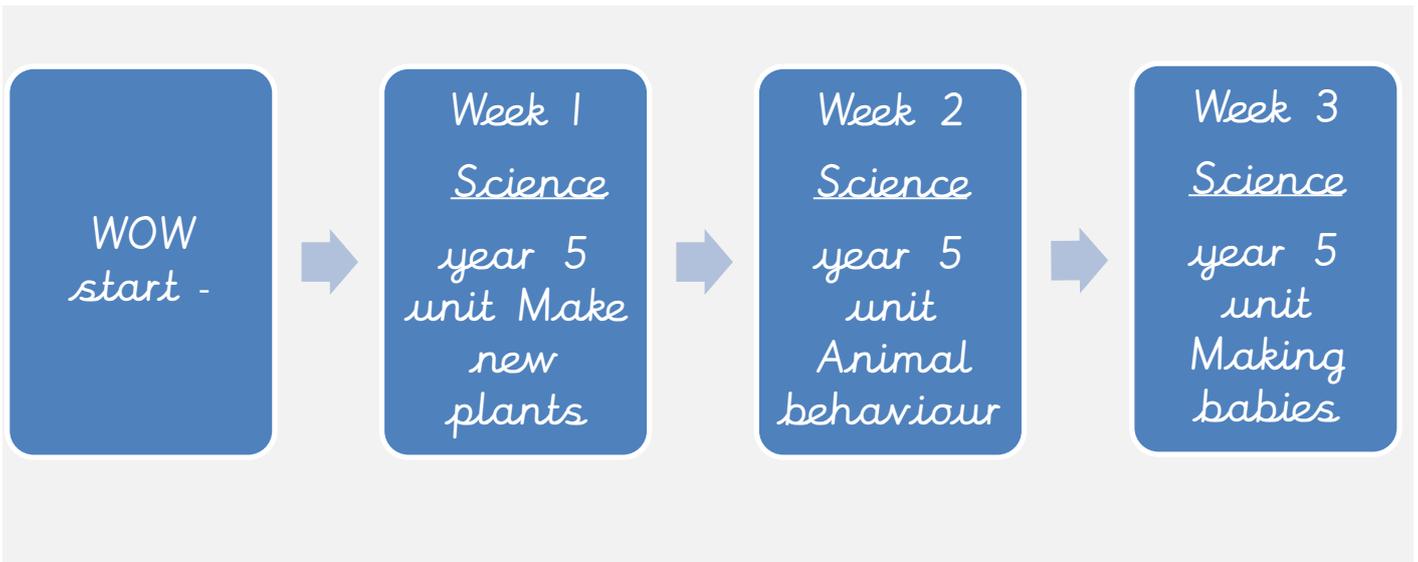


Year 5/6 Science unit - The Circle of Life



Overview of unit: This unit focuses on growth and development of living things and their life cycles, first plants, then other animals, then humans. The final element focuses on reproduction processes in animals including endangered species. The content is mainly taken from the year 5 switched on science unit 'the circle of life'

<u>Working scientifically skills</u>	<u>Scientific knowledge skills</u>
<ul style="list-style-type: none"> <li>Plan enquiries, including recognising and controlling variables where necessary.</li> <li>Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work.</li> <li>Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables and models.</li> <li>Report findings from enquiries, including oral and written explanations of results, explanations involving causal relationships, and conclusions.</li> <li>Present findings in written form, displays and other presentations.</li> <li>Use test results to make predictions to set up further comparative and fair tests.</li> </ul> <ul style="list-style-type: none"> <li><b>Variables</b></li> <li><b>Gradient</b></li> <li><b>comparative</b></li> </ul>	<ul style="list-style-type: none"> <li>describe the differences in the life cycles of a mammal, amphibian, an insect and a bird</li> <li>describe the life process of reproduction in some plants and animals</li> <li><b>reproduction</b></li> <li><b>germination</b></li> <li><b>fertilisation</b></li> <li><b>gestation</b></li> </ul> <p>Previous knowledge</p> <p>Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers.</p> <p>Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</p> <p>Investigate the way in which water is transported within plants.</p> <p>Explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</p> <p><u>Vocabulary:</u> roots, stem, leaves and flowers. Transported pollination seed formation seed dispersal</p>

### PSHE skills:

- key facts about puberty and the changing adolescent body, particularly from age 9 through to age 11, including physical and emotional changes about menstrual wellbeing including the key facts about the menstrual cycle
- *adolescent*
- *puberty*
- *menstruation*
- *consent/ permission seeking*
- *sexual intercourse*

Previous knowledge: New learning

life cycle

mammal

amphibian

insect

bird

reproduction

life process

growth

development

endangered species

species

puberty

physical

emotional

fertilisation

germination

pollination

The life cycle is a continuous process beginning with birth through to death.

Reproduction is necessary for the survival of a species.

Male and female reproductive cells are needed for conception and fertilisation.

As a child becomes an adolescent, their body will undergo a number of physical and emotional changes.