

## Year 1 and 2 Spring 2

Author of the Half Term: Mairi Hedderwick

Poem: Adventures of Isabel by Ogden Nash

**Science:** Living things and their habitats

**Key Question:** What would you like to know about the animals on Seaton Beach?

**Key Vocabulary:** fish, amphibian, reptile, birds, mammal, carnivore, herbivore, omnivore, habitat, microhabitat, structure

### **Key Knowledge:**

Some common fish are trout, cod, and sticklebacks. Some common amphibians are frogs, toads and newts. Some common reptiles are sand lizards, crocodiles, and turtles. Some common birds are robin, puffin, and oystercatcher. Some common mammals are fox, deer, seal and rabbit. Different types of animals have different structures.

A carnivore is an animal that eats meat; a herbivore eats only plants and an omnivore eats both meat and plants.

A habitat is a place where an animal lives which provides the animal with what it needs such as food and shelter.

Some examples of coastal habitats are seashore, sand dune, cliffs and rock pool.

A microhabitat is a small area which is different from the surrounding habitat, such as under a rock or in the bark of a tree.

Some features of coastal habitats are salt water, wind, sand and rocks.

Some animals can live in coastal habitats but others cannot e.g. saltwater and freshwater fish.



### **PE: Skipping**

#### **Key Vocabulary:**

skipping, balance, coordination, single bounce, double bounce, diagonally

#### **Key Knowledge:**

We start skipping by holding the rope to make a "smile".

A single bounce is one jump and a double bounce is two small jumps.

We can jump in and out of a moving rope facing forward and diagonally.



### **Computing: What is an algorithm?**

#### **Key Vocabulary:**

Algorithm, BeeBot, instructions, programme

#### **Key Knowledge:**

An algorithm is a set of instructions.

When creating instructions we need to focus on one step at a time.

Writing clear instructions will allow you to programme a BeeBot.



### **DT: Moving vehicles (wheels and axles)**

#### **Key Vocabulary:**

chassis, dowel, mechanism, wheel, movement, force, purpose, function, stable, bar, axle, rotate, design specification

#### **Design Brief:**

To make a vehicle which can move the Lego man from one place to another

#### **Design Specification:**

The product must:

-be able to move forwards in a straight line.

-have 4 wheels.

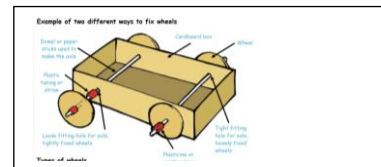
-have axles that allow it to move.

#### **Key Knowledge:**

An axle is a bar that goes through the wheels.

Wheels need axles to be able to rotate.

A mechanism is the part that enables something to move.



### **RE- Why does Easter matter to Christians?**

#### **Key Learning and Vocabulary:**

**Incarnation** (where God became man) and **Salvation** (where humans are saved) are both part of the 'Big Story' of the Bible.

The Easter story begins on Palm Sunday where Jesus entered Jerusalem.

Jesus was **betrayed** (to do something which hurts others) and arrested at the Mount of Olives.

Jesus was **crucified** (put to death on the cross) and resurrected, where he appeared to Mary Magdalene and the disciples.

Easter eggs remind Christians of the empty tomb and the egg is a symbol of new life.

Christians remember the Easter story with Palm crosses and church services.

Christians believe that if you trust God there is another life after this, in heaven with God.



### **PHSE: Conflict Resolution**

**Key Vocabulary:** conflict, resolve, resolution, bullying

#### **Key knowledge:**

Bullying is when someone does something to you that you do not like, several times, on purpose. There are four types of bullying cyber, physical, social and verbal. If we are bullied, we know who we can go to for ourselves and friends.

To calm down we can stop, take a deep breath and think about the situation.

To calm down we can think of something nice.

We can help our friends by listening to them, respecting them and finding solutions together.

### **Geography: Comparing climates**

**Key Vocabulary:** weather, climate, polar, temperate, warm, tropical, sun, ray, season, temperature, globe, thermometer,

#### **Key Knowledge:**

A thermometer is a device that measures temperature. Climate is the weather patterns in a place over a long time. Different kinds of weather are rain, wind, fog, frost and snow.

The three main climate zones in the world are tropical, temperate and cold.

The Equator is an imaginary line that goes round the middle of the world.

Countries near and on the equator have hotter climates because the sun's rays are more direct here.

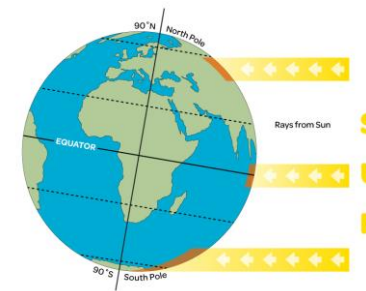
Countries far from the equator have colder climates because the sun's rays are less direct here.

The North Pole is in the Arctic Ocean at the top of the world. The South Pole is in Antarctica at the bottom of the world.

Countries with cold, or polar, climates are nearer the poles. They have long, freezing cold winters with lots of snow and ice. They have short, cool summers. Greenland and Antarctica have cold climates.

The United Kingdom has a temperate climate which means it has four distinct seasons: spring, summer, autumn and winter. The winters are cool and the summers are warm.

Places near the Equator like Ethiopia and Jamaica have a tropical climate. They have little change in their seasons and tend to alternate between dry and rainy seasons. They are hot all year.



### **Music: Recorders**

#### **Key Vocabulary:**

Pitch rhythm recorder

#### **Key Knowledge:**

We can play notes C, D, E, F, G, A

We can play a simple melody on the recorder.

