

Year 11 – Mock Exam

Revision Timetable: Science



You should be aiming to revise for about half an hour per evening, dividing your time roughly equally between the three Sciences. Revision should be **ACTIVE** not *passive* – which means you should be ‘*doing*’ something, rather than just ‘*reading your notes*’.

Your first **mock exams** will take place just after autumn half term. You will need to revise for all topics from Paper 1 only. *This includes topics learned in lockdown.*

Topic	 <p><i>For those of you following/using your revision guides – this is a list of topics you need to cover for each paper.</i></p>
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MOCK EXAMS November 2020	<u>Biology topics:</u> <ul style="list-style-type: none"> ● Cell Biology ● Organisation ● Infection and Response ● Bioenergetics 	<u>Chemistry topics:</u> <ul style="list-style-type: none"> ● Atomic structure/Periodic Table ● Bonding, structure and properties of matter ● Quantitative Chemistry ● Chemical Changes ● Energy Changes
	<u>Physics topics:</u> <ul style="list-style-type: none"> ● Energy ● Electricity ● Particle model of matter ● Atomic structure 	<p>USE THESE BITESIZE LINKS ALONGSIDE THE TOPIC LISTS:</p> <p>BBC Bitesize - Biology</p> <p>BBC Bitesize - Chemistry</p> <p>BBC Bitesize - Physics</p>

To help prepare you for your mock exams in Year 11

Topic/week	 Read this	 Watch this
BIOLOGY Cell Biology and Organisation	<p>https://www.bbc.co.uk/bitesize/topics/z2mttv4</p> <p>https://www.bbc.co.uk/bitesize/topics/zwj22nb</p>	<p>Cells: https://www.youtube.com/watch?v=sdpmVQooYS4</p> <p>Organisation: https://www.youtube.com/watch?v=DJ0IZGkDx6A</p>
CHEMISTRY Atomic Structure, Periodic Table, Bonding	<p>https://www.bbc.co.uk/bitesize/topics/zcckk2p</p>	<p>Atomic Structure: https://www.youtube.com/watch?v=bgyuXU97jal</p>

	https://www.bbc.co.uk/bitesize/topics/z33rrwx	Bonding: https://www.youtube.com/watch?v=YpEQ-NWxKBC
PHYSICS Energy & Electricity	https://www.bbc.co.uk/bitesize/topics/z89ddxs https://www.bbc.co.uk/bitesize/topics/zcg44qt	Energy: https://www.youtube.com/watch?v=UyeFNz7sHYg Electricity: https://www.youtube.com/watch?v=EmCGF49Uils

Week 1 (above) – TRY THIS: Try different activities to secure a good understanding of these topics as they're the fundamentals. Watch the videos and pause them as you go along to make revision flash cards that are your own. **TOP TIPS:** For Biology, practise magnification calculations. For Physics, ensure you have learned the equations that are not on the equations sheet provided.

BIOLOGY Infection and response	s-cool BBC Bitesize - Infection and Response	youtube - Primrose Kitten Pathogens video
CHEMISTRY Chemical Changes Energy Changes	BBC Bitesize - Chemical Changes Revision s-cool	youtube - Primrose Kitten Electrolysis video
PHYSICS Atomic Structure	BBC Bitesize - Atomic Structure Revision	youtube - Primrose Kitten

Week 2 (above) – TRY THIS: Produce mind maps of the topics you have revised this week. At the end of the week cover them and see if you can write them out. What do you remember? What hasn't stuck? Try some of the end of chapter revision questions from your revision guide. **TOP TIP:** For Electrolysis in Chemistry make a poster that you can use to teach a family member with (this one is a particularly challenging topic).

BIOLOGY Bioenergetics	https://www.bbc.co.uk/bitesize/topics/zgr997h	Revision: https://www.youtube.com/watch?v=1KIAWiHQ4sM Quick fire questions: https://www.youtube.com/watch?v=1nuYpKaQ3jA
CHEMISTRY Quantitative Chemistry	Combined Science: https://www.bbc.co.uk/bitesize/topics/zsnyy4j Triple Science:	Revision: https://www.youtube.com/watch?v=eAibVvhmsK0 Quick fire questions: https://www.youtube.com/watch?v=8uqWdmIKd7c
PHYSICS Particle Model of matter	https://www.bbc.co.uk/bitesize/topics/z3ybb82	Revision: https://www.youtube.com/watch?v=vtuw9Ib1c3E Quick fire questions: https://www.youtube.com/watch?v=z9L6zfmVk3U

Week 3 (above) – NOTE: This week there are significant differences in the topics covered in Chemistry by Combined Science and Triple Science students – please follow the correct links!
TRY THIS: Have a go at the 'quick fire questions' (see video links) to self-assess and find out what you

still need to know. **TOP TIPS:** For Quantitative Chemistry practise some of the calculations you need to be able to do – there are some examples in the Bitesize Links. If you struggle with your maths skills in Science, see the blog links below!

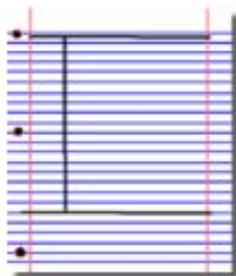
Other ways to help yourself achieve!...

<p>Work on Improving your Maths Skills for Science</p>	<p>Suggested book: CGP Maths Skills Book Blogs (free): Maths Skills in Science Physics Equations Biology Maths Skills (online book)</p>	<p> Watch! Make Science Easy Watch this video clip for a great tutorial on Maths skills for Science - all the basics covered in 20 minutes!</p>
<p>Google Classroom Code: p6ekeep</p>	<p>Practice Papers Don't forget to access and try the practice papers that are made available to you on the revision classroom.</p>	<p>PiXL Materials Bored with your revision guide or BBC Bitesize? Try the PiXL 'Know it' packs or the Knowledge Organisers to check your learning.</p>
<p>REVISION GUIDES (if you don't already have them)</p>	<p>Combined Science CGP - Biology for Combined Science CGP - Chemistry for Combined Science CGP - Physics for Combined Science</p>	<p>Triple Award Science GCSE Biology GCSE Chemistry GCSE Physics</p>

WANT A NEW WAY TO MAKE SUMMARY NOTES?

If you would like to try a new way of making notes in Year 11, or to practise summarising information to help you revise then try the Cornell note method described below:

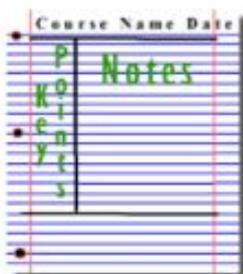
1. Divide your page into three sections like this



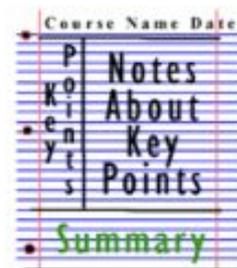
2. Write the name, date and topic at the top of the page



3. Use the large box to make notes. Leave a space between separate idea. Abbreviate where possible.



4. Review and identify the key points in the left hand box



5. Write a summary of the main ideas in the bottom space

