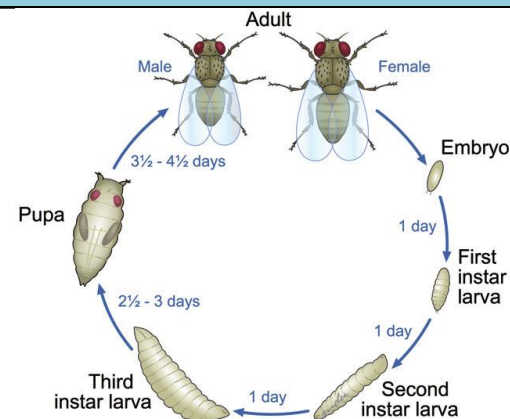
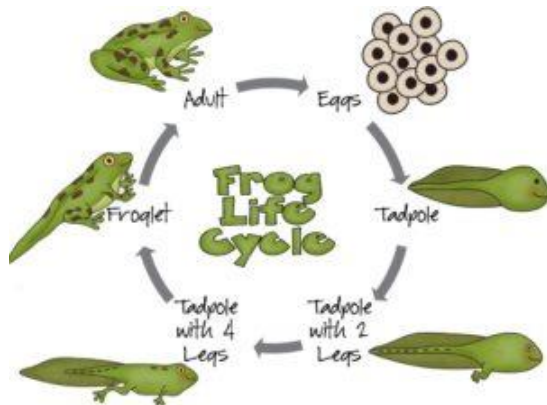


What I will know by the end of the unit:

- I can describe the differences between the life cycles of mammals, amphibians, insects and birds.



- I can describe and compare the life process of reproduction for different plants and animals.

Frogs

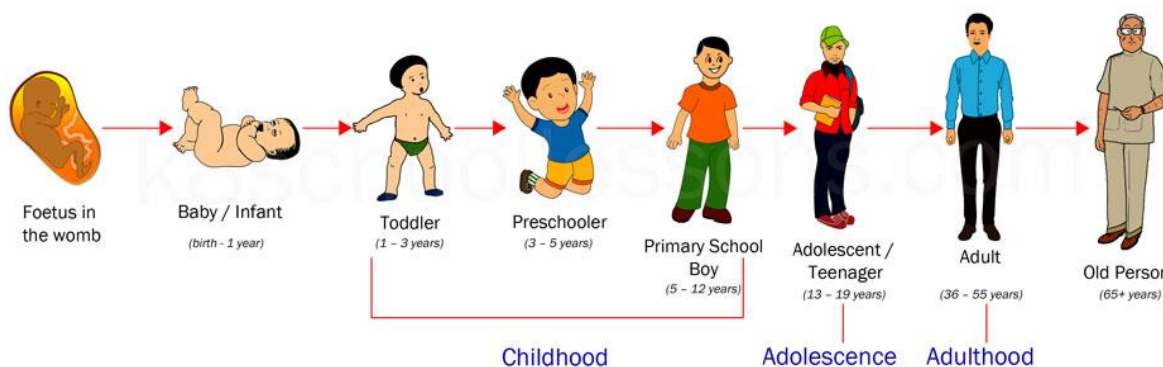
The female releases her material (thousands of unfertilised eggs) into the water at the same time as the male. Their material combines in the water (external fertilisation) and this is known as frogspawn. Up to 100 tadpoles may hatch from the spawn. Most frogs do not look after their offspring.


Fruit Flies

The male fly places his material inside the female. Within a day, nearly 500 eggs are laid. Maggots hatch from these eggs. Flies do not look after their offspring.



- I can describe the changes that take place as humans develop to old age.



Key Vocabulary

Fertilisation	When male and female reproductive cells come together to make a fertilised egg.
Internal fertiisation	When the egg is fertilised inside the body.
External fertilisation	When the egg is fertilised outside of the body.
Germination	When seeds begin to sprout and grow.
Gestation	The period of time that a mammal carries her offspring inside her body before giving birth.
Growth	Plants and animals grow and mature as they get older.
Lifespan	The average amount of time a living thing is expected to live for.
Offspring	A human or animal child.
Photosynthesis	The process plants use to take the energy from sun and use it to turn carbon dioxide and water into food.
Pollination	Insects, birds, bats and the wind move pollen between flowering plants in order to fertilise them and reproduce.
Reproduce	When a living thing creates a new being with similar characteristics.
Asexual reproduction	When an organism reproduces by itself.
Sexual reproduction	Male and Female reproductive cells must come together to reproduce.

Investigate!

- Compare the life cycles of different plants and animals?
- Match the photograph to the human development stage. Can you guess who is in the picture?
- Is the gestation period of an animal related to size of the animal or lifespan?
- What would life be like in 50 years time if humans could no longer reproduce from today?

Scientific skills

- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs and models.
- Reports findings from enquiries.
- Present findings in written form, display and presentations.
- Identify scientific evidence that has been used to support ideas.

Curriculum links

- Links to lifecycles and reproduction work carried out in Year 2.
- Links to the Geography topic this term on rainforests. Research based on animals native to the rainforests.
- Will lead onto the adaptation and Evolution topic in Year 6.

Famous Scientists

- Charles Darwin – Theory of evolution
- Carl Linnaeus – Classification of living things
- Oscar Hertwig – discovered the science behind reproduction