



Science focus	Life Cycles	Year 5	Summer Term
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## What? (Key Knowledge)

### Life Cycles in Plants and Animals

Human life cycles	Humans develop inside their mothers and are dependent on their parents for many years until they are old enough to look after themselves.
Amphibians	Amphibians such as frogs are laid in eggs then, once hatched, go through many changes until they become adults.
metamorphosis	Some animals such as butterflies, go through metamorphosis to become an adult.
Birds	Birds are hatched from eggs and are looked after by their parents until they are able to live independently.
Plant life cycles	Some living things such as plants, contain both the male and female sex cells. Wind and insects help to transfer pollen to a different plant.
Pollination	The pollen travels to the ovary where fertilization occurs and seeds are made. Seeds are dispersed by animals or the wind and some seeds will grow into new plants.
Comparing life cycles	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird by describing and comparing different life cycles, including birds.

## Possible experiences

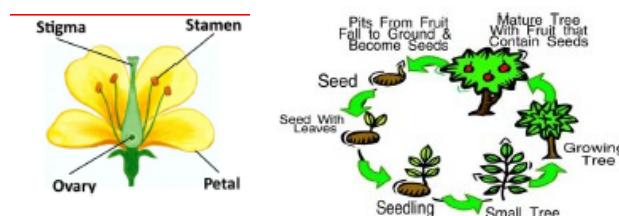
- Dissection of plants to identify the stamen, stigma, petals and ovary
- SRE curriculum to be followed in the Summer term

## What? (Key Vocabulary)

Life cycle	The stages a living thing goes through in its life
Reproduction	The process by which a living organism creates a likeness to itself
Asexual reproduction	Offspring gets genes from one parent so they are clones of their parents
Sexual reproduction	Offspring get genes from both their parents so they inherit a mix of features from both
Offspring	A person's child or children
Pollination	The transference of pollen to a flower or plant to allow fertilisation
Germination	The development of a plant from a seed or spore after a period of dormancy
Inherit	Receive from one's parents
Behaviourist	Someone who studies animal behavior and how they learn from their environment

## Diagrams and Symbols

### Parts of a plant



### Compare and contrast a variety of life cycles

