

Advised time: **Combined Science – 2-3 hours per week**, Triple – 3-4 hours per week

Date (from Mon's)	Biology	Chemistry	Physics	Things I didn't understand
11 th Nov	B1.1 Cell structures B1.2 What happens in cells?	C1.1 The particle model C1.2 Atomic structure	Look at the Physics equations sheet Which will you be given? Which do you need to learn? Practice how to rearrange equations	
18 th Nov	B1.3 Respiration	C2.1 Purity & separating mixtures	P2.1 Motion	
25 th Nov	B1.4 Photosynthesis	C2.2 Bonding	P2.2 Newton's laws –part 1 (P2.2a-h)	
2 nd Dec	B2.1 Supplying the cell	C2.3 Properties of materials	P2.2 Newton's laws –part 2 (P2.2i-p)	
9 th Dec	B2.2 The challenges of size	C3.1 Introducing chemical reactions	P2.3 Forces in action	
Christmas holidays	Go over things you didn't fully understand from the previous topics, learn them – write a list of questions you may need to ask. Use this time to catch up if you are behind schedule or to make resources for future topics. January mocks: Biology Wed 8th; Chemistry Tues 14th; Physics Wed 15th. These will cover B1, 2, 3; C1, 2, 3; P1, 2, 3 (taught in years 9 &10)			
6 th Jan	Exam Qs - Focus on key words What does the question want you to answer?	6mark Exam Qs –Look at your book Have I written 6 points worth of information? Have I answered the question?	Exam Qs - Focus on calculations What do I need to know? How do I work it out?	
13 th Jan	How Science Works Reading graphs and using the data to answer a question "Describe the trend"	How Science Works Explaining data – what does it show and why?	How Science works Evaluate and conclude – how does this relate to what we've learnt What does it show me?	
20 th Jan	B3.1 Coordination & control – nervous syst.	C3.2 Energetics	P1.2 Changes of state	
27 th Jan	B3.2 Coordination & control – endocrine syst.	C3.3 Types of chemical reactions	P3.1 Static & charge	
3 rd Feb	B3.3 Maintaining internal environments	C3.4 Electrolysis	P3.2 Simple circuits	
10 th Feb	B4.1 Ecosystems	C4.1 Predicting chemical reactions	P3.3 Magnets & magnetic fields	
Half term week	Catch up and rest week. It's been a very busy term. Take the time to make sure you have revised EVERYTHING listed above including the Exam Qs and How Science Works sections (in case you got a little behind!). Go over anything that you don't fully understand. Write a list of things you need to ask your teachers about			
24 th Feb	B5.1 Inheritance	C5.1 Controlling reactions	P4.1 Wave behaviour P4.2 The electromagnetic spectrum	
2 nd Mar	B5.2 Natural selection & evolution	C5.2 Equilibrium	P1.1 The particle model P4.3 Radioactivity	
9 th Mar	B6.1 Monitoring & maintaining the environment	Chemical mathematics Check your understanding of: Empirical formulae; standard form; gradients; graph drawing; half equations; ionic equations	P5.1 Work done P5.2 Power & efficiency	
16 th Mar	Mocks & end of unit tests Go over old exam papers Where do I normally lose marks?	Mocks & end of unit tests What topics come up every time? Write them down and learn them What does the green pen say?	Mocks & end of unit tests Are there any equations I can just learn and not have to balance? Where do I go wrong?	
23 rd Mar	B6.2 Feeding the human race	C6.1 Improving processes & products	P6.1 Physics on the move	
30 th Mar	B6.3 Monitoring & maintaining health	C6.2 Interpreting & interacting with Earth systems	P6.2 Powering Earth	
Easter holidays	Week 1: Catch up and rest week. Take the time to make sure you have revised EVERYTHING listed above (in case you got a little behind!) Week 2: PAGs (practical activity groups): Read over experiments that you have completed, learn methods and techniques. PAGs can be found on P126-130 of the OCR exam specification. Additional: Go over the command words for OCR Gateway Science – what does each one mean? What does the examiner want you to do?			
21 st Apr	Return to school – You have 22 days until your first Science exam. Go over everything, what do you know, what do you not know fully? Go over your two mock papers (January and Easter) and your green pen feedback – what are your weaknesses?			

Dates of summer exams 2020: Combined Science
Biology: B1,2,3 – Tues 12th May (pm); B4,5,6 – Mon 1st June (pm)
Chemistry: C1,2,3 – Thurs 14th May (am); C4,5,6 – Wed 10th June (pm)
Physics: P1,2,3 – Wed 20th May (pm), P4,5,6 – Fri 12th June (am)

OCR Gateway Specification referenced (e.g. B1.1) can be found here: <https://www.ocr.org.uk/qualifications/gcse/gateway-science-suite-combined-science-a-j250-from-2016/>

As you may notice, some content needed for the January mocks will not have been covered by the time you sit the mocks according to this timetable. It may be sensible to start early and read over these topics before the revision timetable starts or to use the holiday rest breaks to get ahead of the timetable.

If using Kerboodle (the online textbook), if you are a double student – make sure you are using the "Combined Science" textbooks and not the single Science Triple books

Please ensure that you have access to a scientific calculator and that you are bringing it to EVERY Science lesson. This way you will learn how to use your calculator with enough time to be completely comfortable with it before the real exams. You can take a calculator into all of your Science exams.