

Subject	Year	Term
SCIENCE	8	2
Topic		
Biology – Adaptations & Inheritance, Chemistry – Acids & Alkalis, Physics – Electricity & Magnetism		
Content (Intent)		
Prior Learning (Topic) Health and Lifestyle, Periodic Table and Reactions, Space		
Students will have a basic KNOWLEDGE of the series and parallel circuits and how acids and alkalis react to make salts. Students will UNDERSTAND that animals and plants adapt to their environments in order to survive and to prevent extinction of their species.		
Students will have the SKILLS needed to identify acids and alkalis through experimentation. Students will learn to use continuous and discontinuous variation and relevant data collected from observations.		
Future Learning (Topic) Ecosystem processes, Metals and Acids and Motion and Pressure		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
Biology - There will be a sequence of lessons which include: variation, competition and adaptations, inheritance, natural selection, extinction, continuous and discontinuous variation.	Formative Feedback Task (End of Unit tests)	
Physics - There will be a sequence of lessons which include: series and parallel circuits, circuit symbols, potential difference, resistance, magnets and electromagnets.	Pupils given formative feedback only on the topics of: Biology – Adaptations and Inheritance Chemistry – Acids and Alkalis Physics – Electricity and Magnetism	
Practical Skills – Creating a series and parallel circuit, collating data from observations, testing predictions and identify variables.	Assessment 2 (June) topics covering Summative assessment including: <ul style="list-style-type: none">• Enquiry Process• Structure and Function of Organisms• Elements, Atoms and Compounds• Forces	
Chemistry – There will initially be a sequence of lessons that cover: Acids and Alkalis, Neutralisation, Indicators, Making Salts, pH.	All topics listed will also need to be recalled in:	
Practical Skills – Observations correctly recorded.	Year 8 Assessment 2	
Maths Skills – Linear equations and significant figures.	Year 9 Assessment 1 and 2.	
Pupils given a percentage, formative feedback.		
How can parents help at home?		
Ensure all class work is completed and homework submitted on time.		
Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers.		
Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters.		
Ensure all pupils have all their resources required for science lessons, including knowledge organisers, exercise books, pens and calculators		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading	Vocabulary Lists:	Voltmeters
Use the Educake online learning platform	Natural Selection	Indicators
www.educake.co.uk/	Continuous	Neutralisation
Use BBC bitesize	Discontinuous	pH
https://www.bbc.com/bitesize/levels/z4kw2hv	Potential Difference	
Use and review the Knowledge Organisers used in class.	Electromagnets	
	Ammeter	