -  
Down Under  
Class 2**

**Literacy**- We will read stories set in a forest including Little Red Riding Hood and the Gruffalo. We will also read Tiddalik, a story set in Australia. We will explore the features of these stories and the language used, using them as inspiration for our own stories.

We will be writing statements, questions and exclamations, using the correct punctuation and adding detail and description. We will join our sentences together to form short stories. We will change nouns from singular to plural by adding s and add 'er' and 'est' to adjectives.

**Geography** - The children will be looking at Ariel view maps using Google earth and maps of our local area. They will create their own playground map using symbols and a key.

We will learn about the weather, climate and seasons in the UK and compare it to Australia. They will learn the effects climate has upon the landscape and what can and can't grow.

### Science -

We will be observing plants and animals in our local environment. We will be learning the names of trees and plants in our local area.

We will be observing how plants grow and looking at how to grow healthy plants.

We will also look at what humans need to do to keep healthy.

**Music** - We will explore timbre, tempo and dynamics through using percussion instruments and listening to different music. We will listen to music played by a didgeridoo and have a close look at one in class.

### Computing

To understand what algorithms are; how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions.

### Art and Design

\*Use a range of materials creatively to design and make products.

\*Use drawing, painting and sculpture to develop and share their ideas, experiences and imagination.

\*Develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space

### DT

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

### PE

Master basic movements including running, jumping, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities.

### PHSCE & RE

- Understand different cultures, faiths and their celebrations.
- Compare beliefs

### Maths

#### Year One

- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.
- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

#### Year Two

- add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
  - a two-digit number and 1s
  - a two-digit number and 10s
  - 2 two-digit numbers
  - adding 3 one-digit numbers
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

**Summer 1 - 2017**  
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### Literacy

We will develop positive attitudes towards and stamina for writing by:

- Writing narrative
- Writing about real events
- Writing poetry
- Writing for different purpose

We will learn how to use:

- Sentences with different forms: statement, question, exclamation, command
- Expanded noun phrases to describe and specify
- The present and past tenses correctly and consistently

### Geography

#### Human and Physical Geography

- Identify seasonal and daily weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the Equator and the North and South Poles.

#### Geographical Skills and Fieldwork

- Use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans studied at this key stage.

### Science

#### Year One

- Observe changes across the 4 seasons.
- Identify and describe the basic structure of a variety of common flowering plants including trees.
- Identify and name a variety of common wild and garden plants including deciduous and evergreen trees.

#### Year Two

- Observe and describe how seeds and bulbs grow into mature plants
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene

### Music

- To experiment with, create, select and combine sounds using the inter-related dimensions of music.
- To play tuned and untuned instruments musically.