Science Yearly Overview

The Rivers C.of E. Academy Trust

	Autumn Term		Spring Term		Summer Term	
Year 1	**Biology: Animals, including humans** Identify, name, draw and label body parts and senses. What is special about me?	**Everyday materials** Sorting, describing and naming basic common materials. What are the properties of different materials?		**Plants:** Identify and name plants. What do I know about plants?	**Animals, including humans:** Identify fish, amphibians, reptiles, birds and mammals. What do I know about animals?	**Seasonal Change: (ongoing)** How do the seasons change throughout the year?
Year 2	**Biology: Animals including Humans:** How can I keep myself healthy?	**Everyday Materials:** Why are different materials important?	**Living things and their habitats:** What are food chains?	**Plants** How do plants grow?	**Living things and their habitats:** What is a habitat?	
Year 3	**Biology: Animals, including humans:** Nutrition, skeletons and muscles. Are bones important?	**Rocks:** Compare and group rocks, soil and fossils. What are the physical properties of rocks, soil and fossils?	**Plants:** What is the life cycle of a flowering plant?	**Forces:** Friction. How does friction effect movement?	**Magnets:** Magnetic forces, actions of magnets, non/magnetic materials. How do magnets work?	**Light:** Seeing, reflection, and shadows. How does light travel?
Year 4	**Living things and their habitats:** Classification, changes in environment and dangers this poses including the impact of climate change. How can we use groupings to categorise animals?	**Animals, including humans** Digestive system and teeth. How does the digestive system work?	**States of matter:** Solids, liquids or gases, changes of state. Evaporation and condensation in the water cycle. What are the properties of solids, liquids and gases?	**Sound:** How sounds are made, the ear, find patterns between the pitch, volume of a sound and the strength of the vibrations that produced it, how sound reduces as its sources get further away. How does sound travel?		**Electricity:** Basic circuit components, electrical appliances, conductors and insulators. What is electricity?
Year 5	**Earth and space:** Earth, planets, day/night. How have our ideas about space changed over time?	**Forces:** Gravity, air resistance, water resistance and friction, that act between moving surfaces, levers and pulleys. Why are forces important?	**Properties of changing materials** Grouping materials by properties, solids, liquids and gases, changes of state. What are the properties of different materials and how can they change?		**Living things and their habitats:** Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals. Are all life cycles the same?	
Year 6	**Animals including humans:** Human circulatory system, the functions of the heart, blood vessels and blood, impact of diet, exercise, drugs and lifestyle. Why is our heart so important?		**Light:** How light travels, shadows, how eyes see. How are light and sight linked?	**Electricity:** Circuit symbols, effects of cells in circuits. What are the different parts of a circuit?	**Evolution and inheritance:** Fossils, living producing offspring, adaptation. What is evolution?	**Living things and their habitats:** Classifying micro-organisms, plants and animals. Why is classification important?