The Rudheath Senior Academy

"Opening Children's Eyes to the Wonderful World of Possibility"

Year 11
PPE 2 Guidance
2024-25

Introduction

It is our aim to make the examination experience as stress free and successful as possible for all candidates.

Assessment is a key part of education as it helps students to demonstrate their learning, provide feedback on the errors they've been making and help provide opportunities to improve their performance with each assessment. It also helps teachers to guide their teaching to assist with student learning.

Sitting formal examinations also contributes to vital and relevant attributes that all students need to be successful in later life. Punctuality, resilience, independence, ambition and confidence.

As a school we will do everything we can to support your son/daughter through these stressful and busy times. Please do make contact with their subject teachers, form tutors and Mrs Rive if you need anything.

Please encourage your son/daughter to attend relevant period 6 sessions. Some students have been invited to attend core sessions, and they will have this on their Arbor calendar otherwise students are free to choose between core and options.
Monday is science, Wednesday is maths, Thursday is English, and Friday is humanities.

Course Information – Exam Boards

Subject	Qualification	Exam Board
English Language	GCSE	AQA
English Literature	GCSE	AQA
Mathematics	GCSE	Pearson
Art & Design	GCSE	AQA
Business Studies	GCSE	Pearson
Biology	GCSE	AQA
Chemistry	GCSE	AQA
Combined Science: Trilogy	GCSE	AQA
Design Technology	GCSE	AQA
Drama	GCSE	WJEC
Food preparation & Nutrition	GCSE	AQA
Geography	GCSE	AQA
Health & Social Care	BTEC	Pearson
History	GCSE	Pearson
Creative iMedia	Cambridge National	OCR
Music	GCSE	WJEC
Physics	GCSE	AQA
Spanish	GCSE	AQA
Sport	BTEC	Pearson

Pre-Public Examinations 2

	P1 and 2		P 3 and 4		P5
Mon 24th Feb	Science P1 9:00 – 10:15 Triple Science P1 9:00 – 10:45		Maths P1 11:20 – 12:50		
Tues 25th Feb	English Language 9:00 – 10:45		History P1 11:20 – 12:40		
Weds 26th Feb	Geography P1 9:00 – 10:30		DT 11:10 – 13:10		
Thurs 27th Feb	Science P2 9:00 – 10:15 Triple Science P2 9:00 – 10:45		Maths P2 11:20 – 12:50		
Fri 28th Feb	Food & Nutrition 9:00 – 10:45 Health & Social 9:00 – 11:00 Art – all day		Music 11:20 – 12:35 Art – all day		 Art – all day

	P1 and 2		P 3 and 4		P5
Mon 3rd March	English Literature 9:00 – 11:15				
Tues 4th March	History P2 9:00 – 10:50		Sport 12:10 – 13:10		
Weds 5th March	Maths P3 9:00 – 10:30		Geography P2 11:20 – 12:50		
Thurs 6th March	Science P3 9:00 – 10:15 Triple Science P3 9:00 – 10:45		Spanish Listening 11:30 – 12:05 Spanish Reading 12:10 – 12:55		
Fri 7th March	History P3 9:00 – 10:30		Business 11:10 – 12:55		

Pre-Public Examinations 2

Students will receive a personalised examination timetable with their seat numbers nearer to the start of the examinations.

Attendance and punctuality to these examinations is crucial.

These are very important because:

- They help students establish the routines of examinations
- They support teachers in identifying strengths and weaknesses in student's skills and knowledge so that schemes of learning can be adapted accordingly and interventions can be targeted
- Students will be provided their grades and a comprehensive question level analysis (QLA) so that they can plan their revision to fill gaps in skills and knowledge

Results will be issued 19th March and performance can be discussed at the **Performance Review Evening on 20th March.**

On the following pages you will find information regarding the JCQ guidelines for conduct in an examination. It is important that you read through this.

Examinations Expectation and Conduct

It is our aim to make the exam experience as stress free and successful as possible for all candidates. The exam boards set down strict criteria that must be followed for the conduct of examinations, and the Academy is required to follow them precisely:

- Full uniform must be worn by all students attending examinations.
- Pens must be BLACK ink or ballpoint. No correction pens allowed.
- Do not attempt to communicate with or distract other candidates.
- **Mobile phones, iPods, Watches (all types), MP3/4 players** (or any other type of electronic communication or storage device) **must not be brought into the examination room**. If a mobile phone (or any other type of electronic communication or storage device) or a wristwatch is found in your possession during an examination (even if it is turned off) it will be taken from you and a report made to the appropriate examination board. No exceptions can be made.

The penalties will vary according to the type of offence and whether it is a wristwatch or a mobile phone, iPod, MP3/4 player or any other type of electronic communication or storage device but can range from a loss of marks, disqualification from a unit(s), disqualification from a whole/all qualifications to being barred from examination entries for a set period of time.

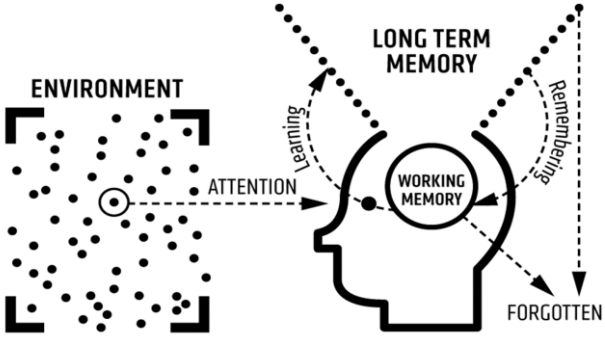
- Water brought into the exam room must be in a clear plastic bottle with all labels removed. Only water is permitted in the exam room – no other drinks ie. fizzy/juice drinks unless there is a medical reason.
- Do not draw graffiti or write offensive comments on examination papers – if you do the exam board may refuse to accept your paper.
- Listen carefully to instructions and notices read out by the invigilators.
- Candidates must stay in the exam room until the end of the examination. You are not allowed to leave early.
- At the end of the exam all work must be handed in – remember to cross out rough work.
- Question papers, answer booklets and additional paper must not be taken from the exam room.
- If the fire alarm sounds during an examination, the exam invigilators will tell you what to do. Do not panic. If you have to evacuate the room, you will be asked to leave in silence and in the order in which you are sitting. You will be escorted to a designated assembly point. Leave everything on your desk. You must not attempt to communicate with anyone else during the evacuation. When you return to the exam room do not start writing unit the invigilator tells you to. You will be allowed the full working time for the examination and a report will be sent to the awarding body detailing the incident.
- **Absence from Examinations**
- If you experience difficulties during the examination period (e.g. illness, injury, personal problems) please inform the school at the earliest possible point so we can help or advise you.
- Only in 'exceptional circumstances' are candidates allowed special consideration for absence from any part of an exam. It is essential that medical or other appropriate evidence is obtained on the day by the candidate/parent and given to the Examinations Officer without delay in all cases where an application can be made for special consideration.

Why is revision important?

Evidence that, on average, revision can add **five months' additional progress** to student learning.

Students need to be aware of what constitutes effective revision.
Effective revision will ensure that knowledge can be secure in their long-term memory.
The only way to guarantee this happens is through various forms of retrieval practice.

Cognitive science is the study of how people learn. This model explains how the working memory has a finite capacity- meaning it can become easily overloaded with information. The most effective means of revision is to retrieve information to store in your long-term memory. This is detailed below:



We encourage students to use the following 4 core revision strategies:

- Brain dumps Click here for a video guide
- Self-quizzing Click here for a video guide
- Flash cards Click here for a video guide
- Past papers – you can find these on the exam board websites or by asking your teachers for them

We also encourage students to complete a revision timetable (a calendar).
Here are some tips for doing this:

1. **Start early** – give yourself enough time to revise so you can avoid cramming
2. **Set realistic goals** – make sure your goals are specific, measurable and achievable
3. **Plan for breaks** – regular breaks help you stay alert and focused
4. **Consider your concentration** – think about when you concentrate best and schedule more difficult topics for this time
5. **Allocate time for each topic** – consider how much time you need for each topic
6. **Track your progress** – keep track of what you have revised
7. **Eat well** – a healthy diet can help you feel more energetic and focused
8. **Exercise** – regular exercise can help you stay focused and sleep better
9. **Be flexible** – it's ok if you don't stick to your timetable perfectly

You will find revision lists in this booklet to help you plan your revision to ensure you cover everything.

Year 11 English Language

Length of assessment	1hr 45 mins
Title of assessment	Paper 1: Explorations in Creative Reading and Writing

Success Criteria

AO1: identify and interpret explicit and implicit information and ideas select and synthesise evidence from different texts

AO2: Explain, comment on and analyse how writers use language and structure to achieve effects and influence readers, using relevant subject terminology to support their views

AO3: Compare writers' ideas and perspectives, as well as how these are conveyed, across two or more texts

AO4: Evaluate texts critically and support this with appropriate textual references

AO5: Communicate clearly, effectively and imaginatively, selecting and adapting tone, style and register for different forms, purposes and audiences. Organise information and ideas, using structural and grammatical features to support coherence and cohesion of texts

AO6: Candidates must use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation.

Section A Reading:

5 minutes reading and annotating the extract

Q1: List four pieces of specific information from the text
5 minutes

Q2: Comment on the effect of language in a section of the extract
10 minutes

Q3: Comment on the effect of structure
10 minutes

Q4: Explain why you agree with the given statement about the text
25 minutes

Section B Writing:

Choose from either a narrative or a description based on the image

- at least one page of writing
- range of language features for effect
- range of punctuation
- ambitious vocabulary
- cyclical structure
- varied paragraph lengths for effect
- sensory description

Resources required to revise

Seneca

Practise papers AQA | GCSE | English Language | Assessment resources

Padlet link with a range of resources from videos, past papers, flash cards etc
https://padlet.com/glycett/gcse-english-revision-l8ekhozmr8b8o0ze

Year 11 English Literature

Length of assessment	2hr 15mins
Title of assessment	Paper 2: Modern Text and Poetry

Success Criteria

Literal and inferential comprehension: understanding a word, phrase or sentence in context; exploring aspects of plot, characterisation, events and settings; distinguishing between what is stated explicitly and what is implied; explaining motivation, sequence of events, and the relationship between actions or events

Critical reading: identifying the theme and distinguishing between themes; supporting a point of view by referring to evidence in the text; recognising the possibility of and evaluating different responses to a text; using understanding of writers' social, historical and cultural contexts to inform evaluation; making an informed personal response that derives from analysis and evaluation of the text

Evaluation of a writer's choice of vocabulary, grammatical and structural features: analysing and evaluating how language, structure, form and presentation contribute to quality and impact; using linguistic and literary terminology for such evaluation

Comparing texts: comparing and contrasting texts studied, referring where relevant to theme, characterisation, context (where known), style and literary quality; comparing two texts critically with respect to the above

Section A Modern texts:
Students will answer one essay question from a choice of two on *An Inspector Calls*

Section B Poetry:
Students will answer one comparative question on one named poem printed on the paper and one other poem from the *Power and Conflict* poetry anthology cluster

Section C Unseen poetry:
Students will answer one question on one unseen poem and one question comparing this poem with a second unseen poem.

Resources required to revise

Seneca
Flash cards- key quotes on the front and details on the back
Revision resources in the back of your paper poetry booklets
Stacey Raey on YouTube and Instagram (higher-level)
Mr Bruff on YouTube
Practice papers AQA | GCSE | English Literature | Assessment resources
Padlet link with a range of resources from videos, past papers, flash cards etc
https://padlet.com/glycett/gcse-english-revision-l8ekhozmr8b8o0ze

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Foundation Paper 1 (Non-Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Converting between fractions, decimals and percentages U888
- Special sequences U680
- Converting units of length, mass and capacity U388
- Finding the lowest common multiple (LCM) U751
- Adding and subtracting integers U417
- Multiplying and dividing with place value, Adding and subtracting integers U735, U417
- Estimating and measuring U102
- Understanding, measuring and drawing angles U447
- Reading and plotting coordinates U789
- Calculating midpoints U933
- Drawing bar charts U363 Interpreting bar charts U557
- Converting between ratios, fractions and percentages U176
- Writing and simplifying ratios U687
- Reflection U799
- Plotting horizontal, vertical and diagonal lines M797
- Interpreting frequency tables and two-way tables U981
- Using the correct order of operations U976
- Function machines with numbers M175
- Finding the volume of cubes and cuboids U786, surface area of cubes and cuboids U929
- Factorising into one bracket U365
- Solving equations with two or more steps U325
- Constructing and solving linear simultaneous equations U137
- Sharing amounts in a given ratio U577
- Using a written method to divide with decimals U868
- Mutually exclusive events, Expected results from repeated experiments U683, U166
- Expected results from repeated experiments U166
- Adding and subtracting mixed numbers U793
- Dividing with mixed numbers U538
- Angles on parallel lines, Angles in triangles U826, U628
- Estimating calculations, Calculating with speed U225, U151
- Angles in polygons, Constructing and solving quadratic equations U427, U150
- Using and finding equations of linear real-life graphs U862
- Changing the subjects of formulae with two or more steps U181
- Factorising to solve quadratic equations of the form x^2+bx+c=0 U228

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

www.corbettmaths.com

www.mathsgenie.co.uk

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Foundation Paper 2 (Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Converting between fractions, decimals and percentages U888
- Reading, converting and calculating with time U902
- Understanding and ordering decimals U435
- Line and shape properties U121
- Ordering negative numbers U947
- Using equivalent ratios to find unknown amounts U753
- Calculating the mean U291
- Calculating the range U526
- Writing probabilities as fractions U408
- Calculating with roots and powers U851
- Dividing numbers into equal groups M462
- Writing and simplifying ratios U687
- Finding the area and perimeter of simple shapes U993
- Using algebraic notation U613
- Simplifying expressions by collecting like terms U105
- Finding percentages of amounts with a calculator U349
- Angles on a line and about a point, Angles in triangles U390, U628
- Interpreting distance-time graphs U914
- Plotting distance-time graphs U403
- Drawing and interpreting scale diagrams U257
- Writing probabilities as fractions, Ordering fractions U408, U746
- Percentage change with a calculator U671
- Finding original values in percentage calculations U286
- Enlargement by a positive scale factor U519
- Factorising into one bracket U365
- Reading and drawing inequalities on number lines U509
- Using a calculator U926
- Interpreting scatter graphs U277
- Using lines of best fit U128
- Currency conversion U610
- Using set notation, Venn diagrams with set notation U296, U748
- Plotting graphs of quadratic functions U989
- Finding the percentage an amount has been changed by U278
- Constructing and solving equations, Applying Pythagoras' theorem in 2D U599, U828
- Multiplying and dividing numbers in standard form U264
- Finding the volume of cylinders, Calculating with density U915, U910

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

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www.mathsgenie.co.uk

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Foundation Paper 3 (Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Understanding and ordering integers U600
- Finding fractions of amounts with a calculator U916
- Finding factors and using divisibility tests U211
- Ordering negative numbers U947
- Using a calculator U926
- Simplifying expressions by collecting like terms, Solving equations with one step U105,U755
- Solving equations with one step U755
- Line and shape properties U121
- Using a calculator U926
- Finding fractions of amounts, Finding percentages of amounts U916,U349
- Reading, converting and calculating with time U902
- Using and finding equations of linear real-life graphs U862
- Using algebraic notation U613
- Finding the volume of cubes and cuboids U786
- Calculating with rates U256
- Finding averages from frequency tables U569
- Prime factor decomposition U739
- Finding the highest common factor (HCF) U529
- Drawing and interpreting frequency polygons U840
- Using standard form with positive indices U330
- Using standard form with negative indices U534
- Constructing bisectors of angles U787
- Tree diagrams for independent events U558
- Share amounts in a ratio, Find the percentage an amount has been changed by U577,U278
- Interpreting stem-and-leaf diagrams U909
- Finding error intervals for truncated numbers U301
- Finding unknown sides in right-angled triangles U283
- Simplifying expressions using index laws U662
- Compound interest calculations U332
- Finding the equations of straight line graphs U315

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

www.corbettmaths.com

www.mathsgenie.co.uk

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Higher Paper 1 (Non-Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Using a written method to divide with decimals U868
- Mutually exclusive events, Expected results from repeated experiments U683, U166
- Expected results from repeated experiments U166
- Adding and subtracting mixed numbers U793
- Dividing with mixed numbers U538
- Angles on parallel lines, Angles in triangles U826, U628
- Estimating calculations, Calculating with speed U225, U151
- Estimating calculations U225
- Angles in polygons, Constructing and solving quadratic equations U427, U150
- Using and finding equations of linear real-life graphs U862
- Calculating with pressure U527
- Interpreting cumulative frequency graphs, Drawing box plots U642, U879
- Interpreting cumulative frequency graphs U642
- Indices of the form 1/a U985
- Indices of the form a/b U772
- Factorising quadratic expressions of the form x^2+bx+c U178
- Factorising the difference of two squares U963
- Factorising quadratic expressions of the form ax^2+bx+c U858
- Finding the surface area and volume of similar shapes U110
- Volume of cuboids, Expand triple brackets, Factorise to solve quadratic equations U786, U606, U228
- The sine rule, Using the exact values of trigonometric ratios (Higher) U952, U319
- Solving geometric problems using vectors U781
- Rationalising denominators containing a single term U707
- Rationalising denominators containing two terms U281
- Alternate segment theorem, Angles subtended at the centre or circumference U130, U459
- Finding inverse functions U996
- Substituting into composite functions U895
- Tree diagrams for dependent events U729
- Equations of circles and tangents U567

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

www.corbettmaths.com

www.mathsgenie.co.uk

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Higher Paper 2 (Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Using a calculator U926
- Interpreting scatter graphs U277
- Using lines of best fit U128
- Currency conversion U610
- Using set notation, Venn diagrams with set notation U296, U748
- Plotting graphs of quadratic functions U989
- Finding the percentage an amount has been changed by U278
- Constructing and solving equations, Applying Pythagoras' theorem in 2D U599, U828
- Multiplying and dividing numbers in standard form U264
- Angles in polygons U427
- Solving simultaneous equations using elimination U760
- Enlargement by a positive or negative scale factor U134
- Finding the volume of cylinders and cubes, Calculating with density U915, U786, U910
- Interpreting direct proportion equations U640
- Constructing direct proportion equations U407
- Graphs of direct and inverse proportion U238
- Using the product rule for counting U369
- Position-to-term rules for quadratic sequences U206
- Using recurrence relations U171
- Drawing histograms with unequal class widths, Interpreting histograms U814, U983
- Adding and subtracting algebraic fractions U685
- Geometric proofs with congruence and similarity U887
- Finding bounds for calculations U587
- Trigonometry in 3D shapes, Using Pythagoras' theorem in 3D U170, U541
- Perpendicular lines, Factorising to solve quadratics of the form ax^2+bx+c=0 U898, U960
- Tree diagrams for independent events U558

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

www.corbettmaths.com

www.mathsgenie.co.uk

Year 11 Subject Mathematics

Length of assessment	90 minutes
Title of assessment	Edexcel Mathematics Higher Paper 3 (Calculator)

Success Criteria

The exams will measure how students have achieved the following assessment objectives.

AO1 Use and apply standard techniques

AO2 Reason, interpret and communicate mathematically

AO3 Solve problems within mathematics and in other contexts

The available marks for each question are shown next to the answer line and students should ensure they show all calculations and processes to secure as many marks as possible are awarded.

The paper progresses in difficulty throughout and contains a range of single and multi mark questions typically 1-4 marks for each question.

To be successful revise the content listed using the Sparx codes alongside your exercise book and revision guides.

- Drawing and interpreting frequency polygons U840
- Using standard form with positive indices U330
- Using standard form with negative indices U534
- Constructing bisectors of angles U787
- Tree diagrams for independent events U558
- Share amounts in a ratio, Find the percentage an amount has been changed by U577,U278
- Interpreting stem-and-leaf diagrams U909
- Finding error intervals for truncated numbers U301
- Finding unknown sides in right-angled triangles U283
- Simplifying expressions using index laws U662
- Finding original values in percentage calculations U286
- Finding the arc length of sectors U221
- Compound interest calculations U332
- Growth and decay U988
- Finding the area of trapeziums, Finding unknown sides in similar shapes U265,U578
- Converting recurring decimals to fractions U689
- Changing the subject when the subject appears more than once U191
- Equations of parallel and perpendicular lines U898
- The cosine rule, The area rule U591,U592
- Capture-recapture U328
- Using Pythagoras' theorem in 2D, Finding the surface area of cones U385,U523
- Solving simultaneous equations involving quadratics U547
- Reflecting graphs U487
- Translating graphs U598
- Distances from velocity-time graphs, Estimate areas under non-linear graphs U611,U882
- Finding the turning point of a quadratic graph by completing the square U769

Resources required to revise

Revision guides exercise books, past paper questions. Revision timetable

www.sparxmaths.com

www.corbettmaths.com

www.mathsgenie.co.uk

Year 11 Subject Biology

Length of assessment	75 minutes (Trilogy) / 105 minutes (Triple)
Title of assessment	GCSE Trilogy: Combined science Biology Paper 2 GCSE Triple Biology Paper 2

Success Criteria

This paper will contain a combination of multiple choice, structured, closed short answer, and open response questions.

Marks for each question range from 1-6.

The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.
- AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.
- AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

Homeostasis and Response Topics

- ❑ Structure and function of the human nervous system
- ❑ The brain (Triple Only)
- ❑ The eye (Triple Only)
- ❑ Body temperature control (Triple Only)
- ❑ Hormonal coordination in humans
- ❑ Maintaining water and nitrogen balance in the body (Triple Only)
- ❑ Hormones in human reproduction
- ❑ Contraception
- ❑ Infertility (HT Only)
- ❑ Negative Feedback (HT Only)
- ❑ Plant hormones (Triple Only)

Inheritance, Variation and Evolution Topics

- ❑ Sexual and asexual reproduction
- ❑ Meiosis cell division
- ❑ DNA and genome definition
- ❑ DNA Structure (Triple Only)
- ❑ Genetic inheritance
- ❑ Inherited disorders
- ❑ Sex determination
- ❑ Variation and evolution
- ❑ Selective breeding
- ❑ Genetic engineering
- ❑ Cloning (Triple Only)
- ❑ Understanding genetics (Triple Only)
- ❑ Theory of evolution (Triple only)
- ❑ Speciation (Triple only)
- ❑ Fossils
- ❑ Extinction
- ❑ Resistant bacteria
- ❑ Living organism classification

Ecology Topics

- ❑ Communities within ecosystems
- ❑ Changes in ecosystems
- ❑ Ecosystem adaptations
- ❑ Organisation within ecosystems
- ❑ How materials are cycled
- ❑ Decomposition (Triple Only)
- ❑ Impact of environmental change (Triple Only)
- ❑ Biodiversity
- ❑ Waste management
- ❑ Land use
- ❑ Deforestation
- ❑ Global warming
- ❑ Trophic Levels (Triple Only)
- ❑ Maintaining biodiversity
- ❑ Pyramids of biomass
- ❑ Food Production (Triple Only)

Resources required to revise

Revision guides, knowledge organiser books, Seneca quizzes, Revision booklets, past paper questions. Revision timetable.

https://continuityoak.org.uk/lessons

https://www.bbc.co.uk/bitesize/examspecs/z8r997h AQA Combined science

https://www.bbc.co.uk/bitesize/subjects/z9ddmp3 Biology Triple

https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/

Year 11 Subject Chemistry

Length of assessment	75 minutes (Trilogy) / 105 minutes (Triple)
Title of assessment	GCSE Trilogy: Combined science Chemistry Paper 2 GCSE Triple Chemistry Paper 2

Success Criteria

This paper will contain a combination of multiple choice, structured, closed short answer, and open response questions.

Marks for each question range from 1-6.

The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.
- AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.
- AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

The Rate and Extent of Chemical Change Topics

- ❑ Calculating rates of reactions
- ❑ Factors which affect the rates of chemical reactions
- ❑ Collision theory and activation energy
- ❑ Catalysts
- ❑ Reversible reactions and dynamic equilibrium
- ❑ The effect of changing conditions on equilibrium (HT only)

Organic Chemistry Topics

- ❑ Crude oil, hydrocarbons and alkanes
- ❑ Fractional distillation
- ❑ Properties of hydrocarbons
- ❑ Cracking and alkenes
- ❑ Structure and formulae of alkenes
- ❑ Reactions of alkenes (Triple Only)
- ❑ Alcohols (Triple Only)
- ❑ Carboxylic acids
- ❑ Synthetic and naturally occurring polymers (Triple Only)

Chemical Analysis Topics

- ❑ Pure substances
- ❑ Formulations
- ❑ Chromatography
- ❑ Identification of common gases
- ❑ Identification of ions (Triple Only)

Chemistry of the Atmosphere Topics

- ❑ The composition and evolution of the Earth's atmosphere
- ❑ Greenhouse gases and global climate change
- ❑ Carbon footprint
- ❑ Atmospheric pollutants

Using Resources

- ❑ Sustainable development
- ❑ Potable water
- ❑ Wastewater treatment
- ❑ Life cycle assessment
- ❑ Recycling
- ❑ Using materials (Triple Only)
- ❑ The Haber process (Triple Only)

Resources required to revise

Revision guides, knowledge organiser books, Seneca quizzes, Revision booklets, past paper questions. Revision timetable.

https://continuityoak.org.uk/lessons

https://www.bbc.co.uk/bitesize/examspecs/z8r997h AQA Combined science

https://www.bbc.co.uk/bitesize/subjects/zs6hvcw Chemistry Triple

https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/

Year 11 Subject Physics

Length of assessment	75 minutes (Trilogy) / 105 minutes (Triple)
Title of assessment	GCSE Trilogy: Combined science Physics Paper 2 GCSE Triple Physics Paper 2

Success Criteria

This paper will contain a combination of multiple choice, structured, closed short answer, and open response questions.

Marks for each question range from 1-6.

The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.
- AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.
- AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

Forces Topics

- ❑ Black body radiation (Triple Only)
- ❑ Contact and non-contact forces
- ❑ Describing motion
- ❑ Forces, acceleration and Newton's Laws
- ❑ Forces and elasticity
- ❑ Gravity
- ❑ EM Waves
- ❑ Lenses (Triple Only)
- ❑ Moments, levers and gears (Triple Only)
- ❑ Momentum (HT Only)
- ❑ Properties of waves
- ❑ Pressure in fluids (Triple Only)
- ❑ Reflection and refraction (Triple Only)
- ❑ Scalar and vector quantities
- ❑ Sound and ultrasound (Triple Only)
- ❑ Transverse and longitudinal waves
- ❑ Waves Topics

Magnetism and Electromagnetism

- ❑ Electromagnetic induction
- ❑ Electromagnets
- ❑ Magnetic fields
- ❑ Loudspeakers (Triple Only)
- ❑ Transformers (Triple Only)

Space Physics (Triple Only)

- ❑ The expanding Universe
- ❑ The life cycle of a star
- ❑ The Solar System
- ❑ Satellites

Resources required to revise

Revision guides, knowledge organiser books, Seneca quizzes, Revision booklets, past paper questions. Revision timetable.

https://continuityoak.org.uk/lessons

https://www.bbc.co.uk/bitesize/examspecs/z8r997h AQA Combined science

https://www.bbc.co.uk/bitesize/subjects/zpm6fg8 Physics Triple

https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/

Year 11 History

Length of assessment	Paper 1 1hour 20 mins Paper 2 1 hour 50 mins Paper 3 1 hour 30 mins
Success Criteria Students will be assessed on the content they have covered since September 2023 Students will be assessed on Assessment Objectives 1,2,3 &4 AO1: Demonstrate knowledge and understanding of the key features and characteristics of the periods studied. AO2: Explain and analyse historical events and periods studied using second-order historical concepts eg causation, change and continuity. AO3: Analyse, evaluate and use sources (contemporary to the period) to make judgements, in the context of historical events studied. AO4: Analyse, evaluate and make judgements about interpretations (including how and why interpretations may differ) in the context of historical events studied. The assessment will consist of a range questions 2/4/8/12 & 16 mark questions	**Paper 1: Medicine in Britain c1250-present and the British sector of the Western Front 1914-18** • WW1 – Trench systems • Gas Attacks • Problems of operating on the Western front • Black Death 1348 & Great Plague 1665 • Treatment of illness in the 20th Century • Progress in Renaissance medicine • Breakthroughs in disease prevention between 1700-1900 **Paper 2: Early Elizabethan England** • Elizabethan Education • Role of the Church in Elizabethan Society • Defeat of the Spanish Armada • Challenges to the Religious Settlement • Failure of the colonisation of Virginia **Paper 2: Superpower relations and the Cold War** • Yalta and Potsdam Conferences • Berlin Airlift • Formation of NATO • Marshall Plan • Truman Doctrine **Paper 3 Weimar and Nazi Germany** • Political and Economic instability in Weimar Germany 1918-23 • Hitlers Rise to Dictator 1933-34 • How did the Nazis control the German People 1933-39

Resources required to revise

Scan the QR code for all revision resources Including textbooks, revision guides and exam walk throughs.

Year 11 Geography

Length of assessment	Paper 1 90mins Paper 2 90mins
Title of assessment	PPE2
Success Criteria Students will be assessed on the content they have covered since September 2023. Students will be assessed on Assessment Objectives 1,2,3 & 4 AO1: Demonstrate knowledge of locations, places, processes, environments and different scales. AO2: Demonstrate geographical understanding of: concepts and how they are used in relation to places, environments and processes; the interrelationships between places, environments and processes. AO3: Apply knowledge and understanding to interpret, analyse and evaluate geographical information and issues to make judgements. AO4: Select, adapt and use a variety of skills and techniques to investigate questions and issues and communicate findings. The number of marks for each question will be shown on the exam paper.	**Paper 1 Living with the Physical Environment** The Challenge of Natural Hazards: • Earthquakes • Volcanoes • Climate Change The living world: • Biodiversity • Hot Deserts • Cold Environments • Deforestation Physical Landscapes in the UK • Coasts • Coastal formations • Hard and Soft engineering • Rivers • How Rivers shape the land • Impacts of flood management **Paper 2 Challenges in the Human Environment** Urban issues and challenges • Urban growth The changing economic world • Development • Trading relations • Reducing development gaps The challenge of resource management • Water management • Carbon footprints • Food security

Resources required to revise

All pupils should use their green CGP revision guides

Every student has access to SENECA learning and can independently complete the set tasks linked to the topics above.

Year 11 Spanish

Length of assessment	35 mins listening, 45 mins Reading
Title of assessment	Year 11 Spanish Assessment Reading and Listening

Success Criteria

To be successful revise the content listed using your exercise book, revision guides and Seneca. You must ensure you answer every question to gain each mark available.

Listening

Section A – questions in English, to be answered in English or non-verbally
Section B – questions in Spanish, to be answered in Spanish or non-verbally

Reading

Section A – questions in English, to be answered in English or non-verbally
Section B – questions in Spanish, to be answered in Spanish or non-verbally
Section C – translation from Spanish into English

Theme 1: Identity and culture

- Topic 1: Me, my family and friends
- Relationships with family and friends
- Marriage/partnership
- Topic 2: Technology in everyday life, Social media
- Mobile technology
- Topic 3: Free-time activities: Music, Cinema and TV,
- Food and eating out, Sport
- Topic 4: Customs and festivals in Spanish-speaking countries/communities

Theme 2: Local, national, international and global areas of interest

- Topic 1: Home, town, neighbourhood and region
- Topic 2: Social issues: Charity/voluntary work
- Healthy/unhealthy living
- Topic 3: Global issues: The environment,
- Poverty/homelessness
- Topic 4: Travel and tourism

Theme 3: Current and future study and employment

- Topic 1: My studies
- Topic 2: Life at school/college
- Topic 3: Education post-16
- Topic 4: Jobs, career choices and ambitions

Resources required to revise

- Recap core vocabulary and grammar on the PowerPoints (TEAMS)
- Knowledge Organisers for both topics
- Exercise books with core vocabulary
- Seneca
- BBC Bitesize – Spanish AQA https://www.bbc.co.uk/bitesize/examspecs/z4yyjhv

Year 11 PPE2 Subject Business Studies

Length of assessment	Paper 1 (Theme 1) – 105 minutes Paper 2 (Theme 2) – 105 minutes
Title of assessment	Theme 1: Investigating small business Theme 2: Investigating small business
Success Criteria To be successful revise the content using the resources listed below The number of marks for each question will be shown on the exam paper, you must ensure you show full working and detail to each response to gain the marks available.	**(Insert Key knowledge/ skills / topics)** **Content overview (Paper 1/Theme 1)** • Topic 1.1 Enterprise and entrepreneurship • Topic 1.2 Spotting a business opportunity • Topic 1.3 Putting a business idea into practice • Topic 1.4 Making the business effective • Topic 1.5 Understanding external influences on business The paper will consist of calculations, multiple-choice, short-answer and extended-writing questions. Questions in Sections B and C will be based on business contexts given in the paper. Calculators may be used in the examination. **Content overview (Paper 2/Theme 2)** • Topic 2.1 Growing the business. • Topic 2.2 Making marketing decisions. • Topic 2.3 Making operational decisions. • Topic 2.4 Making financial decisions. • Topic 2.5 Making human resource decisions. The paper will consist of calculations, multiple–choice, short–answer and extended–writing questions. Questions in Sections B and C will be based on business contexts given in a Source Booklet. Calculators may be used in the examination

Resources required to revision

- Using Seneca to revise the key knowledge for each area.
- Practice exam papers and individual questions (provided by your teacher)
- Create revision cards with key vocabulary and facts- use these to quiz yourself on the knowledge.
- Revision guides, work-books and exercise books.

Year 11 PPE2 Creative iMedia

Length of assessment	Exam Paper: 90 minutes
Title of assessment	Creative iMedia in the media industry

Success Criteria

To be successful revise the content using the resources listed below

The number of marks for each question will be shown on the exam paper, you must ensure you show full working and detail to each response to gain the marks available.

The exam has two sections:
Section A has 10 marks. This will have between 7 and 10 closed response, multiple choice and short answer, questions will sample content from all topic areas, with at least one question relating to each area.

Section B has 60 marks This will have context-based questions. Students will be presented with a short scenario which develops through the paper. It will include closed response, short answer questions and three extended response questions. Content will be sampled from all topic areas, with at least one question relating to each area.

(Insert Key knowledge/ skills / topics)

Content overview (Paper 1/Theme 1)

Topic Area 1: The media industry

- 1.1 Media industry sectors and products
- 1.2 Job roles in the media industry

Topic Area 2: Factors influencing product design

- 2.1 How style, content and layout are linked to the purpose
- 2.2 Client requirements and how they are defined
- 2.3 Audience demographics and segmentation
- 2.4 Research methods, sources and types of data
- 2.5 Media codes used to convey meaning, create impact and/or engage audiences

Topic Area 3: Pre-production planning

- 3.1 Work planning
- 3.2 Documents used to support ideas generation
- 3.3 Documents used to design and plan media products

3.4 The legal issues that affect media

- 3.4.1 Legal considerations to protect individuals
- 3.4.2 Intellectual property rights
- 3.4.3 Regulation, certification, and classification
- 3.4.4 Health and safety

Topic Area 4: Distribution considerations

- 4.1 Distribution platforms and media to reach audiences

4.2 Properties and formats of media files

- 4.2.1 Image Files
- 4.2.2 Audio Files
- 4.2.3 Moving Image Files
- 4.2.4 File compression

Resources required to revision

- Using Seneca to revise the key knowledge for each area.
- Practice exam papers and individual questions (provided by your teacher)
- Create revision cards with key vocabulary and facts- use these to quiz yourself on the knowledge.
- Revision guides, work-books and exercise books.

Year 11 Music

Length of assessment	Component 3 40% (Appraising Exam) - 1h 15mins
Title of assessment	Performance, Composition and Appraising
Success Criteria **Component 3 (Appraising Exam)** The listening examination is out of 96 marks and it will develop your aural and analytical skills and enhance your understanding of music history and theory. It is based on four Areas of Study, with two set works. You will learn how to identify features of music from a variety of genres which will also develop your own composition skills.	• *Area of study 1: Musical Forms and Devices* Forms and devices are of fundamental importance in musical composition, and many of the common musical forms and devices used by composers today have their origin in the Western Classical Tradition. The music of the Baroque, Classical and Romantic eras provides the context for a study of binary, ternary, minuet and trio rondo, variation and strophic forms. Learners are encouraged to engage with a variety of music from the prescribed eras, through a range of performing, composing and appraising activities. They are also encouraged to make links between music they listen to, pieces they perform and their own compositions, as well as music by composers from the twentieth and twenty-first centuries who use these forms and devices. • *Area of study 2: Music for Ensemble* Music for ensemble forms the basis for a study of texture and sonority. Through a study of diverse musical styles composed for ensemble, such as jazz and blues, musical theatre and chamber music, learners will consider how music is composed for small groups of instruments and voices. Learners will also consider how texture is manipulated and they are encouraged to use small instrumental/vocal groupings in their own music. Learners are required to perform as part of an ensemble, and through this to actively engage with ensemble music, understanding the relationship between performers on the stage and the audience. • *Area of study 3: Film Music* The film industry is of considerable commercial and cultural interest in both the UK and abroad. There are many areas of specialism for musicians within this industry such as composer, orchestrator, arranger, performer, music editor, producer and more. A film composer scores music to accompany a motion picture for film or television. This includes dramatic underscore and thematic music as well as popular songwriting. Through this area of study learners are encouraged to consider how music for film is created, developed and performed, and the impact this has on the audience. Learners will have the opportunity to compose and perform film music and are encouraged to use musical technology to create mood and atmosphere through engaging with the story of the film. • *Area of study 4: Popular Music* Popular music is a wide-ranging and diverse art form encompassing several distinct genres. The popular music industry offers a wide range of opportunities for both composers and performers, including singer, song-writer, music producer, arranger and more. Through this area of study learners are encouraged to explore the musical idioms associated with a variety of popular music, and they will have the opportunity to perform popular music as well as compose music associated with a popular music genre. Learners are also encouraged to use music technology, understanding the impact this has on the way music is developed and performed in popular music.

Resources required to revise
Revision booklet provided by Music dept.
Exercise Books
Teams Knowledge Organisers
Eduqas GCSE Music Revision Guide

Year 11 AQA GCSE Food Preparation and Nutrition

Length of assessment	1 . 45 Hours
Title of assessment	GCSE Food Technology UNIT 1 Written Paper

Success Criteria

This paper will contain a combination of multiple choice, structured, closed short answer, and open response questions.

Marks for each question range from 1-12

Food preparation skills – these are intended to be integrated into the five sections:

Nutrition – Healthy eating, balanced diet, eatwell guide, nutrients, minerals, vitamins A B C D E

Food Science – Coagulation, dextrinization, gelatinization, shortening, protein denaturization, plasticity.

Safety – Using the 4C's in the preparation of food, key temperatures, temperature probe, cross contamination.

Food Choice – Different age groups and needs, dietary needs, medical conditions, allergies and tolerances, religion.

Provence – Where does our food come from, food miles.

- Yellow chopping board
- Vitamins in citrus fruit
- Key temperatures
- Enzymic browning
- Listeria
- Recommended amount of fat
- BMR
- Vitamin K
- Fairtrade
- Polysaccharide
- Vegetarian and vegan diet
- Controlled conditions for sensory testing
- Cheesemaking
- Moulds in cheese production
- Seasonal foods – advantages and disadvantages
- Food and packaging - concerns about waste
- Gluten – formation and function in making bread
- Problems when making bread
- Emulsification
- Key temperatures and chicken

Year 11 AQA GCSE Design and Technology

Length of assessment	2 Hours (Year 11 - 2hours)
Title of assessment	GCSE DESIGN AND TECHNOLOGY UNIT 1 Written Paper

Success Criteria

This paper will contain a combination of multiple choice, structured, closed short answer, and open response questions.

Marks for each question range from 1-6.

The exams will measure how students have achieved the following assessment objectives.

- **Section A – Core technical principles (16 marks). A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.**
- **Section B – Specialist technical principles (22 marks) Several short answer questions (1-4 marks) and one extended response to assess a more in depth knowledge of technical principles.**
- **Section C – Designing and making principles (15 marks) A mixture of short answers and extended response questions.**

3.1 Core Technical Principles

- ❑ **Input and output systems**
- ❑ **Forces and stresses**
- ❑ **Material protective coatings**
- ❑ **Manufacturing stock control**
- ❑ **Smart materials**
- ❑ **Materials and their working properties.**
- ❑ **Manufactured boards**
- ❑ **Designing for a limited life span**
- ❑ **Thermoset and Thermo materials and their properties**
- ❑ **Movement of a lever**
- ❑ **Packaging materials**
- ❑ **Renewable energy sources Ecological and social footprints**

3.2 Specialist Technical Principles

- ❑ **Stock forms, types and sizes**
- ❑ **Templates and Jigs**
- ❑ **Using and working with materials.**
- ❑ **Scales of production**
- ❑ **Specialist techniques and processes.**
- ❑ **Surface treatment and finishes.**
- ❑ **Production methods**

3.3 Designing and making principles

- ❑ **Investigation primary and secondary.**
- ❑ The work of other designers.
- ❑ Communication of ideas
- ❑ **Analysing and evaluating products for use externally**
- ❑ **Arthrometric and Ergonomics.**
- ❑ **Prototype development**
- ❑ **Specialist tools and equipment.**
- ❑ **Exploded isometric drawings**
- ❑ **Where and why exploded isometric drawings are used**
- ❑ **Sketching**
- ❑ **CAD / CAM /CAT**
- ❑ **Datum points**
- ❑ **3D printing**
- ❑ **Evaluation of prototypes**

Resources required to revise

ENGINEERING - DESIGN AND TECHNOLOGY (technologystudent.com)

GCSE Design and Technology - BBC Bitesize

Free GCSE Design and Technology AQA Revision Content — Study Rocket