

Class 2: Science – Cycle A

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
The Human Body - Senses	The Human Body – Skeletal & Muscular System	Seasons and Weather		Plants - Introduction	Plants – Ready, Steady, Grow
Year 1 objectives: 1. Introduction to our body and our senses. 2. Eyes and sight. 3. Ears and hearing. 4. Touch, taste and smell. 5. Understanding sensory impairment.	Year 2 objectives: 1. Animals including humans: survival and offspring. 2. the skeletal system, the muscular system and exercise. 3. The digestive system and healthy eating. 4. The circulatory system. 5. Germs, diseases and preventing illness.	1. The four seasons. 2. Tools to record the weather. 3. Using a graph to show information about the weather. 4. Clouds and what they tell us: cirrus, cumulus and stratus. 5. Weather forecasting.		Year 1 objectives: 1. What plants need. 2. Parts of plants. 3. Seeds. 4. Deciduous and evergreen plants. 5. Plants we eat.	Year 2 objectives: 1. Plants around us. 2. Seeds and bulbs. 3. Comparative test 1. 4. Comparative test 2. 5. Food and farming.

Class 2: Science – Cycle B

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
		Carnival of the Animals: animals and their needs		Materials and Magnets	Materials and Matter
		1. Grouping animals: fish, amphibians, reptiles, bird and mammals. 2. Grouping animals: carnivores, herbivores and omnivores. 3. Animals as pets. 4. What is a habitat? 5. Geography objective. 6. Geography objective.		Year 1 objectives: 1. Everyday materials. 2. Properties of materials. 3. Uses of materials. 4. Magnets. 5. Investigation.	Year 2 objectives: 1. Materials and their uses. 2. George De Mestral and Velcro. 3. Matter under the microscope. 4. Changing solid objects. 5. Liquids and their properties.

Class 3: Science – Cycle A

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
The Human Body – Skeletal & Muscular System	The Human Body – teeth and digestion	Forces and Magnets	Rocks	Plants	
Year 3 objectives: 1. The muscular system. 2. The skeletal system. 3. the nervous system. 4. Preparing to eat. 5. The digestive system.	Year 4 objectives: 1. Cells and nutrients. 2. teeth and senses. 3. Digestion. 4. A healthy diet 5. Vitamins and minerals.	Year 3 objectives: 1. Forces (gravity). 2. Friction. 3. Magnets. 4. Magnetic poles and fields. 5. Investigating the strength of magnets.	Year 3 objectives: 1. Sorting rocks. 2. How rocks are formed. 3. Permeability. 4. Fossils. 5. Soil.	Year 3 objectives: 1. Botany and flowering plants. 2. Requirements for life and growth. 3. Water transportation in plants. 4. Pollination in flowering plants. 5. Seed dispersal.	

Class 3: Science – Cycle B

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Electricity	States of Matter: The Water Cycle	Light	Sound		Living things and their habitats
Year 4 objective: 1. Electrical safety. 2. Parts of a circuit. 3. Switches. 4. Thomas Edison and Lewis Latimer. 5. Investigating conductive and non-conductive materials.	Year 4 objective: 1. States of matter. 2. Evaporation. 3. Condensation. 4. Precipitation. 5. The water cycle.	Year 3 objectives: 1. Light and dark. 2. Transparent and opaque surfaces. 3. Mirrors and reflection. 4. Shadows. 5. Finding patterns in changing shadows.	Year 4 objectives: 1. What is sound? 2. Speed of sound. 3. Qualities of sound; pitch and volume. 4. Human voice. 5. Ears: how we hear.		Year 4 objectives: 1. Living things and habitats. 2. Natural cycles. 3. Web of living things. 4. Classes of vertebrates: fish and amphibians. 5. Classes of vertebrates: reptiles, birds and mammals. 6. Classes of invertebrates: insects, arachnids and molluscs.

Class 4: Science – Cycle A

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Living Things	Classification of Living Things	Light	Electricity		The Human Body
Year 5 objectives: 1. Life cycles of plants and animals in our local area. 2. reproduction in plants. 3. life cycles of mammals and amphibians. 4. Life cycles of insects and birds. 5. The work of David Attenborough and Jane Goodall.	Year 6 objectives 1. Classifying organisms. 2. Cells: plant and animal cells. 3. Taxonomy. 4. Vertebrates. 5. Invertebrates.	Year 6 objectives: 1. How light travels. 2. How we see. 3. Shadows and their shapes. 4. Colour of light. 5. Making a periscope.	Year 6 objectives: 1. Simple series circuits. 2. Parallel circuits. 3. Switches. 4. planning an investigation. 5. Investigation.		Year 5 and 6 objectives: 1. Human growth stages and slowing down. 2. The heart: circulation of the blood. 3. Blood vessels and transport. 4. Components of human blood. 5. Blood pressure and heart rate. 6. Heart rate – an investigation.

Class 4: Science – Cycle B

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Astronomy	Materials	Forces			Evolution
Year 5 objectives: 1. The big bang and the expanding universe. 2. gravity. 3. Our solar system. 4. The moon. 5. Our galactic neighbourhood.	Year 5 objectives: 1. Properties of materials. 2. Which material is best? 3. Solubility – which materials are most soluble and what solubility means. 4. Separating mixtures – sieving, filtering, evaporating. 5. Reversible changes – dissolving, mixing, change of state.	Year 5 objectives: 1. Forces, including gravity. 2. Air resistance, water resistance and friction. 3. Guided investigation: paper drop. 4. Guided investigation: paper drop. 5. Pulleys, gears and levers.			Year 6 objectives: 1. Fossils and evolution. 2. Inheritance. 3. Adaptation. 4. Charles Darwin. 5. Alfred Wallace.

