

Golden Concepts

Asking scientific questions

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

Key Vocabulary

Photosynthesis	The process by which a plant makes its own food
Light energy	Energy that comes from the sun and other luminous sources
Pollen	The male sex cell in plants
Carbon dioxide	A gas made from 1 carbon atom and 2 oxygen atoms
Seed	A small protective capsule that contains everything a new plant needs to grow
Pollination	The process of transferring pollen from the male part of the plant to the female part of the plant
Fertilization	The moment the male and female sex cells fuse together
Stem	The part of the plant that transports water from roots to leaves
Roots	The part of the plant that absorbs water from the soil
Leaves	The part of the plant that collects the sunlight for photosynthesis

Plants KS2 Knowledge Organiser

Plant Reproduction:

- Students explore plant reproduction, including pollination and fertilization.
- Basic understanding of how plants reproduce sexually through seeds is developed.

Photosynthesis:

- Basic concepts of photosynthesis are introduced. Students learn that plants make their own food using sunlight, carbon dioxide, and water.

