Y11

Preparation for SKI week

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General Subject support

GCSE - England - BBC Bitesize	An excellent resource for most subjects
Seneca learning	Provides resources and quizzes and has free parent and student logins

English

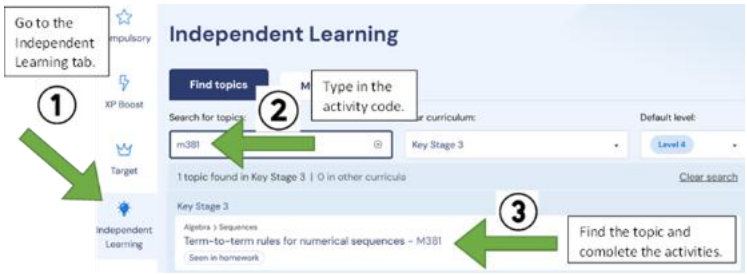
Assessment	Revision help
English Literature Paper 2: • Section A - 'An Inspector Calls' – Choose one question from 2 on the key **themes** in the play. • Section B – Cluster Poetry – The named poem will be one that deals with **conflict** as a central theme. • Section C – Unseen Poetry	Make revision cards / posters on key characters and themes in AIC and at least 5 of your favourite poems on a range of themes from the cluster. An Inspector Calls: Study Guide | SparkNotes AQA poetry anthology - GCSE English Literature - BBC Bitesize 2025 Ultimate Guide to AQA English Literature Paper 2 Section C: Unseen Poetry

Maths

Assessment	Revision help
Paper 1: 1hour 30 minutes (non-calculator) Paper 2: 1hour 30 minutes (calculator) Paper 3: 1hour 30 minutes (calculator) Use Maths Watch to watch quick video with examples and explanations MathsWatch Username – this is your school email address Password - carringtonschool	Yr 11 Revision list Foundation Yr 11 Revision list Higher Use Maths Genie for Questions and answers - Maths Genie • Learn GCSE Maths for Free

Sparx Maths

If you want to improve upon the areas you find challenging, then use the Sparx codes from our Big Picture sheets to do some independent practice.



Science

Class	Assessment	Revision help
Core Science	**Biology** – Paper 1 **Chemistry** – Paper 2 **Physics** – Paper 3	GCSE Combined Science - Edexcel - BBC Bitesize Biology Paper 1 Quizlet Chemistry Paper 1 Quizlet FOUNDATION Revision lists: **Paper 1 – Biology Focus** **Cell Biology:** - Differences between plant and animal cells - Functions of cell organelles - DNA structure and chromosomes **Genetics & Variation:** - Genes, inheritance, and variation - Selective breeding and genetic modification **Evolution & Fossils:** - Human evolution timeline (Ardi, Lucy, Homo species) - Dating fossils (carbon dating, stratigraphy) **Health & Disease:** - Communicable vs non-communicable diseases - Chlamydia and tuberculosis prevention - Waist-to-hip ratio and obesity risks **Cell Processes:** - Mitosis and properties of daughter cells - Osmosis and diffusion (potato and agar cube experiments) **Nervous System:** - Reflex arc and motor neurone structure - Myelin sheath function and synapses

BBC Bitesize Biology Revision:
https://www.bbc.co.uk/bitesize/subjects/z9ddmp3

🧫 Paper 2 – Chemistry Focus

States of Matter:
- Particle arrangements in solids, liquids, gases
- Changes of state (melting, boiling, sublimation)

Separation Techniques:
- Chromatography and Rf values
- Fractional distillation apparatus and function

Reactivity & Metals:
- Reactivity series and metal extraction
- Reactions of metals with acids
- Identifying hydrogen gas (squeaky pop test)

Chemical Calculations:
- Relative formula mass (e.g. $Zn(NO_3)_2$)
- Percentage composition and concentration

Atomic Structure:
- Subatomic particles and atomic number
- Periodic table structure and electronic configuration

Ionic Compounds:
- Precipitation reactions (e.g. $AgNO_3$ + KCl)
- Conductivity in solids vs solutions

Hazard Symbols:
- Identifying and interpreting safety symbols

BBC Bitesize Chemistry Revision:
https://www.bbc.co.uk/bitesize/subjects/zs6hvcw

⚡ Paper 3 – Physics Focus

Waves:
- Electromagnetic spectrum (uses and dangers)
- Refraction and wave graphs
- Transverse waves (e.g. earthquake waves)

Forces & Motion:
- Velocity-time graphs and acceleration
- Newton's laws and resultant forces
- Calculating acceleration and distance

Energy Transfers:
- Gravitational potential and kinetic energy
- Energy stores and conversions

Radioactivity:
- Half-life and decay calculations
- Identifying alpha, beta, gamma radiation
- Absorber experiments and count rates

Measurements & Graphs:
- Using rulers and light gates
- Graph gradients and interpreting results

Wave Properties:
- Amplitude, wavelength, wave speed
- Practical methods to measure wave speed

BBC Bitesize Physics Revision:
https://www.bbc.co.uk/bitesize/subjects/zpm6fg8

Higher Revision list

Paper 1 – Biology Focus

- Communicable and non-communicable diseases
- Tuberculosis transmission and prevention
- Obesity and waist-to-hip ratio calculations
- Cancer and mitosis
- Osmosis and diffusion in cells
- Agar cube diffusion experiments
- Human evolution and fossil evidence
- Tool use in early humans
- Three-domain classification system
- Structure and function of bacteria
- Specific immune response
- Reaction time experiments
- Neurone structure and impulse speed
- Genetic disorders: cystic fibrosis and Huntington's
- DNA extraction and structure

BBC Bitesize:
https://www.bbc.co.uk/bitesize/subjects/zrkw2hv

Paper 2 – Chemistry Focus

- Atomic structure and isotopes
- Ionic compounds and precipitation reactions
- Conductivity in solutions and solids
- Periodic table and electronic configuration
- Boiling points and molecular structure
- Separation techniques: distillation and chromatography
- Metal extraction and reactivity
- Calculations: relative formula mass, percentage composition
- Electrolysis and ionic equations
- Ammonia production: Haber process and equilibrium
- Reversible reactions and dynamic equilibrium

BBC Bitesize:
https://www.bbc.co.uk/bitesize/subjects/zs6hvcw

		Paper 3 – Physics Focus • Forces and motion: acceleration, resultant force • Velocity-time and distance-time graphs • Wave properties: amplitude, wavelength, speed • Transverse waves and earthquake waves • Refraction and light experiments • Energy transfers: GPE, KE, dissipation • Momentum and Newton's laws • Radioactivity: alpha, beta, gamma decay • Half-life and activity units • Beta particle emission and nuclear changes *BBC Bitesize:* *https://www.bbc.co.uk/bitesize/subjects/zsxfnbk*
Triple Biology	**Biology** – Paper 1	GCSE Biology (Single Science) - Edexcel - BBC Bitesize Biology Paper 1 Quizlet Complete Tassomai questions - www.tassomai.com Revision list **1. Health and Nutrition** • Interpreting percentile growth charts • Testing for fats in food • Products of fat digestion • Purpose of calorimetry **2. Communicable and Non-Communicable Diseases** • Preventing the spread of tuberculosis • Definition and examples of non-communicable diseases • Waist-to-hip ratio and health risks • Properties of cells produced by mitosis **3. Cell Transport** • Osmosis in plant cells (potato in distilled water) • Diffusion in agar cubes ○ Surface area to volume ratio ○ Calculating volume ○ Time taken for diffusion **4. Genetics and Reproduction** • Mendel's experiments and conclusions • Dominant and recessive alleles (Punnett squares) • Environmental control in genetic experiments • Asexual vs sexual reproduction • Diploid nucleus definition **5. Evolution and Classification**

		• Fossil evidence of *Homo habilis* and *Australopithecus afarensis* • Causes of extinction • Differences between prokaryotes and eukaryotes • Three-domain classification system **6. Disease and the Immune System** • Structure and function of bacteria • Calculating magnification • Symptoms and transmission of cholera • Specific immune response **7. Brain and Medical Technologies** • CT and PET scans for tumour detection • Role of glucose in PET scans • Monoclonal antibodies: production and diagnostic use **8. Nervous System and Reaction Time** • Reaction time experiments (ruler drop test) • Median calculation • Controlling variables • Effect of caffeine on reaction time • Structure and function of sensory neurones • Neurone diameter and impulse speed **9. Genetic Disorders** • Cystic fibrosis: inheritance and symptoms • Huntington's disease: dominant allele inheritance • DNA extraction ○ Process and structure of DNA **10. Ecology and Biotechnology** • Population growth trends in Europe • Fertilisers: advantages, disadvantages, and experimental improvements • Biological control (ladybirds vs pesticides) • Tissue culture for cloning plants
Triple Chemistry	**Chemistry** – Paper 1	GCSE Chemistry (Single Science) - Edexcel - BBC Bitesize Chemistry Paper 1 Quizlet Complete Tassomai questions - www.tassomai.com Detailed revision list **1. Chemical Cells and Fuel Cells** • Electrolytes and voltage in chemical cells • Reactivity series and voltage output • Dot and cross diagram for oxygen molecule • Advantages of hydrogen-oxygen fuel cells **2. Atomic Structure and Isotopes** • Subatomic particles: charge and mass

		• Atomic number and electrical neutrality • Calculating relative atomic mass from isotopic data **3. Ionic Compounds and Precipitation** • Reaction between silver nitrate and potassium chloride • Identifying and separating precipitates • Electrical conductivity in ionic solutions and metals **4. Acids, Fertilisers, and Atom Economy** • Litmus colour change and pH limitations • Uses of fertilisers in agriculture • Percentage yield and atom economy calculations • Improving atom economy in reactions **5. Periodic Table and Properties of Gases** • Period identification using electronic configuration • Boiling points and intermolecular forces • Energy and movement of molecules during cooling • Separation of gases by fractional distillation • Balanced equation for nitrogen and oxygen reaction **6. Extraction of Metals** • Thermal decomposition of malachite • Testing for carbon dioxide with limewater • Mass calculations using relative atomic masses • Comparing methods of copper extraction using carbon **7. Metals and Alloys** • Properties of transition metals • Sacrificial protection using zinc • Graphing alloy strength vs. nickel content • Interpreting and explaining alloy strength trends **8. Magnesium Sulfate and Electrolysis** • Solubility of sulfates • Percentage by mass and mole calculations • Electrolysis of magnesium sulfate ○ Ion identification ○ Oxidation and reduction reactions ○ Ionic equations **9. Ammonia and the Haber Process** • Testing for ammonia gas • Dynamic equilibrium explanation • Effect of temperature and pressure on yield • Reversible reactions and ammonium chloride formation **10. Titration and Neutralisation** • Effect of dilution on pH and H^+ concentration • Calculating concentration in g/dm^3 • Titration setup and errors • Using titration data to calculate unknown concentration

Triple Physics	**Physics** – paper 1	GCSE Physics (Single Science) - Edexcel - BBC Bitesize Complete Tassomai questions - www.tassomai.com **1. Sound Waves** • Infrasound and ultrasound frequencies • Echo time calculations using speed and distance • Why humans cannot hear infrasound **2. Forces and Motion** • Resultant force and acceleration (F = m × a) • Air resistance calculation • Investigating force on a sloping runway • Graph interpretation: force vs. height • Gradient calculation from a graph **3. Waves** • Amplitude and wavelength from diagrams • Measuring wave speed in water • Transverse waves and their effects (e.g. earthquake waves) • Distance calculation using wave speed and time **4. Radioactivity and Nuclear Energy** • Gamma rays and ionising radiation • Nuclear reactor components (e.g. control rods) • Fluorine-18 decay curve and positron interactions • Fission chain reactions • Power comparison between countries (ratio calculation) **5. Light and Refraction** • Refraction experiment with glass block and ray box • Wavelength and frequency changes in different media • Speed change of light using $v = f \times \lambda$ **6. Energy and Motion** • Gravitational potential energy ($\Delta GPE = m \times g \times h$) • Acceleration from velocity and distance • Energy dissipation during motion • Velocity change on curved track • Gradient from distance-time graph **7. Lenses and Electromagnetic Radiation** • Lens power and focal length • Virtual and real image examples • Critical angle and total internal reflection • Temperature balance of celestial bodies (e.g. Ceres) **8. Momentum and Newton's Laws** • Momentum calculation ($p = m \times v$) • Time of contact during a kick • Newton's third law in action • Conservation of momentum in collisions

		9. Radioactive Decay • Activity units (Bq) • Penetrating abilities of alpha, beta, gamma • Kinetic energy of beta particles • Beta plus decay and nuclear changes • Comparison of alpha and gamma decay **10. Astronomy and Cosmology** • Star data: mass and age • Likelihood of becoming a black hole • Nuclear fusion and mass-energy conversion ($E = m \times c^2$) • Evidence for the Big Bang Theory

MFL

Assessment	Revision help
Spanish Writing 90 words, listening and reading skills	Use the booklet provided to revise the 90 words writing. Use your own notes in your book to go through the topics covered Complete vocabulary builders on Kerboodle - Sign In GCSE Spanish: Writing Paper Walkthrough (AQA Higher) GCSE Spanish Writing (Foundation): Complete Walkthrough Identity, lifestyle and free time - GCSE Spanish - BBC Bitesize Describing daily routines and future plans - GCSE Spanish - BBC Bitesize

History

Assessment	Revision help
Students will sit a full GCSE **Paper 2 on The Cold war and Early Elizabethan England 1558-1588**. Questions will include a mix of short answer, source response and essay questions. The exam will be 90 minutes in length.	Students can access all the lesson materials via: Carrington History - Home Students will need their MS login to do so. Students and parents have also already been emailed a digest of useful online resources including Edexcel GCSE History 2024 Revision Students have hardcopy revision materials to support them.

Geography

Assessment	Revision help
Students will take a complete Paper 2: • UK Physical landscapes – Glaciation, Rivers and Coasts • UK Urban landscapes – Including London case study	Students can access all the lesson materials via: Carrington Geography - Home Students will need their MS login to do so.

• Geography fieldwork – Seaford and Redhill studies	Students and parents have also already been emailed a digest of useful online resources including Edexcel GCSE Geography Revision

Religious Education

Assessment	Revision help
Students will be tested on everything they have covered in the Christianity Unit. These are the four units, • **Christian Beliefs,** • **Marriage and the family** • **Living the Christian Life** • **Matters of Life and Death**. Each unit will consist of 4 questions, with a total of 16 questions. The exam will last for 1 hour 45 minutes (unless you have extra exam concessions such as extra time, in which case, this will be honoured). **Question (a):** This will be a 3 mark 'outline' question asking you to outline something you've learnt in the units, giving 3 points about it. **Question (b):** This will be a 4 mark 'describe' or 'explain' question asking students to 'explain' or 'describe' 2 points about a topic they have learnt. For example, 'Describe 2 Christian beliefs about the Trinity' or 'Explain 2 teachings about gender prejudice and discrimination' You will be expected to have two paragraphs as an answer- each paragraph should have a point and explanation. **Question (c):** This will be a 5 mark 'describe' or 'explain' question asking students to 'explain' or 'describe' 2 points about a topic they have learnt (as with Question 1(b) above) **and to support one of the points you have made with a source of wisdom/authority** (for example, a quote from the Bible). For example, 'Explain 2 reasons why the Trinity is important to Christians.' You will be expected to have two paragraphs as an answer- each paragraph should have a point and explanation. For one of your points, you should also refer to a source of wisdom/authority that supports the point you are making and you should say **why the source supports the point**. **Question (d):**	• Class notes • Revision guidebook • Knowledge organisers • Past papers from Edexcel • BBC bitesize • Teams shared folder

This will be a 12 mark question. This question will also have 3 marks attached to it for SPAG (spelling, punctuation, grammar). So altogether, this question will be worth 15 marks. For this question, you will be given a statement and you will be required to argue for and against the statement considering religious and non-religious views, coming to a justified conclusion at the end.	

Psychology

Assessment	Revision help
1 hour 30 mins SKI1 Assessment covering the following topics: • Social Influence • Criminal Psychology • Development • Sleep and Dreaming (all that we've covered to the end of Autumn Term 1) • Research Methods paper 1 (planning)	Ensure you've revised all of your case studies. Very important: Use PPQs, PPQs, PPQs and mark schemes please: GCSE - Psychology (9-1) - J203 OCR GCSE Psychology 2017 Revision PsychSpace - YouTube PASSMORES PSYCHOLOGY LEARNING HUB - Psychology Home

Business Studies

Assessment	Revision help
A Full Paper 1 Leadership interpretation Topic 1.1 Enterprise and entrepreneurship • The dynamic nature of business • Risk and reward • The role of business enterprise Topic 1.2 Spotting a business opportunity • Customer needs • Market research • Market segmentation • The competitive environment Topic 1.3 Putting a business idea into practice • Business aims and objectives • Business revenues, costs and profits • Cash and cash flow	Use **Two Teachers** on YouTube to revise each Paper 1 topic. Focus on short videos for: • Enterprise and entrepreneurship • Market research • Cash flow • Sources of finance • Marketing mix • External influences Use **BBC Bitesize GCSE Business Edexcel** to revise key knowledge and complete quick quizzes. Use your **exercise book** to go back over: • Key definitions • Case studies covered in class

• Sources of business finance Topic 1.4 Making the business effective • The options for start-up and small businesses • Business location • The marketing mix • Business plans Topic 1.5 Understanding external influences on business • Business stakeholders • Technology and business • Legislation and business • The economy and business • External influences	• Model answers • Feedback from previous assessments Make revision cards for the key terms in each Paper 1 topic, especially: • Revenue, costs and profit • Cash flow • Market segmentation • Competitive environment • Stakeholders • Legislation • Economic influences Practise exam questions using the structure taught in class: • **Explain** questions: make a clear point, develop it, and link it to the business. • **Analyse/Discuss** questions: give developed chains of reasoning and explain the impact on the business. • **Evaluate** questions: consider both sides and finish with a justified judgement. Spend time on calculations, especially: • Revenue • Total costs • Profit • Cash flow • Break-even-style thinking, if covered in class A good revision routine would be: • **10 minutes** learning key terms • **15 minutes** watching/reading revision content • **20 minutes** practising exam questions • **5 minutes** checking answers and improving them

PE

Assessment	Revision help
Ongoing PSA assessment	Ongoing PSA assessment

Art

Assessment	Revision help
Exploring the work of a chosen artist linked to their mock exam piece	No revision required

Economics

Assessment	Revision help
Paper 1 Mock Exam	Revision guides (Section 1 and 2) https://studyrocket.co.uk/revision/gcse-economics-ocr Mr Goff - YouTube https://www.savemyexams.com/gcse/economics/ocr/past-papers/ (Past Papers – Use Paper 1)

Computing and Computer Science

Assessment	Revision help
OCR Computer Science Paper 1 & Paper 2 **Paper 1** • Systems Architecture • Memory and Storage • Computer Networks, Connections and Protocols • Network Security • Systems Software • Ethical, Legal, Cultural and Environmental Impacts **Paper 2** • Algorithms • Programming Fundamentals • Producing Robust Programs • Boolean Logic • Programming Languages and Integrated Development Environments	OCR - Past Paper Finder - Practice papers and mark schemes https://www.csnewbs.com/ocr-gcse - Revision and practice questions GCSE (J277): OCR Specification Order - YouTube - Video lessons Python resource - Programming help

Music

Assessment	Revision help
Continue work on PSAs	Revise these topics using work from lessons

Drama

Assessment	Revision help
These revision resources will help students develop their understanding of key drama techniques, performance skills, artistic intentions and the social or historical contexts explored in lessons, enabling them to create more effective performances and evaluate their work with greater confidence.	Drama techniques: Still image - Explorative strategies - GCSE Drama Revision - WJEC - BBC Bitesize Thought-tracking and hot-seating - Explorative strategies - GCSE Drama Revision - WJEC - BBC Bitesize Cross-cutting and narrating - Explorative strategies - GCSE Drama Revision - WJEC - BBC Bitesize Vocal and physical techniques - Developing an idea - Eduqas - GCSE Drama Revision - Eduqas - BBC Bitesize Voice & Physicality: How performers use their body - Physical skills for interpreting a character - AQA - GCSE Drama Revision - AQA - BBC Bitesize Physical skills - Interpreting and performing a character - Cambridge OCR - GCSE Drama Revision - Cambridge OCR - BBC Bitesize How performers use their voice - Vocal interpretation of a character - AQA - GCSE Drama Revision - AQA - BBC Bitesize Vocal skills - Interpreting and performing a character - Cambridge OCR - GCSE Drama Revision - Cambridge OCR - BBC Bitesize
Ongoing PSA assessment	Ongoing PSA assessment

Health and Social Care

Assessment	Revision help
PSA assessment	PSA assessment

Hospitality and Catering

Assessment	Revision help
1 hour 20 minutes written paper	• Hospitality & catering provision and establishments • Job roles • Environmental issues (reduce and reuse) • Documentation • Dietary requirements • Hazard Analysis Critical Control Point (HACCP) • Hospitality & catering financing (Budget) • Environmental Health Officer (EHO)

Product Design

Assessment	Revision help
Written paper	KS4 Product Design Knowledge Organiser Y10 SKI Revision Notes Timber – Paper - Metals Drawing equipment needed.

Engineering

Assessment	Revision help
Written paper	KS4 Engineering Knowledge Organisers 2026 Y11 SKI Engineering Comprehensive Revision Tracker Drawing equipment needed.