



Year 8 Summer Support 2020-21

Combined Science

Advice and support for all Year 8 students		Tick when complete
Regular independent study will aid the recall of knowledge and enhance your skills to ensure targets are met next year		
<ul style="list-style-type: none"> • Complete weekly Seneca learning activities – These are designed to keep you thinking about all topics • Print off revision checklists/PLCs – These summarise everything you need to learn • Download and practice past papers from the AQA website or mathsandphysicstutor.com • Complete exam questions in timed conditions at home • Write a list of your strengths and weaknesses • Create a revision timetable that includes all units covered, ensure you allocate extra time for the areas you have identified as a weakness • Use your exercise books and revision guide or the knowledge organisers to revise all units 		
Internet websites and apps for study support		
<ul style="list-style-type: none"> - Seneca learning - Mathsandphysicstutor.co.uk - BBC Bitesize https://www.bbc.co.uk/bitesize/subjects/zng4d2p 		
Study areas to practise or complete	Where to find the information to revise	Tick when complete
Biology		
- Describe the purposes of anaerobic respiration and aerobic respiration.	Video Notes Quiz	
- Describe the purpose of photosynthesis	Video Notes	
Chemistry		
- Describe the reactions of metals based on the reactivity series.	Notes Video Quiz	
- Describe displacement reactions	Notes Video	
- To draw the electronic configuration of an atom.	Video Notes	
Physics		
- To explain the properties of electromagnetic waves	Video Notes Quiz	
- To identify series and parallel circuits	Video Notes Quiz	
- Describe and calculate the following values in series and parallel circuits: power, current, resistance, potential difference	Video - Current in Series Circuits Video - Current in Parallel Circuits Video - Resistance Video - Power	

	Video - Potential Difference in Parallel Circuits Potential Difference in Series Circuits Notes Notes Mini-Test Current and Potential Difference	
Key skills to practise	Where to find support on how to practise	Tick when complete
Ensure you know how to convert units of measurement	Notes	
Ensure you can represent numbers to given number of significant figures	Notes and practice	
Use command words appropriately	AQA	
Use evidence to make evaluations.	Video	
How to draw graphs	Notes and Practice	