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What is a life cycle?



- What is a life cycle?
- What life cycles do you know about?
- Can you describe the life cycle of an animal or plant?

Share your ideas as a group and then as a class.



LO: To understand the lifecycle of a mammal

The lifecycle of a mammal involves 3 main stages:

Independent adult usually seeks company from the opposite sex and mates. Adult female nurses their young.



Gestation:
embryo growing
inside the mother,
where it is completely
reliant upon the
mother.

Mammals:

- have hair or fur
- warm-blooded
- feed babies milk
 give live birth

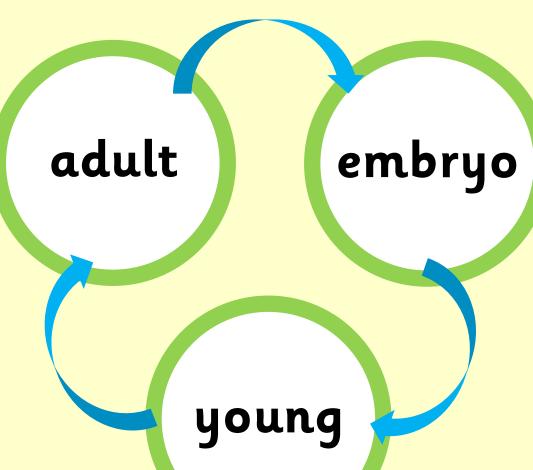
Young:

main period of growth and developing independence from the parents.



LO: To understand the lifecycle of a mammal

Choose a mammal and draw the lifecycle stages.





LO: To understand the life cycle of an amphibian



The life cycle of a frog involves 5 main stages:

The tail disappears and it starts to eat insects instead of plants. It takes 2-4 years to become an adult frog, when it can lay

The female lays mass of **eggs** which are fertilised by the male.



The tadpole grows front legs and tail shortens. Uses nutrients in tail as food. It jumps out of

water onto land.

Amphibians:

- live in water and on land
- moist slimy skin
 - lays eggs
- babies different from adults

The tadpole grows fins and a stronger tail. Then it develops lungs and hind legs.

After 2-25 days the tadpole hatches from the egg. It swims and eats plants. It breathes through gills.



LO: To understand the life cycle of an amphibian



The life cycle of a frog involves 5 main stages:

Present your learning about the life cycle of a frog (or a different amphibian) in one of these ways or in your own way:

- Create a computer based presentation like PowerPoint or Scratch
- Use drama
- Make a small book
- Your own idea

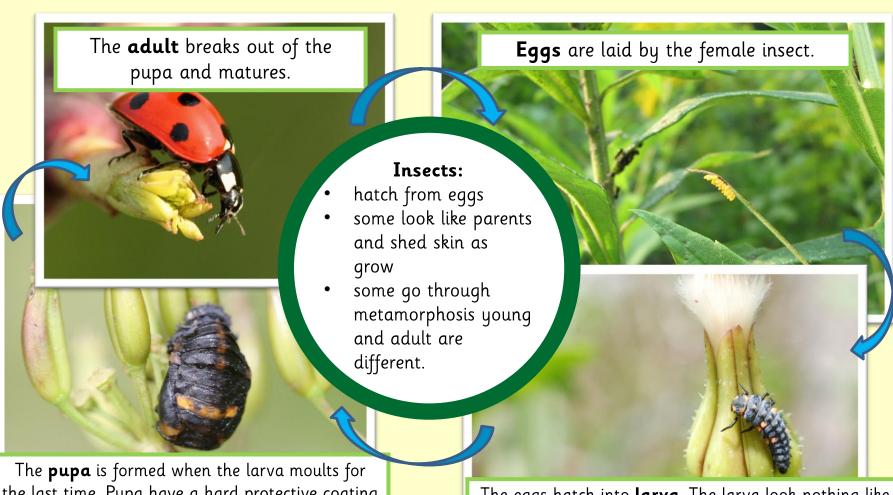




LO: To understand the life cycle of an insect (complete metamorphosis)



Most insects undergo complete metamorphosis. This involves 4 main stages:



the last time. Pupa have a hard protective coating and are often camouflaged. The larva transforms completely inside the pupa.

The eggs hatch into **larva**. The larva look nothing like the adult. This varies depending on species. Common forms are caterpillars, maggots, grubs.

LO: To understand the life cycle of an insect (incomplete metamorphosis)



The lifecycles of insects that don't complete metamorphosis involve 3 main stages:

The nymph grows into the **adult** form, **Eggs** are laid by the female insect. sometimes shedding skin. In winged insects fully functional wings mark the adult stage. Adult females lay eggs. Eggs hatch into **nymphs**. Appearance varies depending on species. Nymphs look like a smaller adult insect and usually share the same habitat and food

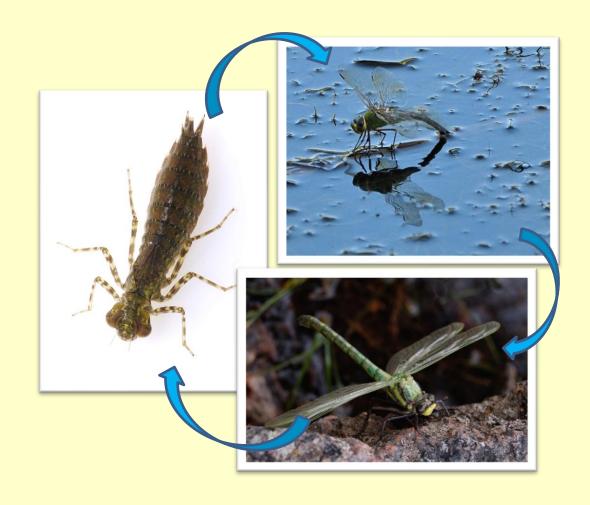
as the adult.

The Life Cycle of an Insect



Research the lifecycles of 2 different insects.

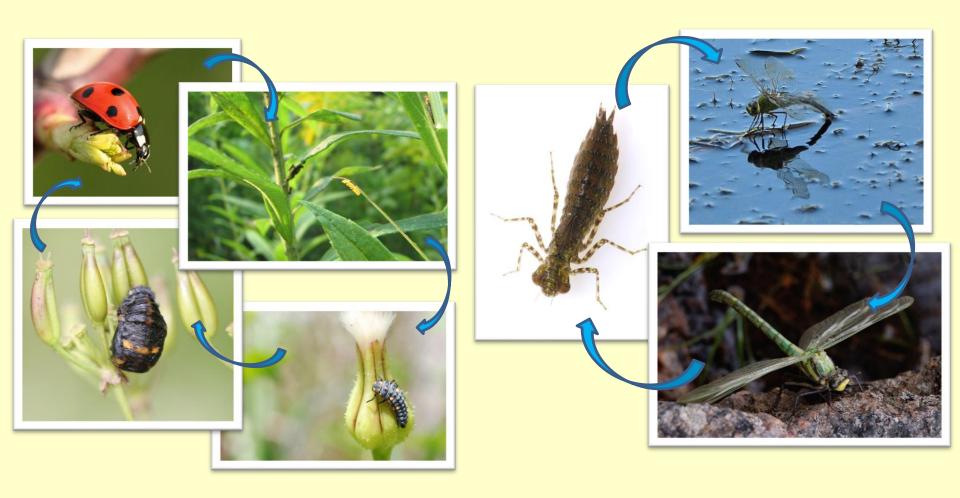
- Explain the specific lifestyle of each insect.
- Compare the lifecycles, what is the same and what is different?
- Think how you can present your ideas.



LO: To compare life cycles of insects



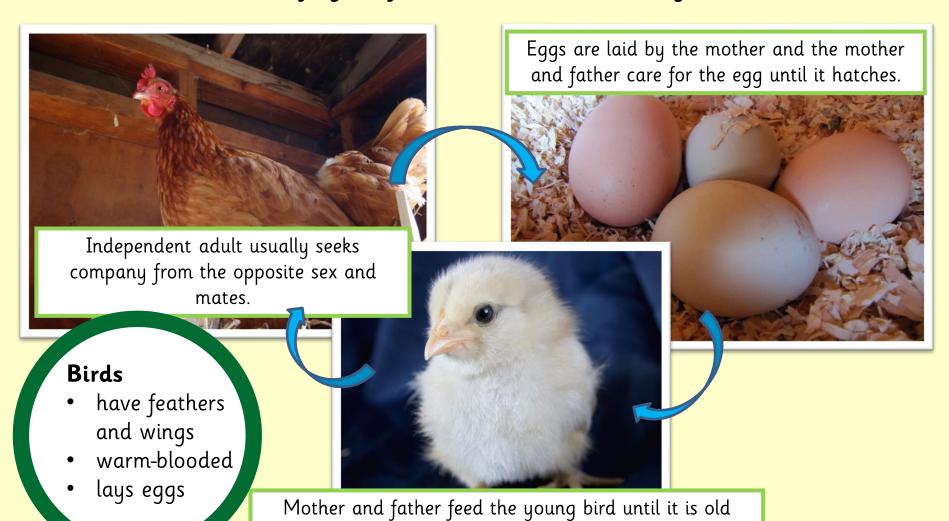
The lifecycle of insects that complete metamorphosis involves 4 main stages:



LO: To understand the life cycle of a bird



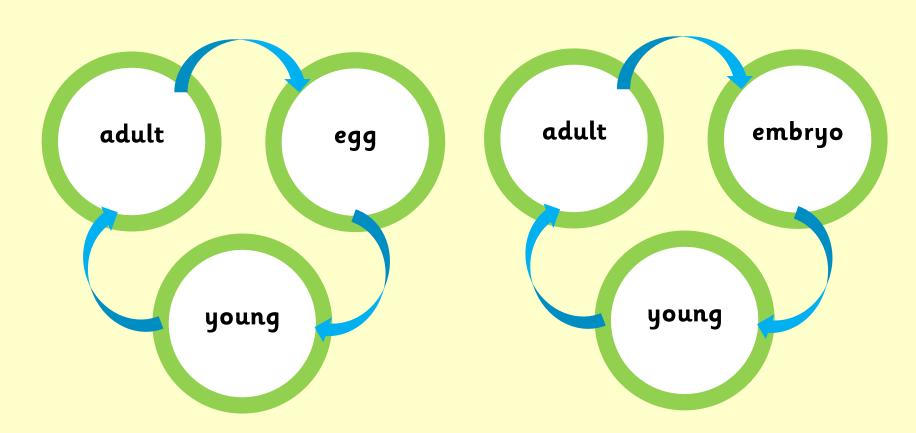
The lifecycle of a bird involves 3 main stages:



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enough to fly and find its own food.

LO: To compare different life cycles





LO: To compare different life cycles



Compare the life cycles of mammals and birds

Similarities	Differences
 3 main stages First stage is where embryo forms and grows Second stage is where young is supported by parents. Third stage is adult stage where reproduction takes place. 	 Mammals give birth to live young Birds lay eggs Mammal usually nursed by mother Young birds usually fed by adult male and female.

Compare the life cycles of mammals and birds



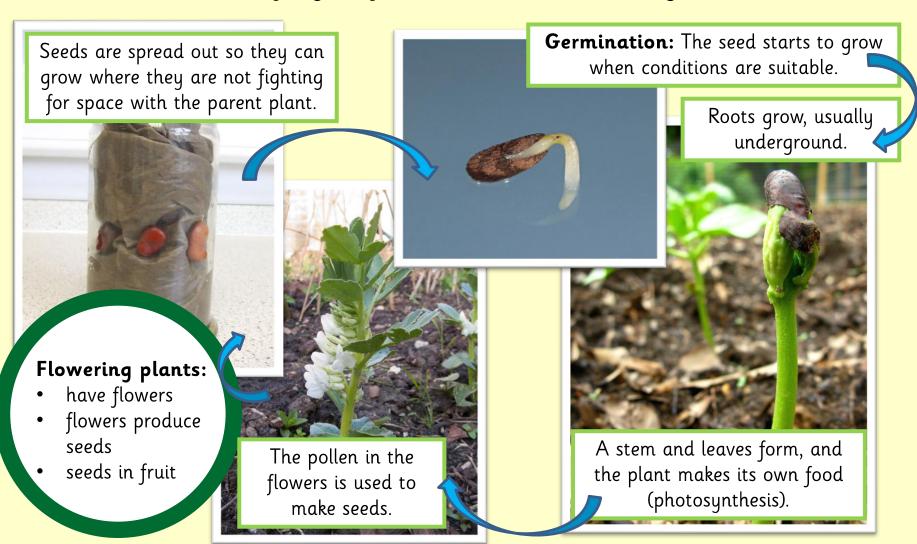
Compare the life cycles of:

Similarities	Differences
Text here	Text here

LO: To understand the life cycle of a flowering plant



The life cycle of a bean involves 5 main stages:



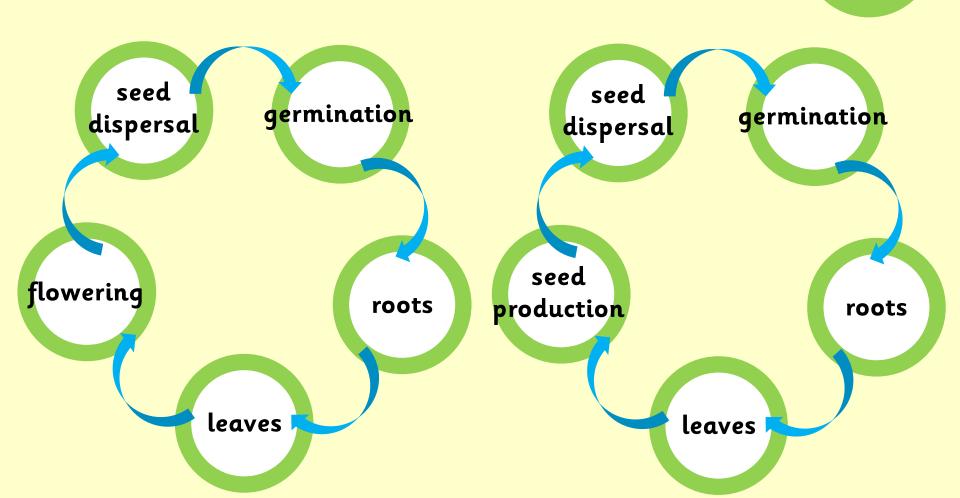
LO: To understand the life cycle of a non-flowering plant



The life cycle of a fern involves 5 main stages:



LO: To compare different life cycles





THE END

