Key Vocabulary and Definitions:

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| Asexual reproduction  | Reproduce independently e.g. plants.  |
| Fertilise | The process of combining sperm (male) and egg (female).  |
| Gestation | The length of a pregnancy. |
| Life cycle | The series of changes in the life of an organism including reproduction. |
| Mammal  | A warm-blooded vertebrate that has hair or fur, produces milk and gives birth to live young.  |
| Metamorphosis | An obvious change in an animal’s body and behaviour. |
| Pollinate  | To deposit pollen on another flower to allow fertilisation to happen. |
| Reproduction | The process of new living things being made.  |
| Sexual reproduction | Two parents are needed to make offspring which are similar to either parent. |

What should I already know?

• Notice that animals, including humans, have offspring which grow into adults. (Y2 - Animals, including humans)

• Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Y3 - Plants)

Scientific Knowledge:

• Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

• Describe the life process of reproduction in some plants and animals.



Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

Teaching Sequence

1. To describe the process of sexual reproduction in flowering.
2. To describe the process of asexual reproduction in plants.
3. To describe how mammals reproduce.
4. To compare the life cycles of amphibians and insects.
5. To describe the differences in the life cycles of a mammal and a bird. (TAPS)

Working Scientifically

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| Term 4 | Let’s Talk (Explorify) | Scientific Knowledge | Scientific skill |
| Lesson 1 | Odd one out: What’s inside a Flower?<https://explorify.uk/en/activities/odd-one-out/what-is-inside-flowers> | * Describe the life process of reproduction in some plants and animals.
 | Interpret and reportObserve |
| Lesson 2 | Zoom in, zoom out: New beginnings<https://explorify.uk/en/activities/zoom-in-zoom-out/new-beginnings> | * Describe the life process of reproduction in some plants and animals.
 | Interpret and report |
| Lesson 3 | What am I?: Brown and Hairy<https://explorify.uk/en/activities/zoom-in-zoom-out/brown-and-hairy> | * Describe the life process of reproduction in some plants and animals.
 | Interpret and report |
| Lesson 4 | What if… Penguins could fly?<https://explorify.uk/en/activities/what-if/penguins-could-fly> | * Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
 | Interpret and report |
| Lesson 5 | Have you ever… Cared for a baby animal?<https://explorify.uk/en/activities/have-you-ever/cared-for-a-baby-animal> | * Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
 | Interpret and report |