

Golden Concepts

Asking scientific questions

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

Key Vocabulary

Soil	A mixture of organic material that covers the Earth. Plants need soil to grow
Water	Water is a liquid needed by all living things.
Air	An invisible gas that surrounds us
Sunlight	A type of light energy produced by the sun
Flower	The brightly coloured part of the plant needed for reproduction
Stem	The part of the plant that transports the water from the roots to the leaves
Leaf	The large green part of the plant that collects the sunlight
Root	The part of the plant that collects water from the soil
Germination	The process by which a seed turns into a plant
Seed	A small protective capsule that contains everything a new plant needs to grow

Plants KS1 Knowledge Organiser

Identification and Basic Characteristics:

- Students learn to identify and name common plants and trees.
- Basic characteristics of plants, such as roots, stems, leaves, flowers, and seeds, are introduced.

Life Cycle of Plants:

- The life cycle of plants is explored, focusing on seed germination, growth, flowering, and seed production.
- Simple observations and hands-on activities like growing seeds in the classroom may be included.

Basic Needs of Plants:

- Students begin to understand the basic needs of plants, including soil, water, air, and sunlight.
- Concepts of planting and caring for plants are introduced

