

Year 7 Curriculum Map: Science

	Unit 1 & 2	Unit 3 & 4	Unit 5 & 6
Unit Title & Assessment Task	Matter A Organisms A Forces A Reactions A Assessment will cover all of the topics studied and will include a variety of question types.	Reactions A Genes A Electromagnetism A Assessment will cover all of the topics studied and will include a variety of question types.	Earth A Energy A Ecosystems A Assessment will cover all of the topics studied and will include a variety of question types.
Key Knowledge/ Skills	Know about the arrangement of particles in different states and separating mixtures. Know with examples the differences between cells, tissues and organs. Set up and use a microscope safely. Understand the relationship between speed, distance and time to be able to produce accurate distance-time graphs. Know the differences between chemical and physical changes with specific examples.	Know the differences between chemical and physical changes with specific examples Know how reproduction occurs and leads to variation. Know the difference between current, potential difference, charge and construct circuits. Carry out a scientific investigation into the resistance of a wire and an accurate scientific write up of the investigation.	Know the earth's structure and rock cycle. Know the structure of the solar system and apply to concepts such as day and night and seasons. Know examples of energy resources and link to efficiency. Know how plant reproduction occurs and investigate the environment.
Rationale:	These schemes of learning build upon core knowledge learnt at KS2. They develop student's ability to understand and apply knowledge in more depth. Pupils will also begin to develop essential practical skills.	These schemes of learning build upon core knowledge learnt at KS2. They develop student's ability to understand and apply knowledge in more depth. Pupils will also begin to develop essential practical skills.	These schemes of learning build upon core knowledge learnt at KS2. They develop student's ability to understand and apply knowledge in more depth. Pupils will also begin to develop essential practical skills.