

Year 10 Spring term 1

Year 10 students will study 1 physics and 1 chemistry topic this half term and will start a 3rd topic either in chemistry or biology.

Class	Teacher	02/01/2023	09/01/2023	16/01/2023	23/01/2023	30/01/2023	06/02/2023
		Bank Hol and Inset					
		week 15	week 16	week 17	week 18	week 19	week 20
10ns/Sc1 and 10ns/Sc2	SHI	<u>C8 Acids and Alkalis</u> <ol style="list-style-type: none"> 1. What are acids and alkalis/bases? 2. What are the dangers of acids and alkalis? 3. What makes an acid? (H only) 4. How do acids and bases react? 5. Core practical: Preparing Copper Sulfate 6. How do acids and metal hydroxides react? 7. Core Practical: Investigating Neutralisation 8. What happens to the particles during neutralisation? 9. How do acids and metals and carbonates react? 10. Which salts are soluble? 					<u>(start) C9 Quantitative Chemistry</u> <ol style="list-style-type: none"> 1. How do I calculate relative formula mass? 2. How do I calculate empirical formula?
	OBO	<u>P4&5 Waves and Electromagnetic Spectrum</u> <ol style="list-style-type: none"> 1. How can we describe waves? 2. How do we measure and calculate the speed of a wave? 3. How are waves reflected? 4. How are waves refracted? 5. Core practical: Investigating waves 6. What are electromagnetic waves? 7. Core practical: Investigating refraction 8. What are the parts of the EM spectrum? 9. What are the parts of the EM spectrum used for and what are the dangers of the EM spectrum? 					<u>(start) B6 Plant Structures and Functions</u> <ol style="list-style-type: none"> 1. What is photosynthesis? 2. What are the factors that affect photosynthesis?

	JBE	<p><u>C8 Acids and Alkalis</u></p> <ol style="list-style-type: none"> 1. What are acids and alkalis/bases? 2. What are the dangers of acids and alkalis? 3. What makes an acid? (H only) 4. How do acids and bases react? 5. Core practical: Preparing Copper Sulfate 6. How do acids and metal hydroxides react? 7. Core Practical: Investigating Neutralisation 8. What happens to the particles during neutralisation? 9. How do acids and metals and carbonates react? 10. Which salts are soluble? 	<p><u>(start) C9 Quantitative Chemistry</u></p> <ol style="list-style-type: none"> 1. How do I calculate relative formula mass? 2. How do I calculate empirical formula?
10ns/Sc3 and 10ns/Sc4	HZA	<p><u>P4&5 Waves and Electromagnetic Spectrum</u></p> <ol style="list-style-type: none"> 1. How can we describe waves? 2. How do we measure and calculate the speed of a wave? 3. How are waves reflected? 4. How are waves refracted? 5. Core practical: Investigating waves 6. What are electromagnetic waves? 7. Core practical: Investigating refraction 8. What are the parts of the EM spectrum? 9. What are the parts of the EM spectrum used for and what are the dangers of the EM spectrum? 	<p><u>(start) B6 Plant Structures and Functions</u></p> <ol style="list-style-type: none"> 1. What is photosynthesis? 2. What are the factors that affect photosynthesis?

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	BNE	<u>B6 Plant Structures and Functions</u> <ol style="list-style-type: none"> 1. What is photosynthesis? 2. What are the factors that affect photosynthesis? 3. Core practical: Light intensity and photosynthesis 4. How do plants absorb water and minerals? 5. How are substances transported around plants? 		
10ns/Sc6	JTO	<u>P4&5 Waves and Electromagnetic Spectrum</u> <ol style="list-style-type: none"> 1. How can we describe waves? 2. How do we measure and calculate the speed of a wave? 3. How are waves reflected? 4. How are waves refracted? 5. Core practical: Investigating waves 6. What are electromagnetic waves? 7. Core practical: Investigating refraction 8. What are the parts of the EM spectrum? 9. What are the parts of the EM spectrum used for and what are the dangers of the EM spectrum? 	<u>C8 Acids and Alkalis</u> <ol style="list-style-type: none"> 1. What are acids and alkalis/bases? 2. What are the dangers of acids and alkalis? 3. What makes an acid? (H only) 4. How do acids and bases react? 5. Core practical: Preparing Copper Sulfate 6. How do acids and metal hydroxides react? 7. Core Practical: Investigating Neutralisation 8. What happens to the particles during neutralisation? 9. How do acids and metals and carbonates react? 10. Which salts are soluble? 	<u>(start) B6 Plant Structures and Functions</u> <ol style="list-style-type: none"> 1. What is photosynthesis? 2. What are the factors that affect photosynthesis? 3. Core practical: Light intensity and photosynthesis 4. How do plants absorb water and minerals?

10ns/Sc7	RPI	<p><u>C8 Acids and Alkalis</u></p> <ol style="list-style-type: none"> 1. What are acids and alkalis/bases? 2. What are the dangers of acids and alkalis? 3. What makes an acid? (H only) 4. How do acids and bases react? 5. Core practical: Preparing Copper Sulfate 6. How do acids and metal hydroxides react? 7. Core Practical: Investigating Neutralisation 8. What happens to the particles during neutralisation? 9. How do acids and metals and carbonates react? 10. Which salts are soluble? 	<p><u>P4&5 Waves and Electromagnetic Spectrum</u></p> <ol style="list-style-type: none"> 1. How can we describe waves? 2. How do we measure and calculate the speed of a wave? 3. How are waves reflected? 4. How are waves refracted? 5. Core practical: Investigating waves 6. What are electromagnetic waves? 7. Core practical: Investigating refraction 8. What are the parts of the EM spectrum? 9. What are the parts of the EM spectrum used for and what are the dangers of the EM spectrum? 	<p><u>(start) B6 Plant Structures and Functions</u></p> <ol style="list-style-type: none"> 1. What is photosynthesis? 2. What are the factors that affect photosynthesis? 3. Core practical: Light intensity and photosynthesis 4. How do plants absorb water and minerals?
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