



Year 8 Annual Exam for Science

Your Year 8 Science Examination will be 1 hour long and will include a mixture of knowledge recall, analysis and application questions.

It will cover the following topics:

3B – Genes

3C – Chemical Reactions

3P – Light and Sound

Working Scientifically skills from across these topics.

Equipment

Remember to come fully equipped to your science exam. You should have a calculator, pens, pencils, ruler and eraser. Always draw graphs, diagrams and tables in pencil and show all your working for calculations.

The following is a list of suggested revision activities:

Year 8 End of Year Assessment Revision Activities

	Revision Activity	Resource to help with revision	Revised? ☒
3B: Genes	1. Look at the title page for the topic you have in your book. Check that you can define all the key vocabulary. Look at the key facts and the working scientifically boxes, and check that you are confident with these skills.	3B title page in your exercise book.	
	2. Look at the 3B knowledge organiser in your exercise book. This has lots of important key facts for the topic. Read each box, then cover it up and say it back to yourself. If possible, get someone to quiz you on the key facts.	Knowledge organisers in exercise books.	
	3. Read the relevant pages on BBC bitesize. Here there are recap videos and quizzes to enable you to test yourself. Some important ones are linked here but you can search for BBC bitesize KS3 + topic name to find pages for areas of the topic you may be struggling with.	Types of variation: Types of variation - Inheritance and genetics - KS3 Biology - BBC Bitesize Inheritance: Inheritance - Inheritance and genetics - KS3 Biology - BBC Bitesize Natural Selection: What is natural selection? - Inheritance and genetics - BBC Bitesize	
	4. Look back at the 3B topic test you did. Identify which areas you did not do so well on and focus some time reading up on these.	Exercise book, BBC bitesize, Seneca quizzes.	
3C: Chemical Reactions	1. Look at the title page for the topic you have in your book. Check that you can define all the key vocabulary. Look at the key facts and the working scientifically boxes, and check that you are confident with these skills.	3C title page in your exercise book.	
	2. Look at the 3C knowledge organiser in your exercise book. This has lots of important key facts for the topic. Read each box, then cover it up and say it	Knowledge organisers in exercise books.	



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	back to yourself. If possible, get someone to quiz you on the key facts.		
	3. Read the relevant pages on BBC bitesize. Here there are recap videos and quizzes to enable you to test yourself. Some important ones are linked here but you can search for BBC bitesize KS3 + topic name to find pages for areas of the topic you may be struggling with.	The pH scale: What is the pH scale and what does it measure? - BBC Bitesize Metal and acid reactions: What is an acid and metal reaction? - BBC Bitesize Neutralisation reactions: What is a neutralisation reaction? - BBC Bitesize	
	4. Look back at the 3C topic test you did. Identify which areas you did not do so well on and focus some time reading up on these.	Exercise book, BBC bitesize, Seneca quizzes.	
3P: Light and Sound	1. Look at the title page for the topic you have in your book. Check that you can define all the key vocabulary. Look at the key facts and the working scientifically boxes, and check that you are confident with these skills.	3P title page in your exercise book.	
	2. Look at the 3P knowledge organiser in your exercise book. This has lots of important key facts for the topic. Read each box, then cover it up and say it back to yourself. If possible, get someone to quiz you on the key facts.	Knowledge organisers in exercise books.	
	3. Read the relevant pages on BBC bitesize. Here there are recap videos and quizzes to enable you to test yourself. Some important ones are linked here but you can search for BBC bitesize KS3 + topic name to find pages for areas of the topic you may be struggling with.	Light: Light Waves - BBC Bitesize Colour: Revise what colour is, which colours the eye sees and the practical uses of colour in photography. - BBC Bitesize Sound: Introduction to sound waves guide for KS3 physics students - BBC Bitesize	
	4. Look back at the 3P topic test you did. Identify which areas you did not do so well on and focus some time reading up on these.	Exercise book, BBC bitesize, Seneca quizzes.	