

## Geography

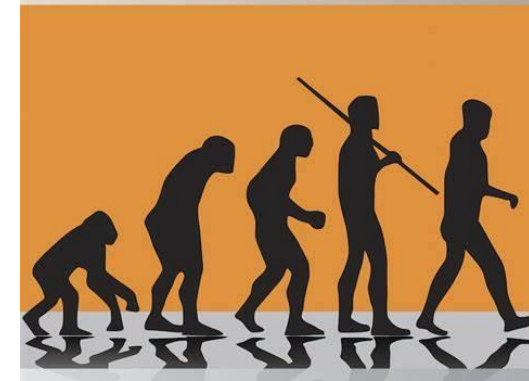
Understand how geographical factors have influenced the distribution of species. Use maps and case studies to explore how geographical factors such as climate and topography have influenced the distribution of different species.

Use case studies and current events to explore the economic and environmental impacts of tourism on the Galapagos Islands. Investigate the different sustainable tourism practices and initiatives aimed at minimising the negative impacts of tourism while supporting the local economy and preserving the unique biodiversity of the Galapagos Islands.

Understand the unique ecosystems of the Galapagos Islands and how they have influenced the evolution of species. Use maps and images to explore the different ecosystems found on the Galapagos Islands, including the marine ecosystem, dry and wet forests, and volcanic landscapes. Students could also research and present on the unique species found in each ecosystem and how they have adapted to their environment.

## History

Understand the historical development of evolutionary theory and its impact on society Use primary sources to explore the history of evolutionary theory, including the work of Charles Darwin and Alfred Russel Wallace. Examine the controversies surrounding the theory and its impact on society.



# Evolution & inheritance

Term 5 2022/23

## Science

### **Inheritance**

Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents in the context of inheritance.

### **Adaptation**

Identify how animals and plants are adapted to suit their environment in different ways in the context of environmental variation.

### **Theory of Evolution**

Identifying scientific evidence that has been used to support or refute ideas or arguments; Identify how adaptation may lead to evolution by examining the theories of evolution constructed by Darwin and Wallace.

### **Evidence for Evolution**

Identifying scientific evidence that has been used to support or refute ideas or arguments; Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago in the context of the evolution of plants and animals.

### **Evidence for Evolution: Humans**

Identifying scientific evidence that has been used to support or refute ideas or arguments; Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago in the context of the evolution of human beings.

### **Adaptation, Evolution and Human Intervention**

Identify how adaptation may lead to evolution by examining the advantages and disadvantages of specific adaptations and the role of human intervention in the process of evolution.

## ICT

Creating reports about an animal of their choice, native to the Galapagos islands. Use a WebQuest to research the animals before presenting them in word combining text and images from safe searches.

## ART

Sketching different bird beaks and their functions

Creating a classic evolution timeline picture this lesson, students will create a timeline of evolution through art using the classic evolution silhouette images.

Creating a tree of life piece of art inspired by Celtic designs