Science – Whole School Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS	**Seasons** **Key learning:** Comments and asks questions about aspects of their familiar world such as the natural world. Observe the weather daily and discuss changes over time.		**Materials** **Key learning:** Know about similarities and differences in relation to objects, materials and living things. Talk about the different textures of materials.		**Animals, plants and people** **Key learning:** Explore animals and plants over a period of time; talk about how they change and how they are cared for.	
Year 1	**Everyday materials** **Key learning:** Describing the simple physical properties of everyday materials.	**Seasonal change** **Key learning:** Observe and describe seasonal change.	**Everyday materials** **Key learning:** Grouping different materials and describing the simple physical properties of everyday materials.	**Animals including humans** **Key learning:** Identify and name different animals and parts of the body. Become familiar with different senses.	**Plants** **Key learning:** Identify and name a variety of common plants. Describe a basic structure of flowering plants.	
Year 2	**Animals including humans** **Key learning:** Explore what humans and animals need to survive and be healthy.	**Everyday materials** **Key learning:** Identify and compare the suitability of a variety of everyday materials including for different purposes. Explore the different properties of solid materials.	**Living things and their habitats** **Key learning:** Explore how different habitats meet the basic needs of different animals and plants.	**Plants** **Key learning:** Name and identify deciduous and evergreen trees. Explore how plants grow.		

Year 3	**Rocks** **Key learning:** Compare and group different rocks based on physical properties. Explore how fossils and soil are created.	**Animals including humans** **Key learning:** Explore nutrition, the skeleton and muscles in humans.	**Light** **Key learning:** Explore the properties of light and shadows.	**Forces and magnets** **Key learning:** Explore how magnets interact with each other and different materials. Describe that magnets have two poles and make predictions on whether they will repel or attract.	**Plants** **Key learning:** Explore the functions of plant parts and describe the requirements of plants. Describe the life cycle of a flowering plant.
Year 4	**Animals including humans** **Key learning:** The digestive system including teeth.	**All living things** **Key learning:** Explore different ways that living things can be group and classified using classification keys.	**Sound** **Key learning:** Explore how sounds are made and travel. Look at patterns in pitch and volume.	**States of matter** **Key learning:** Compare and identify the properties of solids, liquids and gases including changes.	**Electricity** **Key learning:** Explore how electricity circuits are used every day, including making their own.
Year 5	**Properties and change of materials** **Key learning:** Compare and group together everyday materials on the basis of their properties. Predict and test how mixtures can be separated.	**Forces** **Key learning:** Explore gravity, resistance and frictions and how forces can be transferred through mechanical devices.	**Earth and Space** **Key learning:** Explore the movement of Earth and other planets relative to the Sun in the solar system and their impact on Earth.	**All living things** **Key learning:** Look at the life cycle of mammals, amphibians, insects, birds and plants.	**Animals including humans** **Key learning:** Look at the development and changes in a human life cycle.

Year 6	**Electricity** **Key Learning:** Explore the impact voltage and circuit design on the components in the circuit.	**Light** **Key Learning:** Explore how light travels and how humans see objects.	**Animals including humans** **Key Learning:** The circulatory system and how different factors can impact on the bodies functions.	**All living things** **Key Learning:** Look at the groupings of living things including micro- organisms.	**Evolution and inheritance** **Key Learning:** Look at how living things have changed over time and how fossils provide information. Identify how animals have adapted to suit their environment in different ways and that adaptation may lead to evolution.