

Year 11 Science PPE's 2022

For COMBINED topics – we have used the TRIPLE topic codes from the SEPARATE books on kerboodle – so make sure you look at the NAME of the topic (rather than the number)

	Combined Science	Triple Science
Length and number of exams	Three exams: one for biology, one for chemistry, one for physics. Each will be 1 hour 15 minutes long.	Three exams: one for biology, one for chemistry, one for physics. Each will be 1 hour 45 minutes long.
Date of exams <i>(5th-16th Dec)</i>	Biology: TBC Chemistry: TBC Physics: TBC	Biology: TBC Chemistry: TBC Physics: TBC
Biology paper topics	Paper 1 topics, except B5/B6 B1: Cell structure and transport B2: cell division B3: Organisation and the digestive system B4: Organizing animals and plants B7: Non-communicable diseases B8: Photosynthesis B9: Respiration	SOME Biology paper 2 topics B10: The Human nervous system B11: Hormonal Co-ordination B12: Homeostasis in action B13: Reproduction B16: Adaptations, Interdependence and competition
Chemistry paper topics	ALL Chemistry paper 1 topics: C1: atomic structure C2: The periodic table C3: structure and bonding C4: Chemical calculations C5: Chemical changes C6: electrolysis C7: energy changes	ALL Chemistry paper 1 topics: C1: atomic structure C2: The periodic table C3: structure and bonding C4: Chemical calculations C5: Chemical changes C6: electrolysis C7: energy changes
Physics paper topics	ALL Physics paper 1 topics P1: Conservation and dissipation of energy P2: energy transfer by heating P3: energy resources P4: electrical circuits P5: electricity in the home P6: Molecules and matter P7: radioactivity	MOST Physics paper 1 topics (NOT P6) P1: Conservation and dissipation of energy P2: energy transfer by heating P3: energy resources P4: electrical circuits P5: electricity in the home P7: radioactivity
Equipment	2 x black pens Calculator ruler protractor for physics	
Useful revision resources	Mygcsescience (username is school email, password is BR) Cognito (sign up for free to get videos, quiz questions and exam questions) Revision sheets for each topic (on KS4 Science TEAMS) Checklists for each topic (on KS4 Science TEAMS) Required practical revision (on KS4 Science TEAMS) Kerboodle – separate AQA textbooks (username initialsurname, password the same) Free GCSE science videos	
Other information	Students will sit paper 3 PAPER 2 PPEs in March	Students will sit another paper after all topics are completed (March)

Use this strategy to help with your revision

1. Complete the **pre-assessment plan** on the next page to identify what topics/exam skills you need to practice and revise the most.
2. Once identified, use the following strategy to help with your revision.
3. Use the **revision timetable** on the final page to **identify WHEN you are going to revise each topic using the RECAP, EVALUATE, REVIEW** strategy.
4. All revision should be placed into your **revision folder**.

Stage	Description	Resources to use
STEP 1: RECAP	Make revision notes for each topic that is covered in the exams. You may CHOOSE how to display your revision notes e.g. mind maps, concept maps, bullet point notes, flash cards. Don't forget to revise the relevant required practicals	Mygcsescience (username is school email, password is BR) Cognito (sign up for free to get videos, quiz questions and exam questions) Required practical revision (on KS4 Science TEAMS) Kerboodle – separate AQA textbooks (username initialsurname, password the same) Free GCSE science videos
STEP 2: EVALUATE	Check your knowledge by using any of the following: <ul style="list-style-type: none"> • Online quizzes e.g. GCSE bitesize or cognito quiz • Test yourself or get someone to test you using your flashcards. • Use a memory dump- give yourself a set amount of time to write everything you can remember about a specific topic. Then use revision notes to check what you do/don't know- use a different coloured pen to make corrections • RAG rate the checklist for each relevant topic 	Checklists for each topic (on KS4 Science TEAMS) Combined Science Bitesize Triple Biology Bitesize Triple Chemistry Bitesize Triple Physics Bitesize Cognito for quizzes
STEP 3: REVIEW	Review your knowledge and understanding by completing exam questions on relevant topics. Correct using markschemes and a different coloured pen.	Revision sheets for each topic (on KS4 Science TEAMS) Cognito for exam questions

Pre-assessment plan

Name:

Assessment: *Yr 11 December PPE*

The content or skill which I am most concerned about is:

Content/exam skill	Why did I find this question challenging?
e.g. compare questions	I need to remember to phrase my answer 'the similarities are..... The differences are.....'
e.g. ionic bonding	I need to make sure I use dots and crosses for diagrams and remember that when a metal loses electrons, it becomes a positive ion and when a non-metal gains electrons, it becomes a negative ion.

Monitor: Using the scale below: If I were taking the assessment **now** I ...(circle the number which you agree with the most)

4	3	2	1
I could confidently answer questions on all Biology, Chemistry and Physics topics being tests in the PPE's, including questions on the required practicals.	I could answer most questions on relevant biology, chemistry and physics topics if talking to someone but might struggle to write these down fully and might struggle with the 6 mark questions	I have good knowledge of most topics and could explain a few things but find some areas difficult and particularly struggle with specific questions e.g. calculations or 6 mark questions	I would struggle to describe and explain basic ideas in biology, chemistry and physics

What do you plan to do (be specific) between now and the assessment- use the RECAP, EVALUATE, REVIEW strategy to support your learning?

Revision Timetable

1. Complete homework each day when you arrive home from school e.g. from 4-5.30pm, complete 'revision' for your PPE's each day e.g. from 6.30-8.30pm, focussing on a maximum of 2 subjects per day.
2. Write in specific Biology, Chemistry or Physics topics that you will revise each week (remember to add your other subjects e.g. Maths, English, RE, MFL, options). **You should be spending at least 1 hour per week revising each science subject (3 hours in total per week for Science)**
3. Include 'off time' slots e.g. for extra-curricular clubs or events you are attending.
4. Tick off each topic when you have used the **recap, evaluate, review** strategy to revise.

Week beginning	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
17 th Oct							
24 th Oct (half term)							
31 st Oct							
7 th Nov							
14 th Nov							
21 st Nov							
28 th Nov							
5 th Dec (PPE's start)							
12 th Dec (PPE's taking place)							