Science

Year 6

- Evolution and Inheritance
  - Evolution
  - Plants and Animals– their ability to adapt to an environment.
  - Fossils
- Light and the Eye
  - How Light Travels in straight lines
- Blood and the Heart
  - Human Circulatory System and the functions of the Heart, blood and vessels.
  - Impact of diet, exercise and drugs
- Reproduction of Plants and Animals
  - Reproduction in plants and animals
- Life Cycles of a mammal, amphibian, bird and insect
  - Differences in life cycles
- Gestation and Puberty
  - Changes to Old Age
- Forces
  - Levers, Pulley and Gears
  - Gravity, Friction
  - Air resistance and water resistance
- Earth and Space
  - Movement of planets and the moon
  - Day and Night

Year 5

- Properties and Changes in Materials
  - Separation techniques
  - Dissolving
  - Reversible and irreversible changes
- Electricity
  - Conductors/ insulators
  - Simple series circuit
- Living Things and Their Habitats
  - Changing environments
  - Classification keys
- States of Matter
  - Changing states
  - Solids, liquids and gases
  - Evaporation and condensation
- Sound
  - Finding patterns in pitch
  - Vibrations
  - Find patterns in volume
- Animals including Humans: Teeth
  - Identify predators, producers and prey

Year 4

- Forces and Magnets
  - Observe how magnets attract and repel
  - Group together materials
  - Describe magnets as having 2 poles
- Plants
  - Describe functions of different parts
  - Water transportation
- Rocks and Soils
  - Group rocks based on properties
  - Explain how fossils are
  - Explain how soil is made
- Light
  - Light reflection
  - Shadows
  - Sun protection
- Digestion
  - Functions and parts of the digestive system
  - Types of teeth
  - Food chains

Year 3

- Animals Including Humans: The Skeleton
  - Compare human and animal skeletons
  - Identify purpose of skeleton
- Animals Including Humans: Nutrition
  - Sugar content
  - Food types
- Animals Including Humans: Food and Hygiene
  - Describe the importance of hygiene
- Animals Including Humans: Indian Mammals
  - Basic needs of animals
  - Understand that animals have offspring that grow into adults
- Plants
  - Observe how seeds and bulbs grow into plants
  - Describe what plants need to grow

Year 2

- Animals Including Humans: offspring
  - Describe and compare the structure of animals
  - Identify and name common animals
- Human Body and Senses
  - Name body parts associated with the senses
- Uses of Everyday Materials
  - Describe how objects can change shapes
  - Suitability of materials
- Animals Including Humans: Exercise
  - Describe basic needs for survival
  - Describe importance of exercise and eating the right amount of food
- Living Things and their Habitats
  - Describe how habitats provide for the basic needs of an animal
  - Simple food chains and different sources of food

Year 1

- Plants
  - Describe the structure of plants, including trees
  - Identify and name plants and trees
- Seasonal Changes
  - Observe changes across seasons
- Seasonal Changes
  - Observe and describe weather
- Everyday Materials
  - Describe simple properties
  - Identify and name materials
- Chick Life Cycles
  - Talking together
- What do plants need to grow?
  - Identify likes and dislikes and similarities/ differences
- Body Parts of the Human Body
  - Talk about experiences

EYFS

- Autumn Changes and Decay
  - Reflection
  - Speaking and listening
- Hibernation— Winter Changes
  - Share feelings and experiences
- Similarities and Differences in Materials
  - Past and present events
- Chick Life Cycles
  - Ask and answer questions about culture and religion