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
- Living things and their Habitats
  - Classifying animals, plants and micro-organisms based on specific characteristics
- Electricity
  - Brightness of a lamp and volume of a buzzer linked to number of volts in a cell
- Working Scientifically
  - Nicolas Tesla
- Gestation and Puberty
  - Changes to Old Age
- Reproduction of Plants and Animals
  - Reproduction in plants and animals
- Life Cycles of a mammal, amphibian, bird and insect
  - Differences in life cycles
- 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

- Animals including Humans: Teeth
  - Food chains
  - Types of teeth
- Sound
  - Find patterns in volume
  - Vibrations
  - Finding patterns in pitch
- States of Matter
  - Solids, liquids and gases
  - Evaporation and condensation
  - Changing states
- Electricity
  - Conductors/ insulators
  - Simple series circuit
- Living things and their habitats
  - Changing environments
  - Classification keys
- Properties and Changes in Materials
  - Dissolving
  - Separation techniques
  - Reversible and irreversible changes

Year 4

- Digestion
  - Functions and parts of the digestive system
- Plants
  - Describe functions of different parts
  - Observe how seeds and bulbs grow into plants
  - Water transportation
- Rocks and Soils
  - Explain how fossils
  - Group rocks based on
  - Explain how soil is made
- Animals including humans: Nutrition
  - Food types
  - Sugar content
- Forces and Magnets
  - Describe magnets as having 2 poles
  - Group together materials
  - Observe how magnets attract and repel
- Light
  - Sun protection
  - Light reflection
  - Shadows

Year 3

- Animals Including Humans: Food and Hygiene
  - Describe the importance of hygiene
- Living things and their Habitats
  - Simple food chains and different sources of food
  - Describe how habitats provide for the basic
- Plants
  - Describe what plants need to grow
- Animals Including Humans: The Skeleton
  - Identify purpose of skeleton
  - Compare human and animal skeletons

Year 2

- Uses of Everyday Materials
  - Suitability of materials
  - Describe how objects can change shapes
- Animals Including Humans: Exercise
  - Describe importance of exercise and eating the right amount of food
  - Describe basic needs for survival
- Animals Including Humans: Indian Mammals
  - Understand that animals have offspring that grow into adults
  - Basic needs of animals
- Plants
  - Describe the structure of plants, including trees
  - Iden-tify and name plants and trees
- Animals Including Humans: offspring
  - Identify and name common animals
  - Describe and compare the structure of animals

Year 1

- What do plants need to grow?
  - Identify likes and dislikes and similarities/ differences
- Human Body and Senses
  - Name body parts associated with the senses
- Seasonal Changes
  - Observe and describe weather
- Everyday Materials
  - Identify and name materials
  - Describe simple properties
- Seasonal Changes
  - Observe changes across seasons

EYFS

- Body Parts of the Human Body
  - Talk about experiences
- Chick Life Cycles
  - Ask and answer questions about culture and religion
- Similarities and Differences in Materials
  - Talking togeth-er
- Hibernation— Winter Changes
  - Past and present events
- Autumn Changes and Decay
  - Share feelings and experiences
  - Reflection
  - Speaking and listening