

## What will you do in the mad science lab? Knowledge Organiser Year 6

<b>Science</b> A scientist is someone who researches to advance knowledge in an area of science.  Materials can be separated by Evaporation and Condensation, Sieving and Magnetism.  Katherine Johnson was an African American Mathematician whose calculations helped NASA to carry out their first space flights.			<b>Science</b> Sir Isaac Newton was an English scientist. He watched falling apples and discovered that the Earth must have a force which pulls objects towards the ground. We call this force Gravity.  Sir Isaac Newton developed this theory of gravity to explain that it keeps the Moon in orbit around the Earth.  Albert Einstein is one of the greatest scientists of all time. He created the theory of relativity. It revealed no material can travel as fast as light.		
Scientist	Force	Orbit	Gravity	Theory	Relativity
<b>History</b> Aristotle is recognised as the world's first scientist. He was born in 384 BC in Greece and classified animals into different types.  Albert Einstein is recognised as the most famous scientist of all time. He was a Jewish Scientist who escaped World War Two by moving to America.  1800 Alesandro Volta invented the world's first battery.  1876 Alexander Graham Bell invented the telephone.	<b>Religious Education:</b> Chinese New Year is known as the Spring Lantern festival and lasts for 15 days.  In 2023 Chinese New Year falls on January 22 <sup>nd</sup> . It will be the Year of the Rabbit. Buddhism was brought to China by Monks from India.  Buddhists do not believe a Buddha is a God. They believe he was a person who was enlightened.	<b>Computing</b> Use a username and not your real name when gaming online to keep safe!  Instead of using a photograph online use an Avatar to represent your face. Never share any personal information online such as your name, address or school. A digital footprint is the name given to any information we leave behind when online (such as any search, photos we upload and communication on social media).	<b>PSHE</b> Benjamin Banneker was an African American astronomer who created America's first clock. Albert Einstein was dyslexic and thought to be unintelligent by his teachers! At the age of 16 he couldn't tie his shoelaces.  Einstein was famous for having a bad memory, he struggled to remember dates, names and phone numbers.  Thomas Edison, who invented the lightbulb, had ADHD.	<b>Facts</b> Scientists estimate the Earth is 4.5 billion years old. 25% of an apple is air which is why it will float in water!  The human body has 206 bones!  There are around 7 million scientists working and investigating around the world!  Oxygen is actually pale blue in colour.	
Population	Enlightened	Digital footprint	Dyslexic	Investigating	