Year 9 - Science						
Curriculum intent	All students will develop knowledge which helps them in their own lives and to understand the world in which they live. Students will be confident with their knowledge, allowing them to inform others and to problem solve through scientific enquiry. To prepare students for the future they will be curious and equipped to question and challenge information they are presented with. Through the curriculum, key themes of knowledge are revisited each year, with the knowledge being developed over time. The themes link to biology, chemistry and physics and are carefully sequenced in order to ensure that students have all of the powerful knowledge needed to move onto the next theme. This will ensure that students develop a secure long term memory over time with flexible knowledge that can be applied to different contexts.					
Term	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Knowledge	Students will learn about Working scientifically and Life diversity.	Students will learn about the Periodic table and Electric circuits: resistance.	Students will learn about Growth and differentiation and Introduction to quantitative chemistry.	Students will learn about Light, Sound and Waves.	Students will learn about Human interaction, Genetics and Using resources.	Students will learn about Acceleration, Heating and Home electricity.
Skills	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.	Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements. Maths skills – handling data, graphs and using units.

Assessments	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.
Curiosity	Books: https://www.amazon.co.uk/Women-Science-Fearless-Pioneers-Changed/dp/1526360519/ref=sr_1_5?dchild=1&keywords=science+book+aimed+for+14+years+old&qid=1624626761&s=books&sr=1-5 Home Science Experiments: https://kidadl.com/articles/twelve-easy-science-projects-for-teens-during-lockdown Science in the news: https://www.iflscience.com/ https://theday.co.uk/ https://www.bbc.co.uk/news/science_and_environment					