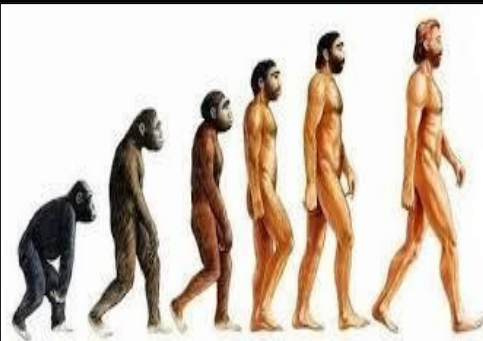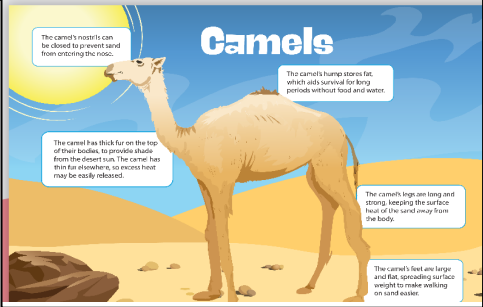# Evolution and Inheritance Y6

End Points:

To design and perform an experiment on how different beak designs can collect different food types.

Research and present how different animals are adapted to their habitat.

Understand the role of Sir Charles Darwin in developing the ideas of evolution, adaptation and Natural Selection .

Prior Learning	Future Learning
⇦	⇨
Understand that animals can be effected by changes in their environment and need to adapt.	How genes mix and replicate to create genetic diversity resulting in adaptation and increased survival.

How you can help at home:

Watch the BBC program Galapagos with David Attenborough.

Observe animals in your local environment, think/talk about how they are adapted to their habitat.

Key Vocabulary

Word	Definition
adaptation	A change in a species' body or behaviour caused by the environment which allows the species to be successful in that habitat.
inheritance	Individuals with adaptations that give them an advantage will survive and produce more offspring. The beneficial adaptation will be passed via the genes.
Natural selection	A process by which a species changes over time in response to changes in the environment. Individuals best adapted will survive and produce well adapted offspring.
evolution	The theory that all living things that exist today developed from earlier types. Species have adapted and evolved over time due to adaptation.
habitat	A habitat is the area an animal or a plant lives in.
species	Is a group of similar organisms that can breed with one another to produce fertile offspring.
Selective breeding	Selective breeding involves choosing parents with particular characteristics to breed together and produce offspring with more desirable characteristics (i.e. crop or dog breeding).

Primary ECCLESALL School Key Concepts

Effective Communicators

Creative thinkers & problem solvers

The ability to make **connections** and **comparisons**

Valuable members of a **community**

Understanding **change**, capable of changing and accepting change

Respect   Positivity   Kindness