

Year	Autumn Terms		Spring Terms		Summer Terms		Assessments	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		
7	<b>Introduction to Science Safety</b> <b>7A - Cells</b> <b>7G - Solids, Liquids and Gasses</b>	<b>7B Reproduction</b> <b>7H - Solutions</b>	<b>7C Environment &amp; Feeding</b> <b>7K - Forces</b>	<b>7E - Acids and Alkalis</b> <b>7I - Energy</b>	<b>7F - Simple Chemical Reactions</b> <b>7L - Solar System</b>	<b>7J - Electricity</b> <b>7D - Variation and Classification</b>	WRATs Testing - Baseline End of Unit Assessments End of Year Assessment	
8	<b>8A - Food and Nutrition</b> <b>8G - Metals and their uses</b>	<b>8B - Plants and their Reproduction</b> <b>8H - Rocks</b>	<b>8C - Breathing and Respiration</b> <b>8K - Energy Transfers</b>	<b>8E - Combustion</b> <b>8I - Fluids</b>	<b>8F - The Periodic Table</b> <b>8L - Earth and Space</b>	<b>8J - Light</b> <b>8D - Unicellular Organisms</b>	WRATs Testing - Check End of Unit Assessments End of Year Assessment	
9	KS3 Consolidation Lessons Practical Skills in Science (CASE) Mathematical Skills in Science	KS3 Consolidation Lessons GCSE Preperation Practical Skills in Science	<b>COMBINED SCIENCE</b> - Biology: 1. Cell Biology - Physics 3. Particle Model of Matter	<b>COMBINED SCIENCE</b> -Physics 7. Atomic Structure - Chemistry 1. Atomic Structure Periodic Table	<b>COMBINED SCIENCE</b> Chemistry 2. Bonding, Structure and Properties of Matter - Biology 2 Organisation	<b>COMBINED SCIENCE</b> Physics - 2. Energy	WRATs Testing - Check End of Unit Assessments End of Year Assessment	
<b>Combined Science Students</b>								WRATs Testing - Check End of Year Assessment
10	<b>Physics 4. Electricity</b> <b>Chemistry 3. Quantative Chemistry</b> <b>Chemistry 4. Chemical Changes</b>	<b>- Biology 3. Infection and Response</b> <b>Biology 5 . Homeostasis and Response</b>	<b>Chemistry 5. Energy Changes</b> <b>Chemistry 6. Rate and Extent of Chemical Change</b>	<b>Physics 6 Waves</b>	<b>Physics 5. Magnetism &amp; electromagnetism</b>	<b>C9. Chemistry of the Atmosphere</b> <b>Biology 7. Ecology</b>	WRATs Testing - Check GCSE Examinations	
11	<b>Chemistry 7. Organic Chemistry</b>	<b>Biology 4. Bioenergetics</b>	<b>Chemistry 8. Chemical Analysis</b>	<b>Physics 1. Forces</b> <b>Chemistry 10. Using Resources</b>	<b>Biology 6 Inheritance, Variation and Evolution</b>		WRATs Testing - Check GCSE Examinations	
<b>Triple Science Option Students (Combined Science and 4 lessons per week extra to cover the below):</b> <b>The extra sessions of Triple Science focus on adding the additional material to the topics students have already studied and Physics 8 - Space Physics which is a seperate Topic.</b>								
10	<b>Physics 8. Space Physics</b> <b>Chemistry 1 - Atomic Structure and Periodic Table</b> - Properties of Transition Metals <b>Chemistry 2 - Bonding, Structure and Properties of Matter</b> - Bulk and surface properties of matter including nanoparticles	<b>Physics 7 - Atomic Structure</b> - Decay Equations - Background Radiation - Uses and Hazards of Radiation - Nuclear Fission and Fusion <b>Chemistry 3 - Quantitative Chemistry</b> - Yield and Atom Economy - Using concentrations in solutions - Use of amount of substance in relation to volumes of gas <b>Chemistry 4 - Chemical Changes</b> - Titrations	<b>Physics 3 - Particle Model of Matter</b> - Pressure - Pressure Calculations - Work done on a Gas <b>Physics 4 - Electricity</b> - Static Electricity - Transformers	<b>Physics 6 Waves</b> - Reflection - Sound and Ultrasound - Lenses - Blackbody Radiation - Rate of Radiation <b>Chemistry 5 - Energy Changes</b> - Chemical cells and Fuel Cells	<b>Biology 5 - Homeostasis and Response</b> - The brain - The eye - Control of body temperature - Maintaining water and nitrogen balance in the body - Control of coordination - Use of plant hormones	<b>Physics 4 - Electricity</b> - Static Electricity - Transformers <b>Physics 5. Magnetism &amp; electromagnetism</b> - Applications of the Motor Effect - The Generator Effect - Transformers	WRATs Testing - Check GCSE Examinations	
11	<b>Biology 7 - Ecology</b> - Decomposition - Impact of Environmental change - Trophic levels - Pyramids of Biomass - Transfer of Biomass - Factors affecting food security - Farming techniques - Role of biotechnology	<b>Chemistry 7 - Organic Chemistry</b> - Reactions of alkenes and alcohols - Synthetic and Naturally Occuring Polymers	<b>Biology 1 - Cell Biology</b> - Cultivating Microorganisms <b>Biology 3 - Infection and Response</b> - Monoclonal antibodies - Plant Disease	<b>Chemistry 8 - Chemical Analysis</b> - Identification of ions bu chemical and spectroscopic means	<b>Chemistry 10 - Using Resources</b> - Using materials - The Haber Process - Use of NPK Fertilisers <b>Biology 6 - Inheritance, Variation and Evolution</b> - Adv and Disadv of sexual and asexual reproduction - Cloning - Theory of Evolution - Understanding of Genetics		WRATs Testing - Check GCSE Examinations	
<b>Single Science (Biology) for studnets just opting to sit a single science</b>								
10	<b>Biology 1 - Cell Biology Recap</b> <b>Biology 2 - Organisation Recap</b>	<b>Biology 3 - Infection and Response</b>	<b>Biology 4 - Bioenergetics</b>	<b>Biology 5 - Homeostasis and Response</b>			WRATs Testing - Check GCSE Examinations	
11	<b>Biology 7 - Ecology</b>	<b>Biology 6 Inheritance, Variation and Evolution</b>	<b>Revision</b>				WRATs Testing - Check GCSE Examinations	