

YEAR 9 REVISION TOPICS 2019

BIOLOGY

B1 - Key Concepts in Biology

B2 - Cells and Control

B3 - Genetics (up to and including structure of DNA)

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 and balancing equations
- Writing formula, atmosphere and 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 You have a copy of the specification in your exercise books.

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

Roman Army and Iron Age Cultures

The Punic Wars

The pre-Marian Army

The Marian Army reforms and Post Marian Army structure

Caesar's conquest of Gaul

Iron Age Gaul and Britain

The limes including Hadrian's Wall

Life on the Roman frontiers, including Vindolanda tablets

War and Warfare

The Iliad including:

- Events and characters of the books read
- What makes a hero and who are the heroes in the Iliad?
- The gods and the role they play.
- Analysing literature for effect.

Sparta – all topics including:

- Education – how to make the perfect soldier
- Who were the Spartans?
- Spartan expansion
- Spartan men, women and classes

ENGLISH

Shakespeare

Y9 students will be examined on their studied Shakespearean play (either 'Much Ado about Nothing' or 'The Merchant of Venice'). The exam will be a closed-text exam and therefore, students will need to learn quotations from across the text which represent both key characters and themes (as advised by their teacher). The exam will be ONE essay which either requires the student to argue about a character's significance/change/role in the novel OR a thematic question and the theme's significance in the play. The exam question will be worded like the GCSE AQA Literature Paper 1, in order to help prepare students for next year. There will be no revision booklet offered to Y9 as the play and the notes made in their exercise book/on their iPads will form the basis of their revision.

50% of the students' end of year grade has already been attained through a GCSE Language assessment about text structure, and a persuasive writing assessment – the marks of these will be added to the overall mark of the exam paper to create the final grade.

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

- Rocks
- Hot Deserts
- Dubai and water issues
- India

Detailed revision lists will be given out closer to the exams

Y9 GERMAN

All work covered to date in this academic year. Topics tested are:

- weather
- the town
- holidays and day trips
- clothes
- food and drink
- daily routine

Grammar includes the present and the perfect tense, adjectival endings, word order, the use of the accusative and dative case, as well as modal verbs.

HISTORY

Please note there are a selection of topics in the exam to choose from. You will have covered enough to have a selection to choose from. Therefore, you may have not looked at all the sub-topics with your teacher. Focus on the parts that you have studied.

- Assassination of JFK
 - Event and Evidence
- The Development of the Royal Navy- from Sail to Steam
 - Nelson and the Napoleonic Navy
 - HMS Victory to HMS Warrior
- The Industrial Revolution
 - Why did Britain change so rapidly?
 - Key changes
 - Life in Industrial Britain
- World War One
 - Causes
 - Key Events
 - Consequences
- World War Two
 - Causes
 - Key Events
 - Consequences
- The Holocaust
 - Causes and the role of Adolf Hitler
 - Ghettos

- Anne Frank
- Other examples of Genocide
- How should the Twentieth Century be Remembered?

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
- Verbs: 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

Percentages <ul style="list-style-type: none"> • Simple Interest • % Increase and Decrease • Reverse % • Repeated % change 	Applications of Graphs <ul style="list-style-type: none"> • Step Graphs • Time Graphs • Exponential Growth graphs 	Decimal Numbers <ul style="list-style-type: none"> • Powers of 10 • Standard Form inc X and / • Upper and Lower Bounds 	Trigonometry <ul style="list-style-type: none"> • Finding unknown side • Finding unknown angle
Algebra – Equations and Formula <ul style="list-style-type: none"> • Multiplying Brackets • Factorising • Expressions with several variables • Equations with Fractions 	Pythagoras <ul style="list-style-type: none"> • Using Pythagoras • Converse of Pythagoras 	Cylinders <ul style="list-style-type: none"> • Surface Area and Volume • Composite Shapes 	Indices & Surds <ul style="list-style-type: none"> • Indices – negative and fractional • Surds
Polygons <ul style="list-style-type: none"> • Properties • Interior and Exterior Angles • Tessellations 	Fractions, Ration and Proportion <ul style="list-style-type: none"> • Fractions and Mixed Numbers – 4 operations • Algebraic Fractions – 4 operations • Percentage Increase / decrease • Percentage change 	Solving Equations Graphically <ul style="list-style-type: none"> • Recap $y = mx + c$ • $ax + by = c$ • Simultaneous Equations graphically • Solving quadratics and cubics graphically 	Basic Number <ul style="list-style-type: none"> • Problem Solving • Decimals x / • Approximations • Factors, multiples, powers and roots • Primes, HCF, LCM • Negative Numbers
Using Data <ul style="list-style-type: none"> • Scatter Graphs and Correlation • Two Way Tables • Estimating Mean from grouped data • Cumulative Frequency 	Quadratics <ul style="list-style-type: none"> • Expanding 2 brackets • More than 2 brackets • Factorising Quadratics • Difference of 2 squares 	Compound Measures <ul style="list-style-type: none"> • Speed • More compound units • Unit Costs • Include Pressure = force/area 	Number and Sequences <ul style="list-style-type: none"> • Patterns in numbers • Sequences • Nth term linear • Nth term – quadratic

PHYSICS

Topic 1: Current, voltage and resistance in series and parallel circuits

Topic 2: Sound waves, ultrasound and infrasound

Topic 3: Energy transfers, efficiency, power and energy resources

Topic 4: Refraction, lenses and ray diagrams

Topic 5: Moments, levers and gears

SPANISH

La ropa

- Items of clothing
- Adjectives and agreements

Tiempo libre

- Free time activities
- Likes and dislikes

La comida

- Food and drink
- Ordering in a restaurant

Mi Vida

- Daily routine
- Reflexive verbs

De viaje

- Modes of transport
- Comparatives / superlatives

Las vacaciones

- Preterite tense
- Countries
- Holiday activities

Las fiestas

- Spanish customs / festivals
- Imperfect tense

Nuestros Proyectos

- Jobs
- Future plans
- Simple and immediate future