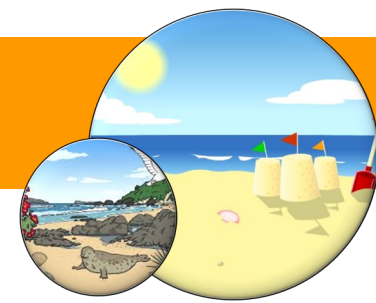




Year 1 - Summer 2 - Science Knowledge Organiser: Holidays



What I already know...

We are now knowledgeable about differing habitats from the polar regions to desert islands. We are also building our knowledge about different types of animals and plants are able to identify many depending upon their diet. This term we explore Animals including Humans in the context of seashore animals and plants, children will revisit the recurring knowledge from Autumn and Spring

Key Vocabulary

| | |
|-------------------------------------|--|
| marine animals | Animals who live in the sea such as seals, porpoise, otter, |
| coastal birds | Birds that live by the sea such as seagulls, puffins, oyster catcher, guillemot, curlew. |
| under water plants | Plants that grow in or close to the sea such as seaweed, sea holly, marram, sea lettuce |
| seashore minibeasts | Creatures that the live near to the sea such as mussels, shore crabs, hermit crab, shrimp, prawns |
| fish | Such as plaice, trout, catfish |
| carnivore herbivore omnivore | Plant eaters are herbivores, meat eaters are carnivores, and animals that eat both plants and animals are omnivores. |
| absorbent | able to soak up liquid easily. |
| waterproof | A material that will not allow water through |



Making a difference at The Merton

We will start to get ready for the summer by finding out about the different ways we can keep safe in the sun and become familiar with why they need to 'slip, slop, slap'. Children will learn how to keep cool and hydrated and will investigate how to keep their water cool on a sunny day out by exploring which materials may provide effective insulating properties. They will continue to develop their understanding of materials and their properties by testing materials to choose which would be most effective when making sunglasses. We will then get ready to go on our own mini-holiday and come to school dressed in our summer clothes and explore rock pools to find out more about seashore animals. We will look at key features of these animals to help us to classify whether they are invertebrates, fish, birds or mammals. We will continue to build on their understanding of food chains and diets, and use these to identify which seashore animals are herbivores, carnivores or omnivores. Children will learn about how humans can affect their environment for good and bad. We will find out about litter pollution on beaches and how not only does it look unsightly but it can be dangerous to children playing, is costly to clear up and how it can harm and kill animals. We learn what we can all do to help look after the environment's we visit better. We will publish our findings in the summer newsletter to spread the word about sun safety.

Making a difference at home

Remember marine life needs protecting. Recycle or re-use your plastic so that it does not end up in the sea or rock pools and cause damage to marine life. If you go rock pooling, enjoy the creatures you find but treat with care and leave them in their natural habitat! Remember to wear a sun hat and sun cream to protect yourself when the sun is beating down.

What I will learn...

Animals and Plants To identify and name animals such as periwinkle, crabs, lobsters, plaice, black headed gull and seal.

To compare the structure of animals, e.g. crab, fish, seagull, seal.

To identify and name a variety of common animals that are carnivores, herbivores and omnivores.

Seasonal Change In the Summer, the weather gets hotter. The daytime is longer and the nights are shorter. Summer has the longest days.

Materials and their Properties To distinguish between an object and the material from which it is made.

To identify, name and describe a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

To describe the simple physical properties of a variety of objects and including carrying out simple tests to answer questions

Working scientifically To ask simple questions and recognise that they can be answered in different ways.

To identify and classify.