



Evolution and Inheritance

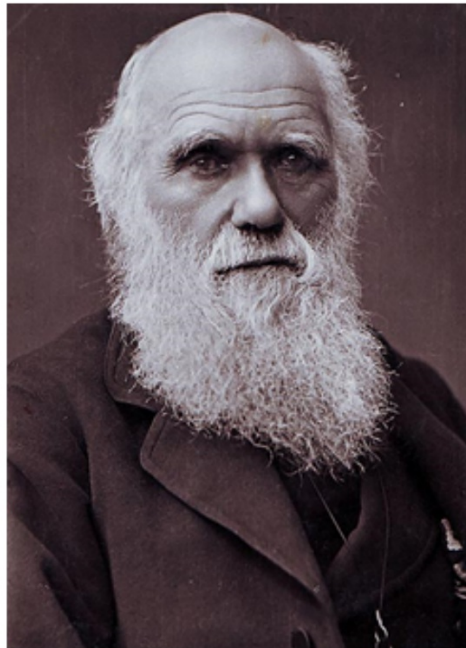


Lesson 6

October 2020

Focus: Who was Charles Darwin
and what were his theories
on evolution?

Study the information about Charles Darwin



Link to Powerpoint

<https://www.youtube.com/watch?v=9uZGSuOxFVM>

Charles Darwin – the boy

Charles Darwin was born in
1809 in Shrewsbury,
England.



Charles Darwin – the young man



He went to University to become a doctor

In 1827, at the age of 18, Darwin realised he did not like the study of medicine and could not bear the sight of blood. He left and went to become a vicar.

He never became a vicar, but instead sailed around the world.

This is the Beagle – Darwin's ship



Click to add title



It was very cramped inside and always very dusty. It held 75 people.

The voyage of the Beagle

1831 - 1836

The Beagle set sail on her voyage in 1831, with Charles Darwin aboard. The voyage lasted 5 years.

Galapagos



The Galapagos Islands



At last Charles Darwin arrived in the Galapagos islands,
Whilst he was on the Galapagos Islands he discovered a lot of
new plants and animals that no one had ever seen before. He
even brought seeds home.





He discovered finches





Giant tortiooses





Komodo dragons





He discovered that there are lots of different types of the same animal and that they are good for different things.

For example dogs



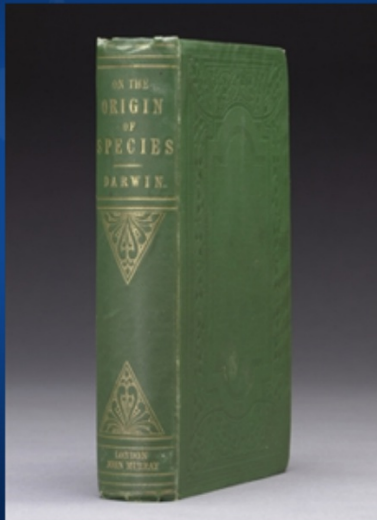
Whippets are very fast runners, but terriers are good guard dogs because they are fierce.



Sheepdogs can be trained to herd
sheep and St Bernard's are good in
cold places.



On the Origin of Species



Darwin completed his voyage on the Beagle in 1836.

For over 20 years Darwin continued to find out about new plants and animals. Finally in 1859, Darwin wrote a famous book about all of the things he had found out on his travels.

Focus: Who was Charles Darwin?

1) What first led Darwin to come up with his ideas about evolution?

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2) Why didn't people accept Darwin's ideas when he first proposed them?

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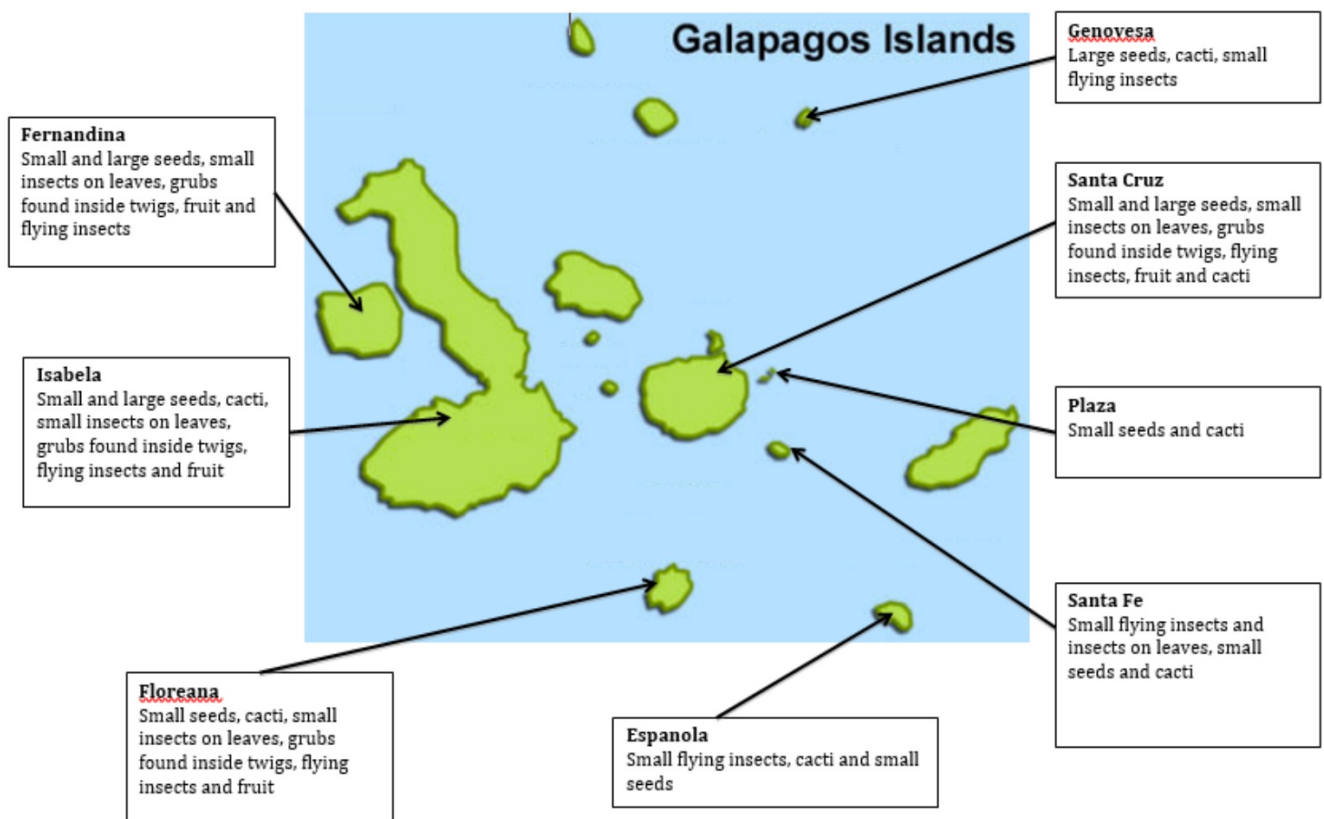
3) Why do you think people still respect Darwin today?

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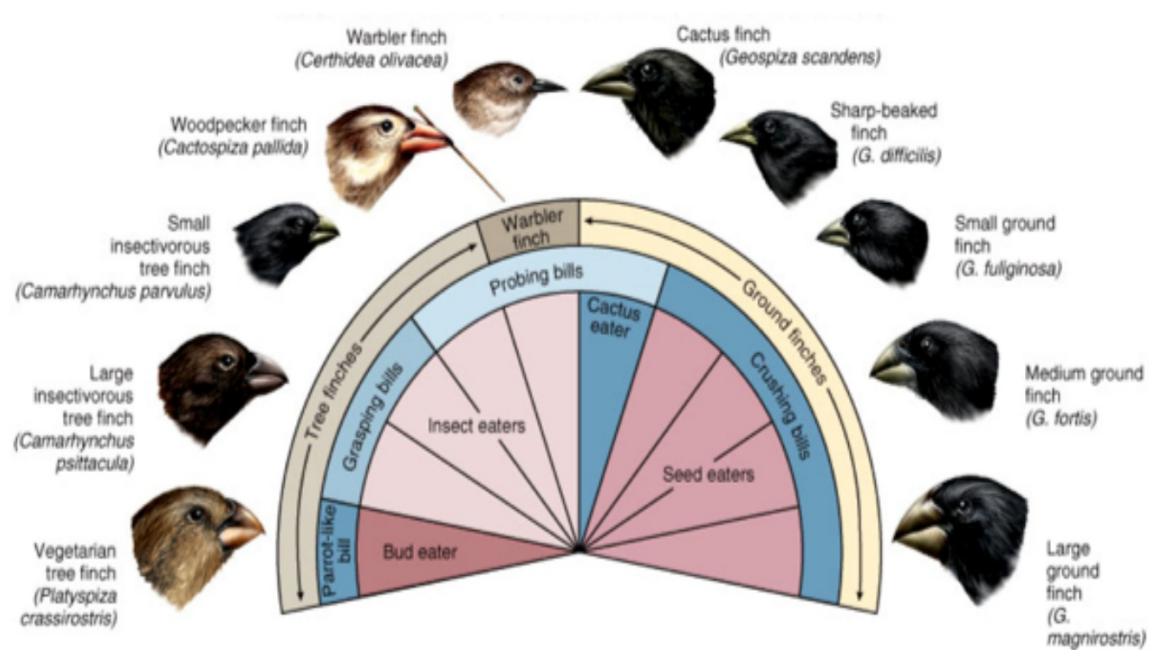
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Look at the animal and plant life found on each island.



Look at the diet of each finch.



Which finch is found on each island?

Prediction of Finch Distribution:

	Santa Cruz	Plaza	Santa Fe	Espanola	Florreana	Isabela	Fernandin a	Genovesa
Large Ground Finch								
Cactus Finch								
Small Tree Finch								
Small Ground Finch								
Vegetarian Finch								
Large Tree Finch								
Warbler Finch								

Did you get them right?

Finch Distribution

	Santa Cruz	Plaza	Santa Fe	Espanola	Florreana	Isabela	Fernandina	Genovesa
Large Ground Finch	★					★	★	★
Cactus Finch	★	★	★	★	★	★		★
Small Tree Finch	★		★		★	★	★	
Small Ground Finch	★	★	★	★	★	★	★	
Vegetarian Finch	★				★	★	★	
Large Tree Finch	★				★	★	★	
Warbler Finch	★		★	★	★	★	★	★

