



## Beech Hill Topic Must Knows Year 3 - Spring 1 (Mad Science)

### Key Vocabulary

Scientist  
Isaac Newton  
Mary Anning  
Tim Berners Lee  
Gravity  
Fossil  
Biologist  
Palaeontologist  
Physicist  
Astronomer  
Inventor  
Zoologist  
Whorl  
Loop  
Arch

### Key Facts/Skills

- To be able to order 3 famous Scientists dates of birth in chronological order. ([Maths Link - timelines](#))  
Isaac Newton 1642 - 1727, Mary Anning 1799 - 1847 and Tim Berners-Lee 1955 - present day.
- To know what 3 scientists are famous for.  
Isaac Newton - discovering gravity, Tim Berners Lee - inventing the internet, Mary Anning - discovery of fossils.
- To label on a world map what country Isaac Newton, Marie Curie, Albert Einstein and Tim Berners Lee came from. ([Geography Link - using maps](#))  
Isaac Newton - England, Marie Curie - Poland, Albert Einstein - Germany, Tim Berners Lee - England
- To know what a Biologist, Palaeontologist and Physicist study.  
Biologist - living things, Palaeontologist - fossils, Physicist - forces.
- To know how Science from the past has influenced our world today. ([History Link - past influences](#))  
Without Tim Berners Lee we would have no internet, without Marie Curie we would have no x-ray technology, without Isaac Newton we wouldn't know about gravity.
- To know what a variable is.  
Something that can be changed in an experiment.
- To know what the 3 most common fingerprint patterns are.  
Whorl, loop and arch.