

Hollingworth Primary School Knowledge Organiser

Topic: Living things and their habitats

Year: 5

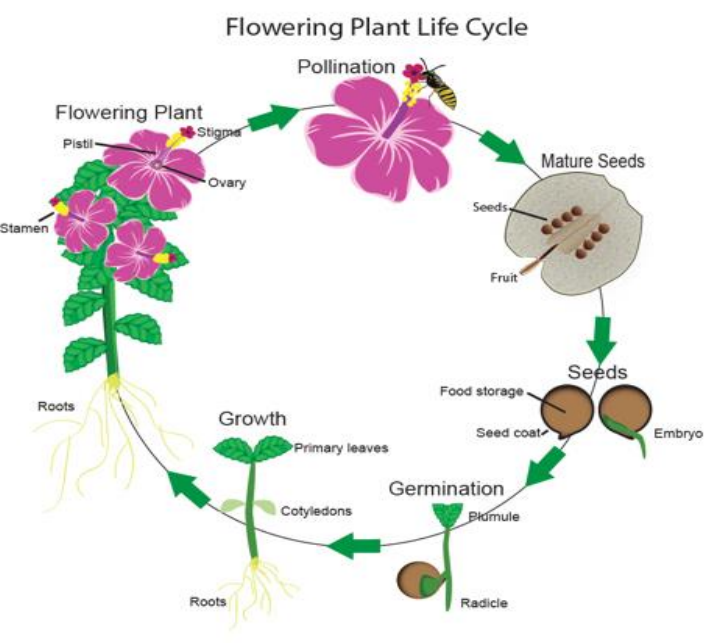
Strand: Biology

Famous Scientist

Life Cycles

Vocabulary Dozen

Rachel Carson (1907-1964) was an American marine biologist, writer and conservationist. She wrote environmental science books that documented environmental harm and helped advance the environmental conservation movement. This eventually resulted in the creation of the US Environmental Protection Agency.



What should I already know?

- Notice that animals, including humans, have offspring which grow into adults (Year 2)
- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Year 3)

asexual reproduction	when a plant produces an identical copy of themselves without being fertilised
cell	the smallest part of an animal or plant that is able to function independently
cutting	a piece of a plant that is used for asexual plant reproduction
fertilises	the joining together of female and male cells
life cycle	the different stages a plant or animal goes through during its life
metamorphosis	is a series of physical changes some animals go through to become adults
pollination	the transfer of pollen from a male part of a plant to a female part of a plant to produce seeds.
runners	a stem that grows horizontally along the ground
sexual reproduction	where genetic material from two individuals of opposite sexes mixes to create offspring
seed dispersal	the way seeds get away from the parent plant to a new place
seed formation	a seed is formed when a part (ovule) of a plant is fertilised and then divides
spores	are the reproductive cell of non-flowering plants

- Not all plants start out as seeds.
- Not all plants have flowers.
- Plants that grow from bulbs also have seeds.
- Birds are not the only animals that lay eggs.