Science Topics
Grades 1–2

1. Thinking and Working Scientifically

- Asking simple questions
- Observing with senses and simple tools
- Comparing and sorting objects or living things
- Making simple predictions
- Recording observations with drawings, labels, tables, or simple charts
- Recognising simple patterns
- Drawing simple conclusions from observations
- Safe and responsible practical work

2. Living Things and Their Needs

- Living and non-living things
- Basic needs of plants and animals
- Plant parts: roots, stem, leaves, flowers, fruits, and seeds
- Animal body parts and movement
- Human body basics and senses
- Healthy habits: food, water, hygiene, sleep, and exercise
- Simple life cycles
- Habitats and simple survival needs

3. Materials and Their Properties

- Common materials: wood, metal, plastic, glass, fabric, paper, and rubber
- Properties: hard, soft, flexible, strong, waterproof, transparent, absorbent, magnetic
- Sorting materials by properties
- Choosing materials for simple purposes
- Solids and liquids at an introductory level
- Simple changes in shape, size, state, or appearance

4. Forces, Motion, Light, Sound, and Heat

- Pushes and pulls
- Motion: start, stop, faster, slower, direction
- Rolling, sliding, and simple friction ideas
- Light sources and shadows
- Sound as something heard from sources
- Loud and soft sounds
- Heating and cooling in everyday contexts
- Simple safety around heat, light, and sound

5. Earth, Weather, and Space

- Weather observations: sunny, rainy, windy, cloudy, snowy
- Seasons and daily changes
- Day and night
- The Sun, Moon, and stars
- Land, water, rocks, and soil

- Simple environmental care
- Water in everyday life

6. Science in Everyday STEM Contexts

- Simple tools and their uses
- Choosing materials for a task
- Simple build-test-improve activities
- Safety in everyday technology use
- Caring for living things and the environment