

How do different plants reproduce?

Reproduction Term 6 Y5

Key scientist – Maria Sibylla Merian

She was a scientist and a botanical illustrator and is rated as being one of the greatest ever botanical artists. Her evidence documented the nature of metamorphosis and contradicted contemporary ideas about how insects developed. She also undertook scientific expeditions at a time when these were unusual and normally undertaken by men only.

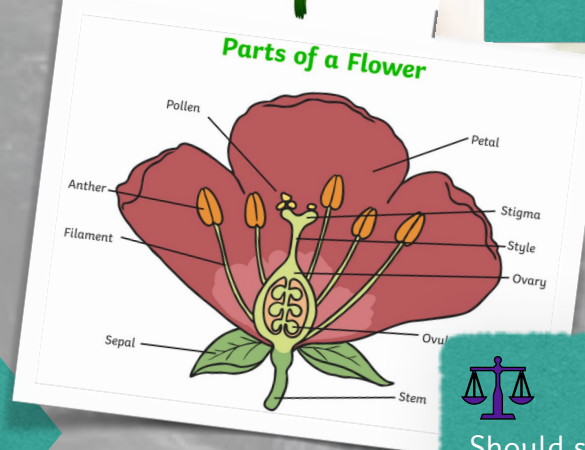
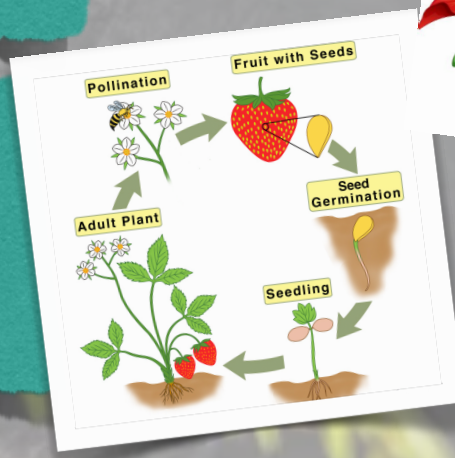
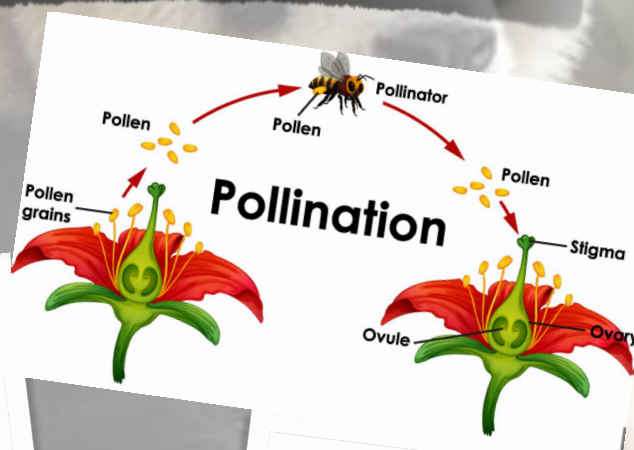


Key scientific concepts

- Asking and exploring questions
- Scientific enquiry
- Recording data

Key learning

- Describe the life process of reproduction in some plants.



Key vocabulary

asexual reproduction	a type of reproduction that does not involve the fusion of gametes or change in the number of chromosomes
fertilisation	the process of fusion of the female gamete (ovules) with the male gamete (pollen)
germination	the development of a plant from a seed or spore
life cycle	the series of changes in the life of an organism including reproduction
pollination	the transfer of pollen to a stigma, ovule, flower, or plant to allow fertilisation
propagation	the process by which new plants grow from a variety of sources: seeds, cuttings, and other plant parts
seed dispersal	the movement, spread or transport of seeds away from the parent plant

Reproduction – Our Learning Journey

Year 2

- Notice that animals reproduce

Year 3

- The role of pollination in plants' reproduction

Year 5

- Reproductions of animals
- Sexual and asexual reproduction of plants



Ethics

Should scientists interfere with the propagation of plants?

