

REVISION TOPICS – YEAR 9

Biology

B1 Key Concepts in Biology

B2 Cells and Control

Students should refer to the yellow specification booklet they were provided with at the start of the year to identify all information contained within each of the GCSE topics mentioned above.

Chemistry

Year 9 have started GCSE Chemistry (Edexcel 1-9). The topics examinable in the End of Year exam are:

- Atomic structure
- Periodic table & balancing equations
- Writing formula, atmosphere & climate change
- Obtaining and using metals
- Acids

These relate to the following parts of the specification: 1.1-1.20, 6.1-6.16, 0.1-0.3, 0.6, 8.18-8.26, 4.1-4.12, 3.1-3.21
Key concepts introduced in Year 7 and 8 are also examinable. These include writing word equations, safety, carrying out experiments and separation techniques.

Classical Civilisation

You will be examined on two topics: The Iliad and Sparta

For the Iliad

- Books 1, 3, 4, 9, 16, 22
- The quarrel between Achilles and Agamemnon
- The role of the Gods in the Iliad
- The role and characterisation of Heroes in the Iliad
- Descriptive writing – how Homer creates a vivid account

For Sparta

- Geography and location of Sparta and how that affected its development
- Lyncourgos' reforms – what they were and why / how they were intended to shape Sparta
- Structure of society – different classes / categories in Sparta
- Spartan government
- Education system / agoge – what it was, how it worked and why it was set up this way
- Life for men and women in Sparta
- Military
- Persian Wars (including Ionian Revolt)
- Peloponnesian Wars

English

Shakespeare

Students are exploring a Shakespeare play, studying either *The Merchant of Venice* or *Much Ado About Nothing*. The exam will consist of one extract question which students will need to consider critically using their knowledge of language and its effects. They should prepare a thorough knowledge of the key scenes given by their teacher and learn a range of quotations for use in their final exam. They should choose key quotations from the extract and use learnt quotations from elsewhere in the play, considering the theme presented in the question and presenting a strong literary argument. They should use the PQA structure to explore the effects of Shakespeare's choices closely and should link to key historical context using a critical academic register.

French

- Personal information
- Family
- Relationships
- Descriptions
- Internet
- Paris
- Travelling by Metro
- Hobbies
- Talking about films and books
- School
- Jobs
- Weather
- Grammar - Reflexive verbs, Perfect tense, Imperfect tense, Future tense

Geography

- Cold environments
- Hot Environments
- Climate change
- Emerging economies - India

These are the general topics that will be examined, but please note that more detailed guidance will be given closer to the exams.

German

Students should revise the topics below for the End of Year exam. Students can access the ZOOM German 2 textbook on Kerboodle (institution code: SO4) and all vocabulary lists on Quizlet:

<https://quizlet.com/MrsJavaid/folders/zoom-2/sets>

	Contexts	Grammar
Unit 0 Hallo!	<ul style="list-style-type: none"> • Describe your and other people's appearance and personality • Family relationships and helping at home • Talk about what you've done recently 	<ul style="list-style-type: none"> • Adjective endings (accusative, no article) • <i>weil</i> • Present tense • Perfect tense with <i>haben</i> and <i>sein</i>
Unit 1A Mein Tag	<ul style="list-style-type: none"> • Daily routine • Talk about what you did yesterday, yesterday evening and last weekend • Opinions of activities 	<ul style="list-style-type: none"> • Separable and reflexive verbs • Perfect tense with <i>haben</i> and <i>sein</i> • Separable verbs in the perfect tense • Imperfect tense (<i>war</i>)
Unit 1B Wir feiern!	<ul style="list-style-type: none"> • National holidays and festivals • Organise a party; say what guests can do at the party • Accept or decline an invitation; give excuses 	<ul style="list-style-type: none"> • Dates and endings • Modal verbs: <i>dürfen, können, müssen, sollen</i> and <i>wollen</i> • Imperfect tense (<i>ich wollte, ich hatte, es war, es gab</i>) and perfect tense • Question words
Unit 2A Die Medien	<ul style="list-style-type: none"> • TV viewing habits • Forms of media; compare old and new media • Favourite music, singers and bands • Film and film reviews • Reading habits 	<ul style="list-style-type: none"> • Possessive adjectives (<i>mein, dein, sein, ihr</i>) • Present tense and imperfect tense (<i>war, waren</i>) • <i>dieser/diese/dieses</i> and <i>welcher?/welche?/welches?</i> • Perfect tense and imperfect tense (<i>war, waren</i>)
Unit 2B Hobbys	<ul style="list-style-type: none"> • Talk about your favourite hobby and why you like it • Talk about what hobbies you do in different kinds of weather • Talk about what you will do next weekend • Other unusual hobbies 	<ul style="list-style-type: none"> • Present tense of regular and irregular verbs • Adjective endings (nominative and accusative with definite and indefinite article) • Word order with <i>wenn</i> • Future tense
Unit 3A Gesundes Leben	<ul style="list-style-type: none"> • Parts of the body • Talk about illness and injuries; say how long you have been ill and how it happened • Talk about what sports you do to keep fit, how often and why • Healthy eating and lifestyle 	<ul style="list-style-type: none"> • Possessive adjectives (<i>mein, dein, sein, ihr</i>) • Noun plurals • <i>seit</i> + present tense • Dative pronouns (<i>mir, dir</i>) • <i>um ... zu ...</i> (in order to ...) • The imperative (<i>du</i> and <i>Sie</i>) • Infinitive structures (<i>zu</i> + infinitive)

Unit 4A Die Umwelt	<ul style="list-style-type: none"> • Describe where you live; give your opinion of it • Ways to travel • Ways to be environmentally friendly • Environmental problems and solutions 	<ul style="list-style-type: none"> • <i>weil</i> + correct word order • Dative case (<i>mit</i> and <i>zu</i> + definite article) • Compound nouns • Comparatives and superlatives • Present, past and future tenses
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History

Please revise the big enquiry questions you have been studying since September 2021:

- Who shot JFK?
- Why is 1750-1900 seen as Britain's age of transformation?
- What are the controversies of World War I?
- Why is it important to remember the Holocaust?

Latin

All work covered to date in Cambridge Latin Course books 1 – 3. This will include but is not limited to:

- all vocabulary from the checklists at the end of the chapters
- tenses and persons of verbs (including irregular verbs): indicative present, imperfect, perfect, pluperfect; subjunctive imperfect and pluperfect.
- irregular verbs: *sum*, *possum*, *volo*, *nolo* *fero*, *eo*, *capio* (all forms)
- cases of nouns: nominative, accusative, genitive, dative of 1st, 2nd and 3rd declensions (including neuter nouns)
- adjectives and agreement with nouns
- participles – perfect passive, perfect active and present active
- gerundives
- imperatives (including the use of *noli* and *nolite*)
- uses of the subjunctive (eg. temporal clauses, purpose, indirect questions, indirect commands, etc)

You will be required to translate from Latin into English, to answer comprehension questions on a Latin passage (answers in English), and to answer grammar questions. You may also be required to give and explain English derivations from Latin words.

Maths

<input type="checkbox"/> Percentages - Simple Interest - % Increase and Decrease - Reverse % - Repeated % change	<input type="checkbox"/> Applications of Graphs - Step Graphs - Time Graphs - Exponential Growth graphs	<input type="checkbox"/> Decimal Numbers - Powers of 10 - Standard Form inc X and / - Upper and Lower Bounds	<input type="checkbox"/> Trigonometry - Finding unknown side - Finding unknown angle
<input type="checkbox"/> Algebra – Equations and Formula - Multiplying Brackets - Factorising - Expressions with several variables - Simplifying and Combining Algebraic Fractions	<input type="checkbox"/> Pythagoras - Using Pythagoras - Converse of Pythagoras	<input type="checkbox"/> Cylinders - Surface Area and Volume - Composite Shapes	<input type="checkbox"/> Indices & Surds - Indices – negative and fractional - Surds
<input type="checkbox"/> Polygons - Properties - Interior and Exterior Angles - Tessellations -	<input type="checkbox"/> Fractions - Fractions and Mixed Numbers – 4 operations - Algebraic Fractions – 4 operations	<input type="checkbox"/> Solving Equations Graphically - Recap $y = mx + c$ - $ax + by = c$ - Simultaneous Equations graphically - Solving quadratics and cubics graphically	<input type="checkbox"/> Basic Number - Problem Solving - Decimals $x /$ - Approximations - Factors, multiples, powers and roots - Primes, HCF, LCM - Negative Numbers

<input type="checkbox"/> Using Data - Scatter Graphs and Correlation - Two Way Tables - Estimating Mean from grouped data - Cumulative Frequency	<input type="checkbox"/> Quadratics - Expanding 2 brackets - More than 2 brackets - Factorising Quadratics - Difference of 2 squares	<input type="checkbox"/> Compound Measures - Speed - More compound units - Unit Costs Include Pressure = force/area	<input type="checkbox"/> Number and Sequences - Patterns in numbers - Sequences - Nth term linear - Nth term – quadratic
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Physics

Topic 1: Electricity – current, potential difference and resistance in series and parallel circuits

Topic 2: Waves – wave properties, sound waves and the ear, ultrasound, infrasound (seismic waves)

Topic 3: Energy - energy transfers, power and efficiency, energy resources and generating electricity

Topic 4: Optics- reflection, refraction, total internal reflection, ray diagrams, converging and diverging lenses

Topic 5: Moments – levers and gears

Spanish

- Free time
- Food/drink
- Daily routine (reflexive verbs)
- Holidays
- TV programmes/films
- Sport
- Technology

You will need to know the present tense, preterite tense and immediate future along with appropriate time phrases for each. You will also need to know common stem-changing verbs in the present tense.