

Golden Concepts

Asking scientific questions and making observations

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

Key Vocabulary

Cell wall	Rigid structure around a plant cell that provides the plant with its structure
Chloroplasts	A part of the plant cell, the site of photosynthesis
Vacuole	A storage area found in plant cells
Nucleus	The part of a cell that contains DNA
Stigma	Female reproductive organ found in the centre of the flower.
Style	Female reproductive organ that connects the stigma and the ovary.
Ovary	Female reproductive organ of a flower that contains the female sex cell.
Filament	Supports and holds the anther
Anther	Male reproductive organ – makes the pollen
Pollen	Male sex cell in a plant
Pollination	The process of transferring pollen from the male part of a plant to the female part.

Introduction to Plants:

- Basic plant structure and parts (roots, stems, leaves).
- Plant life cycle: seed germination, growth, reproduction.
- Overview of photosynthesis and respiration.
- Basic understanding of plant cells and tissues.

