

Robins Lane Primary School

frogs and butterflies. By looking at a range of species.

children will be able to consider the ways different

Science Curriculum Map

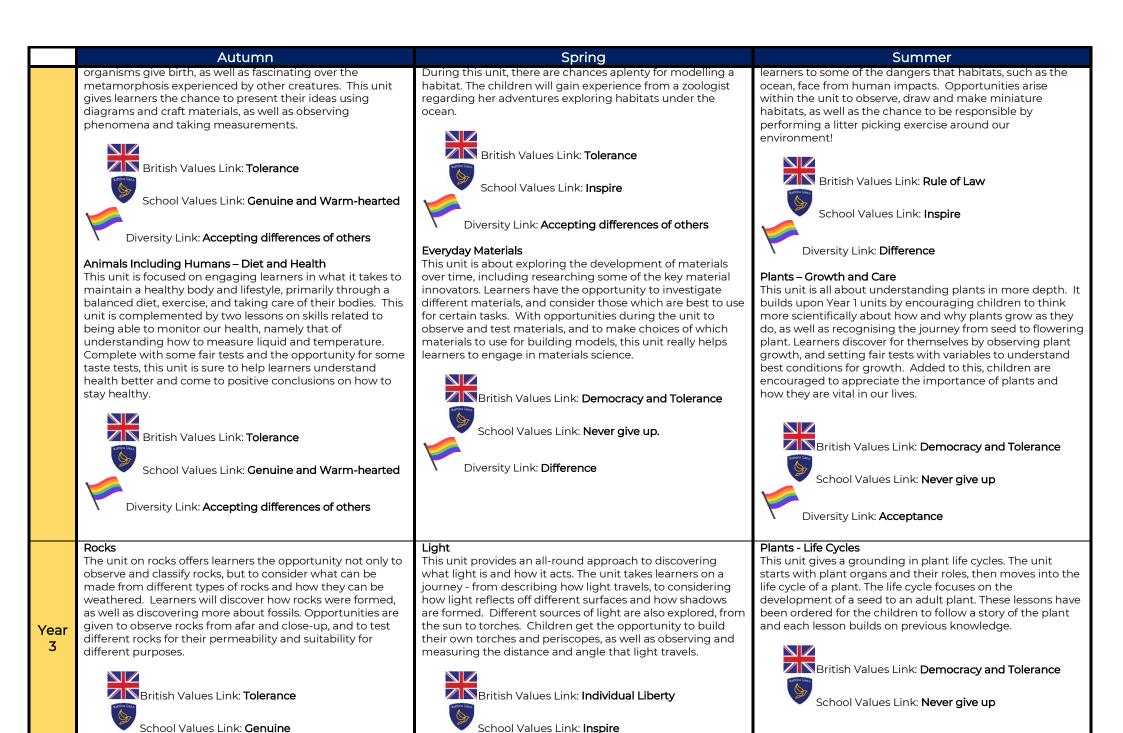
Autumn Spring Summer Seasonal Changes Animals including humans – About Animals **Exploring Everyday Materials** In this unit, learners will develop their understanding from During this unit, learners will start to recognise different In this unit, learners will know more about animals, with a types of weather and how they happen. They will observe particular focus on how to care for pets and other animals in the unit 'Uses of Everyday Materials' by delving deeper into the changes that occur over the seasons. The unit different ways. The unit will lead children from basic the properties and qualities of different materials we use. By carrying out testing, examining different materials and encourages the study of local climates and weather, but also identification of animals, through to how animals and pets describing what materials look and feel like, this unit how it is different around Earth. During the unit, there is grow. They will discover the basics of genetics, by studying plenty of opportunity for observing weather types, recording characteristics that animals gain from their parents. This ensures children understand why certain materials are used and measuring temperatures and rainfall, as well as gives learners a good understanding of different species for the items we use everyday. exploring how plants and animals may adapt to seasons. and also encourages care and preservation of animals. British Values Link: Democracy and Tolerance Rritish Values Link; Tolerance British Values Link: Tolerance School Values Link: Never give up School Values Link: Inspire School Values Link: Genuine Diversity Link: Difference Diversity Link: Difference Diversity Link: Difference Introduction to Plants Animals including humans – About Me Uses of Everyday Materials **Year** During 'Introduction to Plants', learners will begin to know In this unit, children will begin their journey of learning In the unit 'Uses of Everyday Materials.' learners will the parts of a plant, understand the conditions a plant about themselves and their body. The unit begins with a categorise materials, working out those that are suitable for needs for healthy growth and see how they change over focus on our senses and the basic parts of the human body. different purposes. There is a focus on magnets, and the As we journey through the unit, learners will discover the time. As part of the unit, learners will also be thinking about beginning of understanding how magnets work. Also, plants that are grown as crops, and how we use them as changes our body makes as we grow and also how humans learners will identify natural and man-made materials and food. Learners will also have the opportunity to grow and can mimic nature. This will build the foundations for other the different tests we can use to see if a material is suitable observe the growth of their own plants. 'Animals Including Humans' units, and ensures that children for a task. To ensure learners are thinking about sensible are using correct terminology about their bodies. use of materials, the unit also encourages the recycling and reusing of materials. British Values Link: Tolerance British Values Link: Individual Liberty. British Values Link: **Democracy and Tolerance** School Values Link: Genuine School Values Link: Genuine School Values Link: Never give up. Diversity Link: Accepting differences of others Diversity Link: Accepting differences of others Diversity Link: Difference Animals Including Humans - Growth Living Things and Their Habitats Around the World Living Things and Their Habitats Not only will learners discover more about how humans This unit will help learners explore and understand the During this unit. learners will discover more about natural Year various habitats located around the world. Children get to grow from babies to adults, but they will get the chance to habitats and the organisms that live within them. By compare this life cycle with that of other animals, such as explore habitats such as the ocean, the Arctic and Antarctic studying various habitats, locally and globally, your learners

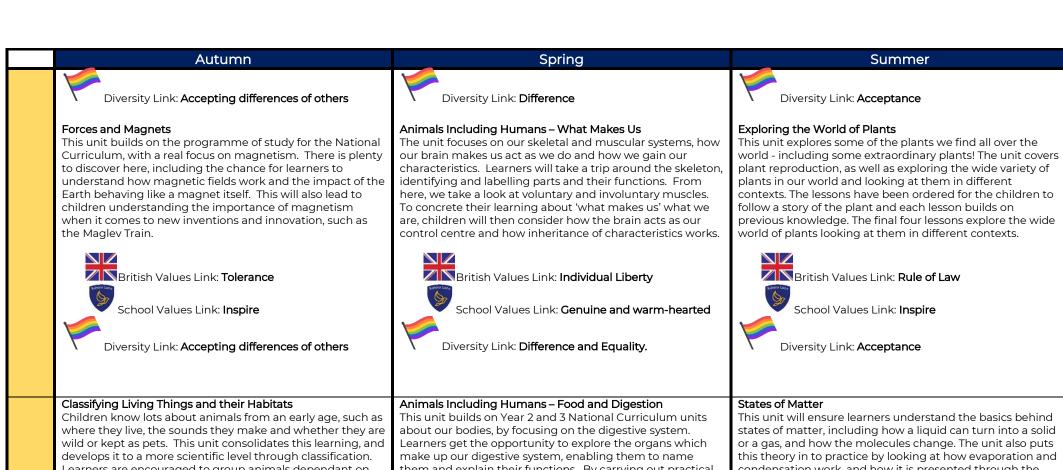
and rainforest. Further to this, children get the chance to

think about how animals have adapted in order to thrive.

will be able to consider how the habitat maintains itself

through its food chain. The unit delves further, by exposing





Learners are encouraged to group animals dependant on different factors, such as: Are they a vertebrate? Are they warm or cold-blooded? What is their diet like? From this point, learners will be able to distinguish between groups of animals and understand how they adapt to the habitats thev reside in.

Year 4



Living Things and their Habitats - Nature and the Environment

This unit focuses on the world around us and the impact that humans have had on nature and different habitats. Within the lesson sequence, learners will be exposed to various ecosystems and then consider the impact pollution them and explain their functions. By carrying out practical enquiries which model how it works, children will understand the concept of the journey food takes from mouth to waste product! To ensure children think about how to keep their digestion healthy, lessons are included on the food pyramid and about vitamins and minerals.

British Values Link: Individual Liberty.

School Values Link: Genuine

Diversity Link: Accepting difference of others.

Electricity

This unit offers the opportunity for children to identify how an electrical circuit works and then put their knowledge into practice by building their own circuits. Including information on how to draw circuit diagrams using symbols. this unit promotes hands-on, practical investigation and

This unit will ensure learners understand the basics behind states of matter, including how a liquid can turn into a solid or a gas, and how the molecules change. The unit also puts this theory in to practice by looking at how evaporation and condensation work, and how it is presented through the water cycle. Furthermore, children will make observations and take part in practical enquiries to find out more on dissolving and diluting substances.

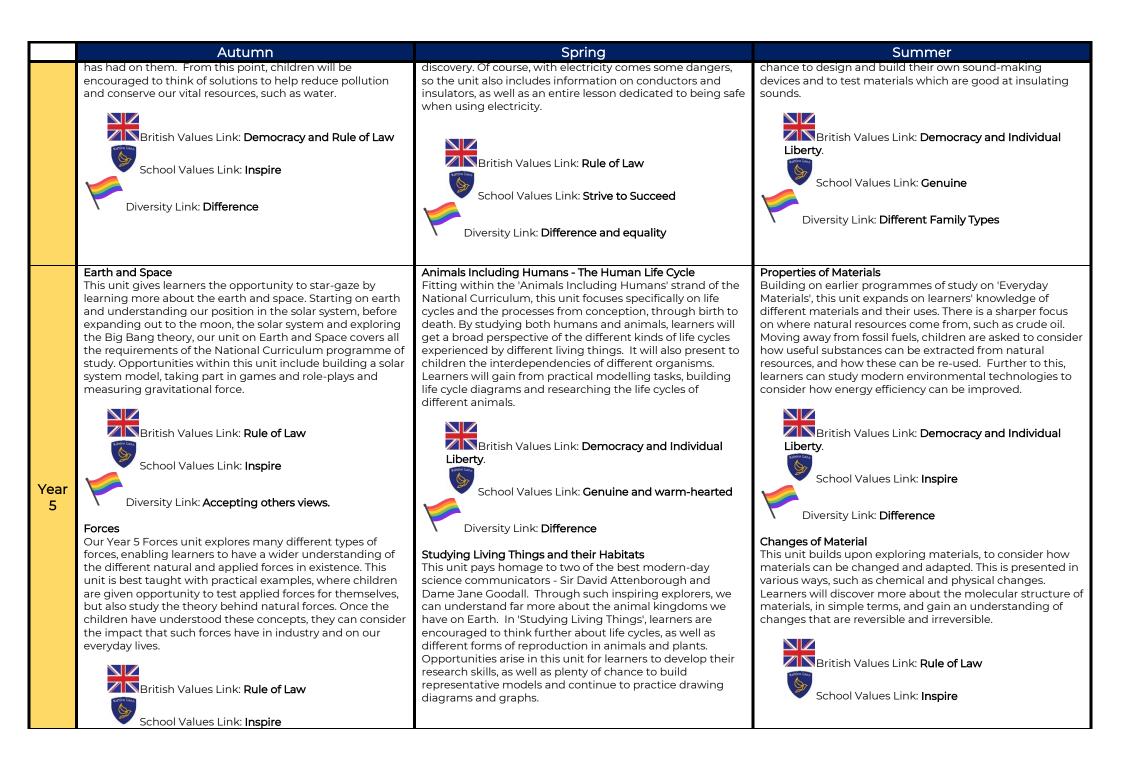
British Values Link: Rule of Law

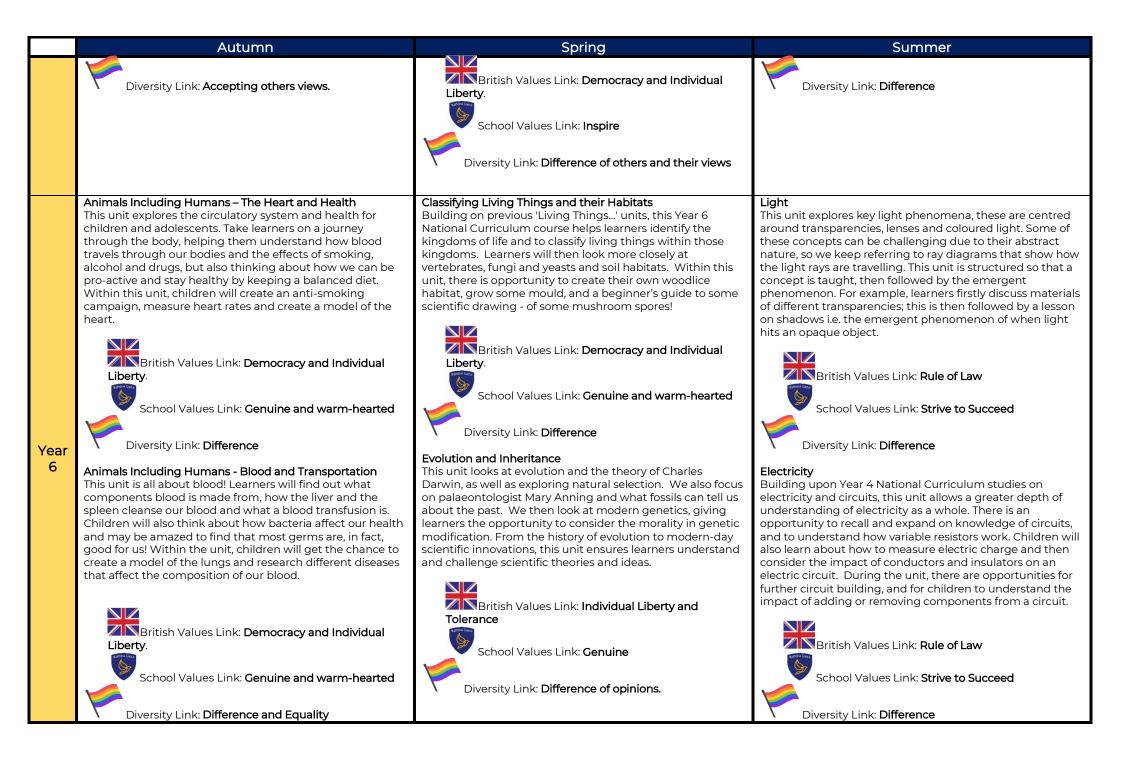
School Values Link: Inspire

Diversity Link: Difference

Sound

As suggested in the title, this unit is all about 'sound'. Learners will look at sound vibrations and how sounds travel through different mediums. Children will then think about the sounds they hear which our pleasant and unpleasant, as well as being safe with sound by understanding how to insulate sounds. During the unit, learners will get the





Autumn	Spring	Summer