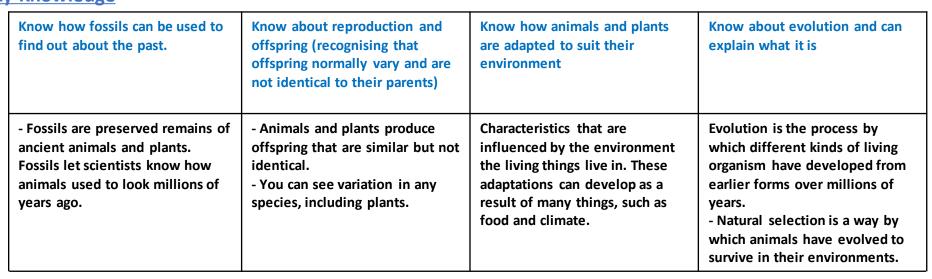
Objectives and Sticky Knowledge

Prior Knowledge Recap:

- The main stages in a life cycle for animals, (including humans), are birth, growth, reproduction and death
- The life cycle of different living things e.g. mammal, amphibian, insect and bird and know the differences between these life cycles
- The process of reproduction in animals and plants
- How living things have been classified The Linnaeus System





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Links with 'Sustainability and Freedom':

Links with CST and CKA Values Crown:





Year 6 Science Lent 2 and Pentecost 1 Knowledge Organiser Evolution & Inheritance

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Key Vocabulary	
offspring	The young animal or plant that is produced by the reproduction of that species.
inheritance	This is when characteristics are passed on to offspring from their parents.
variations	The differences between individuals within a species.
characteristics	The distinguishing features or qualities that are specific to a species.
adaptation	An adaptation is a trait (or characteristic) changing to increase a living thing's chances of surviving and reproducing.
habitat	Refers to a specific area or place in which particular animals and plants can live.
environment	An environment contains many habitats and includes areas where there are both living and non-living things.
evolution	Adaptation over a very long time.
natural selection	The process where organisms that are better adapted to their environment tend to survive and produce more offspring.
fossil	The remains or imprint of a prehistoric plant or animal, embedded in rock and preserved.
adaptive traits	Genetic features that help a living thing to survive.
inherited traits	These are traits you get from your parents. Within a family, you will often see similar traits, e.g.

curly hair.



Adaptive Traits Characteristics that

are influenced by

the environment the

living things live in.

can develop as a result

of many things, such

as food and climate.

Offspring Animals and plants produce offspring that are similar but not identical to them. Offspring often look like their parents because features are passed on.

Habitats

should

shelter,

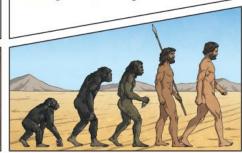
Variation In the same way that there variation between parents and their offspring, can see variation within any species, even plants.



Fossils are the preserved remains, or partial remains, of ancient animals and plants. Fossils let scientists know how plants and animals used to look millions of years ago. This is proof that living things have evolved over time.



Evolution is the gradual process by which different kinds of living organism have developed from earlier forms over millions of years. Scientists have proof that living things are continuously evolving - even today!

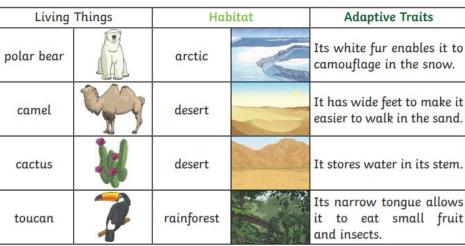




Eye colour is an example of an inherited trait, but so are things hair colour, the shape of your earlobes and whether or not you can smell certain flowers.

Inherited Traits





A good habitat provide water, enough space and plenty of food.



Sky objectives:

- 1. Ask well-considered questions that closely match personalised enquiries.
- 2. Skilfully plan and conduct child-led investigations, deciding which variables to control and what observations to make.
- 3. Use personal knowledge combined with accurate observations and data collection to draw a conclusion.