

GCSE Science

Y11 Revision Guide January – May 2026

Exam Specification and Exam Board	Combined Science Trilogy AQA - 8464
Past Paper Questions	Assessment Resources
Useful Revision Websites	BBC Bitesize SENECA Cognito Sparx Science
Exam Info	12 May 2026 – Biology Paper 1 18 May 2026 – Chemistry Paper 1 2 June 2026 – Physics Paper 1 8 June 2026 – Biology Paper 2 12 June 2026 – Chemistry Paper 2 15 June 2026 – Physics Paper 2

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Week	Activity 1	Activity 2
1 05.01.26	Biology – Ecology Watch the video on ecological definitions Create flash cards for each definition	Watch the video on the sampling required practical and write out your method to sample a school field to determine the population cover of daisies Try some of the questions from the practice questions Mark scheme
2 12.01.26	Chemistry – Rates Write out definitions for each of the following key words Rate of Reaction Activation Energy Collision Theory Reactants Products Concentration Temperature Surface Area Catalyst Reversible Reaction Equilibrium Dynamic Equilibrium Le Chatelier's Principle Rate Equation Pressure (for gases) Collision Frequency Successful Collisions Concentration Gradient	Watch the video on rates of reaction (up to six to watch) Try some of the questions from the practice questions Mark Scheme
3 19.01.26	Physics – Forces Watch the video and produce a summary sheet of the forces content	Try some of the questions from the practice questions using the link below Higher Tier Foundation Tier Mark Scheme Higher Foundation

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<p>4 26.01.26</p>	<p>Biology – Homeostasis Watch the video as a starting point and then make key word flash cards for the key words below:</p> <p>Homeostasis Negative Feedback Receptor Effector Coordinator Glucose Regulation Insulin Glucagon Pancreas Glycogen Type 1 Diabetes Type 2 Diabetes Dialysis Endocrine System Hormone Endocrine Glands Pituitary Gland Thyroid Gland Adrenal Gland Fertility Contraception</p>	<p>Watch the following two videos on the required practicals and write out a bullet point method for each. Microscopy Osmosis</p> <p>For the osmosis practical what other food could they use to replace the potato?</p> <p>Try some of the questions on transport in cells from the practice questions</p> <p>Mark Scheme</p>
<p>5 02.02.26</p>	<p>Chemistry – Chemical changes Watch the video clip on chemical changes and make a mind map of the key points</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
<p>6 09.02.26</p>	<p>Physics – Waves Watch the video as a starting point and then make key word flash cards for the key words below:</p> <p>Wave Amplitude Wavelength Frequency Transverse wave Longitudinal wave</p>	<p>Try some of the questions from the practice questions using the link below Higher Foundation</p> <p>Mark Scheme Higher Foundation</p>

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	<p>Reflection Refraction Electromagnetic waves Sound waves Radio waves Microwaves Infrared Visible light Ultraviolet X-rays Gamma rays</p>	
February Half Term	<p>Biology – Organisation Watch the video on the topic of organisation and make notes on key topics – digestion, heart and circulatory system, respiratory system and plant organisation</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
7 23.02.26	<p>Chemistry - Bonding For each key word below write out a definition with an example: Atom Ion Ionic Bond Covalent Bond Metallic Bond Electron Lattice Structure Electrostatic Attraction Delocalised Electrons Giant Covalent Structure Simple Molecular Structure Intermolecular Forces Dot-and-Cross Diagram</p> <p>Check understanding by completing the quiz</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
8 02.03.26	<p>Physics – Electricity Draw diagrams of series and parallel circuits to include a bulb and variable resistor. Describe how you would measure the current and</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>

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	<p>potential difference in both circuits and what you would expect to see.</p> <p>Write out a method to include the independent, dependant and control variables to show how resistance changes in different thicknesses of copper wire.</p>	
<p>9 09.03.26</p>	<p>Biology – Infection and response</p> <p>Make a revision clock and dump all you can retrieve about the following topics: Communicable diseases, human defence mechanisms, vaccinations, antibiotics and pain killers and finally discover and development of drugs. You should spend 15 minutes on each section. Then using your class notes or revision guide check where there are gaps in your knowledge and spend time focusing on those areas, either making a mind map or answering exam questions.</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
<p>10 16.03.26</p>	<p>Chemistry – Organic</p> <p>Read through the following bitesize revision pages and then answer the following questions</p> <ol style="list-style-type: none"> 1. What is a hydrocarbon? 2. Why is crude oil and important resource? Give some examples of its uses 3. What is the general formula for an alkane? 4. Draw the structural formula for ethane and butane 5. Describe how crude oil is separated into its different fractions. 	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
<p>11 23.03.26</p>	<p>Physics – Particle model of matter</p> <p>Write out definitions for the following key terms:</p> <p>Density</p> <p>Solid including a particle diagram</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>

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	<p>Liquid including a particle diagram Gas including a particle diagram Melting Freezing Boiling Evaporation Condense Sublimation Physical change Chemical change Internal energy Specific heat capacity Specific latent heat</p>	
Easter Break	<p>Complete the past paper for paper 1 content 2018. You will need to select appropriate tier of entry</p>	<p>Use the link to mark your papers and identify gaps in knowledge.</p> <p>Mark Scheme</p>
12 13.04.26	<p>Complete the past paper for paper 2 content 2018. You will need to select appropriate tier of entry</p>	<p>Use the link to mark your papers and identify gaps in knowledge.</p> <p>Mark Scheme</p>
13 20.04.26	<p>Biology - Bioenergetics Produce two revision maps for this topic one on photosynthesis and one on respiration. Your revision map should include the following:</p> <p>Photosynthesis</p> <ul style="list-style-type: none"> • Equation • Factors affecting rate of photosynthesis including sketches of graphs for temperature and carbon dioxide concentration • Method for the required practical • Uses of glucose from photosynthesis <p>Respiration</p> <ul style="list-style-type: none"> • Aerobic respiration • Anaerobic respiration • Response to exercise 	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>

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	<ul style="list-style-type: none"> Metabolism 	
<p>14 27.04.26</p>	<p>Chemistry – Energy changes</p> <p>Watch the video on energy changes and answer the questions below.</p> <ol style="list-style-type: none"> What is an exothermic reaction? Give an example. What is combustion? State two other exothermic reactions. Sketch and energy profile diagram for an exothermic reaction and add labels to explain what the products have less energy Label your energy profile to show the change in energy What is an endothermic reaction. Give an example. Sketch and energy profile diagram for an endothermic reaction and add labels to explain what the products have more energy than the reactants What is the activation energy Add labels to your diagrams to show the activation energy for both the exothermic and endothermic reactions 	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>



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15 04.05.26	<p>Physics - Radioactivity</p> <p>Watch the following videos on radioactivity https://www.youtube.com/watch?v=F_Y1-JieCrg&list=RDQMaMnFhinz5Bk&start_radio=1 https://www.youtube.com/watch?v=teGu0VAPIOo</p> <p>Complete the quiz to check understanding and identify gaps in your knowledge</p>	<p>Try some of the questions from the practice questions using the link below - Higher Tier Foundation</p> <p>Mark Scheme Higher Foundation</p>
16 11.05.26	<p>Chemistry – Chemistry of the atmosphere</p> <p>Watch the video on evolution of the Earth's atmosphere</p> <p>Now complete the quiz and check your understanding</p>	<p>Try some of the questions from the practice questions</p> <p>Mark Scheme</p>
17 18.05.25	<p>Physics – Paper one</p> <p>Complete Physics Paper 1 – June 2024 and mark with mark scheme - https://www.physicsandmathstutor.com/past-papers/gcse-physics/aqa-paper-1/</p>	
May Half Term		