

Term 1 and 2 – 2020 Curriculum Planning

Curriculum plan for term 1 and 2 in response to C-19 and return to school. These curriculum alterations have been reviewed in light of curriculum delivered in home learning, pupil assessment and engagement.

Department: Science

		Content edited and / or repeated.	Curriculum Changes – What and How	Follow up for linked units further into the key stage
Term 1	Year 7 - Forces and Reproduction	We have shortened our science skills topic and moved it to the end of the year as they currently cannot do any science practicals so cannot practise and engage with the practical science skills.	We moved forces and reproduction to the start of the term as they are topics which require fewer practicals to cover and so will not suffer from a lack of practical teaching.	All our KS3 topics are cyclic and so are taught again in KS4. The practical skills topic has been re-seated at the end of year 7 and all other topic links can be seen in the curriculum maps.
	Year 8 – Electricity and The Periodic Table	First two weeks of the year have been given over to revise and recover the content taught during lockdown. This gives students who couldn't access the online learning the opportunity to pick up the key points and those who did do the online work can cement their knowledge before moving into year 8 work. The topics covered in the catch-up are rocks, space and interdependence.		All our KS3 topics are cyclic and so are taught again in KS4. The year 8 topic links can be seen in the curriculum maps.
	Year 9 Combined – Inheritance	First three weeks of the year have been given over to revise and recover the content taught during lockdown. This gives students who couldn't access the online learning	To make space for the three-week recap of year 8 we have removed the KS3 topic work and energy as the main content from	The new topic covered in this term link directly with GCSE topics covered in years 10 and 11.

		the opportunity to pick up the key points and those who did do the online work can cement their knowledge before moving into year 9 work. The topics covered in the catch-up are climate, types of reactions, respiration and photosynthesis.	this is covered again in the P1 Energy topic later in the year	
	Year 10 Combined – B4 Bioenergetics, P4 Atomic Structure & Radiation and C2 Bonding & Structure	No changes made to the start of year 10 as in year 9 they were able to cover the first three GCSE topics before the start of lockdown.		All GCSE topics build from Ks3 topics and the skills learnt in each are transferrable to later topics
	Year 11 Combined – B7 Ecology and P5 Forces	<p>The B7 Ecology unit is one normally done at the end of year 10 but has been moved due to lockdown.</p> <p>The year 11s would usually start with C6 Rates of Reactions but this has now been moved to the end of the year and put into the usual C10 Using Resources position to make space for the B7 ecology topic.</p>	C10 Using Resources was moved out of year 11 and into year 10 as it was one that could be done during lockdown without making too many compromises.	All GCSE topics build from Ks3 topics and the skills learnt in each are transferrable to later topics
	Year 9 Triple – B1 Cell Biology	Year 9 triple students have started as usual with the B1 Cell Biology topic. The practical aspects of using microscopes has had to be taught through theory as has the osmosis practical. Both have had videos made by members of the APS science team to show how the required practicals would have worked.	No curriculum changes needed for year 9 triple as they are starting a new course.	All GCSE topics build from Ks3 topics and the skills learnt in each are transferrable to later topics

	Year 10 Triple – P4 Atomic Structure, P2 Electricity, C2 Bonding, C3 Quantitative Chemistry, B3 Infection and Response, B4 Bioenergetics	No specific content changes have been made other than to teach the required practicals as theory only making use of teacher demonstrations when appropriate.	Only curriculum change is to add P4 atomic structure into the first set of rotations which would have otherwise been taught at the end of year 9. There has been no need to move any topics to make space for this as it is a small unit which can fit in with P2 Electricity.	All GCSE topics build from Ks3 topics and the skills learnt in each are transferrable to later topics
	Year 11 Triple – B7 Ecology, P5 Forces, C4 Chemical Changes, C5 Energy Changes, P6 Waves, C7 Organic Chemistry, C8 Chemical Analysis, B6 Inheritance	No specific content changes have been made other than to teach the required practicals as theory only making use of teacher demonstrations when appropriate. Also, some content has been condensed to fit all the topics in.	As the year 10 triple rotation was interrupted and halted, the first rotation of this year is to finish off the final rotation from last year. To allow for this catch-up time C10 Using Resources was moved to year 10 and covered during lockdown and the rotations have been shortened to allow all content to be taught.	All GCSE topics build from Ks3 topics and the skills learnt in each are transferrable to later topics
Term 2	Year 7 Cells and Particle Theory		The term 1 topics have been moved to term 2 as students are now settled to the routine and demonstrations are allowed in class.	
	Year 8 Nutrition, Digestion and Heat Transfer	No Changes to year 8 term 2 other than practical science has been swapped for demonstrations where possible and videos where not		
	Year 9 Combined – Magnets & Rates of reaction	No Changes to year 9 term 2 other than practical science has been swapped for demonstrations where possible and videos where not		

	Triple – C1 Atomic structure and the Periodic Table			
	Year 10 Combined – P2 Electricity & B2 Organisation Triple - P4 Atomic Structure, P2 Electricity, C2 Bonding, C3 Quantitative Chemistry, B3 Infection and Response, B4 Bioenergetics	No Changes to year 10 term 2 other than practical science has been swapped for demonstrations where possible and videos where not		
	Year 11 Combined – C7 Organic Chemistry, C8 Chemical Analysis, P6 Waves Triple - P6 Waves, C7 Organic Chemistry, C8 Chemical Analysis, B6 Inheritance	No Changes to year 11 term 2 other than practical science has been swapped for demonstrations where possible and videos where not		