



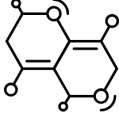



Prior knowledge




This topic builds on work completed in previous years. We have previously learnt about early man during the stone age and we have learnt how he changed over time. During this topic we will learn how and why these changes occurred to ensure the survival of this and many other species.

When?






1859	Origin of the Species published	
1866	Basic principles of genetics discovered	
1869	DNA identified	
1902	Genetics associated with human disease	
1944	Discovered DNA was controlling agent of genetics	
1953	Double helix structure of DNA discovered	



Who?

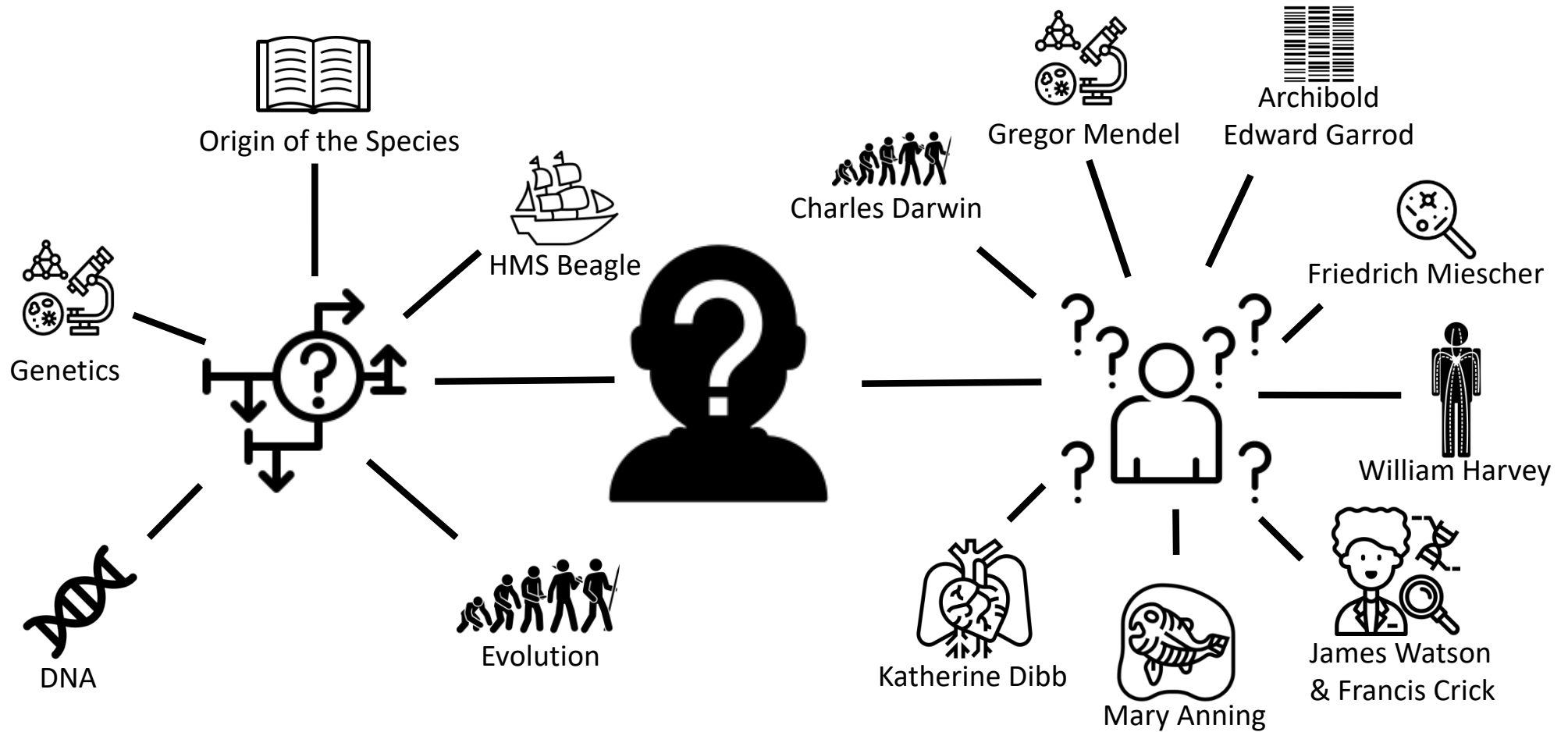
Charles Darwin	Author of Origin of the Species	
Gregor Mendel	Scientist who discovered basic principles of genetics	
Archibold Edward Garrod	Scientist who associated genetics with human disease	
Friedrich Miescher	Scientist who identified DNA	
Mary Anning	English palaeontologist	
William Harvey	Doctor who discovered the circulatory system worked in a circular motion with the heart at its centre.	
Katherine Dibb	Cardiologist who investigates the structure and function of the heart	
James Watson	Scientist who discovered the double helix structure of DNA with his colleague Francis Crick.	
Francis Crick	Scientist who discovered the double helix structure of DNA with his colleague James Watson	

What ?

Origin of the Species	Book published containing Darwin's theory of evolution by natural selection	
Genetics	The study of genes, heredity and variation in living organisms	
DNA	Deoxyribonucleic Acid: the molecule that contains the genetic code of an organism.	
Evolution	Change of heritable characteristics of populations over generations.	
HMS Beagle	Name of the ship Charles Darwin undertook his expedition around the world	

History – Who Do You Think You Are?

Year 6 - Summer




Origin of the Species published.



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Basic principles of genetics discovered



1866

DNA Identified



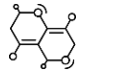
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Genetics associated with human disease




1902

DNA discovered as controlling agent of genetics



1944

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1953