

Year 10 exams

June 2022



Which subjects will be assessed?

What will the assessment look like?

How long will each assessment be?

How should I prepare for these assessments?

Year 10 exams

June 2022

All students in Years 10 will be taking summer assessments in all their subjects.

The details for these examinations are outlined in the coming pages of this booklet. We include an exams timetable and guidance from each subject.

This subject pages outlines the type of assessment and the length and focus of each assessment so that you know what to expect in each subject and so that you can prepare yourself.

The majority of assessments will be held in the exam halls.

These assessments will inform the teachers of students' progress and form the basis of what we report to you.

To support students and families, we have also included in this booklet some pages to give guidance about revision techniques and well being advice to help make the preparation a productive and positive experience.

If students have any questions in the lead up to their exams, they should talk to their subject teachers, form tutors and Student Progress Leader in the first instance.

Guidance and advice

We have included some guidance and advice in the section below to help students be best prepared for exams and to have a positive experience of the upcoming exams. Should student need any further guidance at any time, they should talk to their subject teachers, form tutors and Student Progress Leader in the first instance.

Exam rules and conduct

Good exam behaviour is essential. Poor behaviour in exams can lead to being disqualified from your exam. An exam situation is very different from a lesson. You should follow these exam behaviour guidelines:

No talking or communicating

In the exam room there must be no communication with other students. This includes talking, eye contact, hand signals or making any unnecessary sounds.

No mobile phones or smart watches

All mobile phones and smart watches must be fully switched off and left in your school bag. If you have a mobile phone on your person during a GCSE exam, even if it is switched off, this is regarded as cheating and your exam paper will be disqualified (given zero marks). **DO NOT TAKE THE RISK.**

Arrive on time and responsibly

As you go through the school, exams have specific times they need to start. It is important that you arrive in plenty

of time and then wait for the exam maturely and quietly. If you are late, you may not be allowed to take the exam.

Going to the toilet

You should ensure that you have been to the bathroom before your exam. You are not allowed to leave the exam without supervision. If you need the toilet during your exam, raise your hand and wait for an invigilator. You must be aware that any time spent away from the exam room is lost against your exam paper.

Pencil case and stationery

You should place all your exam stationery into a clear see through pencil case or plastic food bag. You should have in it 2 black pens (all exam papers must be completed in black ink), a pencil, a pencil sharpener, a rubber and a 30cm ruler. It is your responsibility to bring the correct stationery to your exams.



Revision skills

How to be a success in your exams



Where to do your revision:

- Find a quiet place to study and make sure you are sitting comfortably
- Make sure your revision area is well lit
- Keep noise to a minimum, quiet background music may help
- Avoid studying in areas where there will be distractions (like televisions and phones!)
- Have everything you need to do your revision to hand before you start.

Some ideas on how to revise:

- Write ideas and facts on to cards to use as 'prompts'
- Write key facts/notes out and display these around the house where you will see them
- Record yourself reading notes to listen to
- Write a set of test questions for yourself
- Study with a friend and test each other's knowledge
- Use revision guides and websites like BBC Bitesize
- Keep yourself more alert by changing revision methods during a session
- You need to rest as well as study. Eat well and drink lots of water
- Stop working an hour before you go to bed to allow your brain to slow down ready for sleep.

Revision plan:

- Start your revision early

- Draw up a revision plan for each week/day (*an example of a revision timetable is included in this booklet*)
- Divide your time for each subject into topics based on the units in the revision checklist
- Plan your time carefully, assigning more time to subjects and topics you find difficult
- Revise often. Try and do some every day building up more as you get closer to the exams
- Plan time off, including time for activities which can be done out in the fresh air
- Write up your plan and display it somewhere visible.

Last minute revision tips:

- Use your revision tools (prompts, diagrams etc.) to check final facts
- Don't panic! Think about what you can achieve, not what you can't
- Keep calm and consolidate your existing knowledge rather than trying to learn new topics
- Allow yourself some fun time each day to relax.

Sitting the exam:

- Check you have the correct equipment with you before you leave home (pens pencils, ruler, etc.)
- Leave for school in plenty of time
- Look at the marks available, read the questions carefully, following the given instructions
- Use the information provided on the paper
- Pace yourself and allow enough time to answer all the required questions
- Write as neatly as possible to help the examiner to mark your work.



Revision tips

Revision cards

Idea 1

- Read through your notes
- Pick out the **REALLY** key parts of each section
- Condense the information (shorten it) onto 1 side of a small revision card
- Summarise the key information



Revision cards

Idea 2

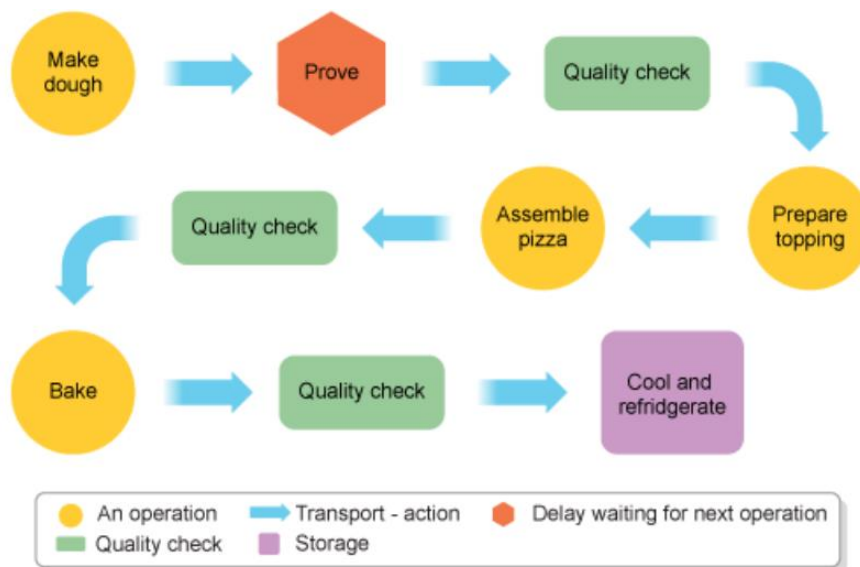
- Write a keyword on a card using your textbook for cues.
- Read the relevant part of the textbook/your notes/your revision guide.
- Come back to your cards and try to write notes on them (this tests your memory)
- You can then flick through the cards to help you remember.



Flow charts

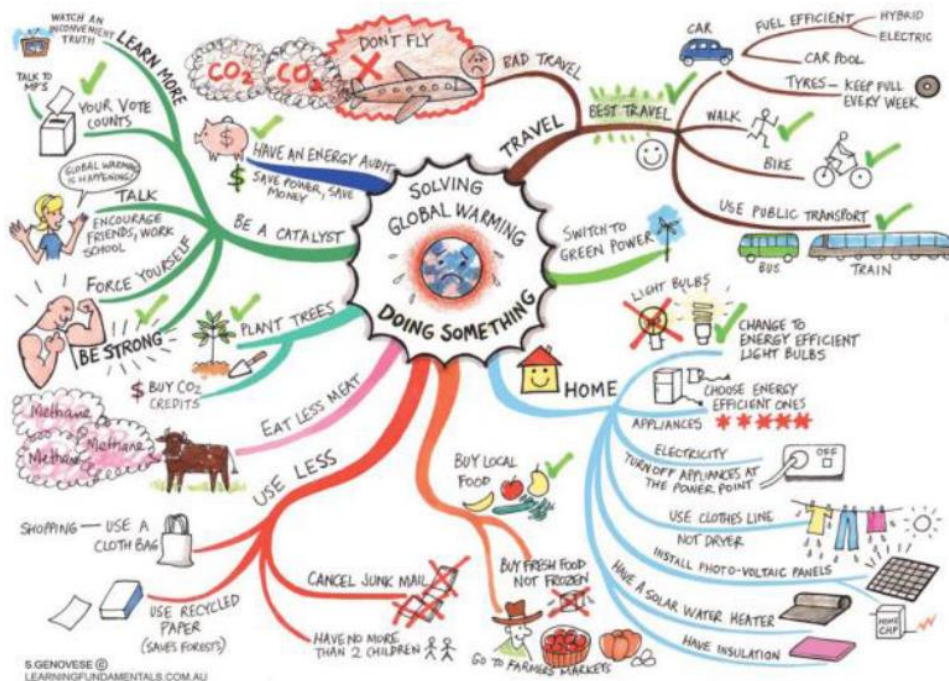
If you're not sure of the order of something...

- Break down the information into small chunks
- Put them in order on a flow chart



Spider diagrams/mind maps

- Incorporate colour coding into these to help you categorise key pieces of information
- Remember – only put the ESSENTIAL pieces of information in here



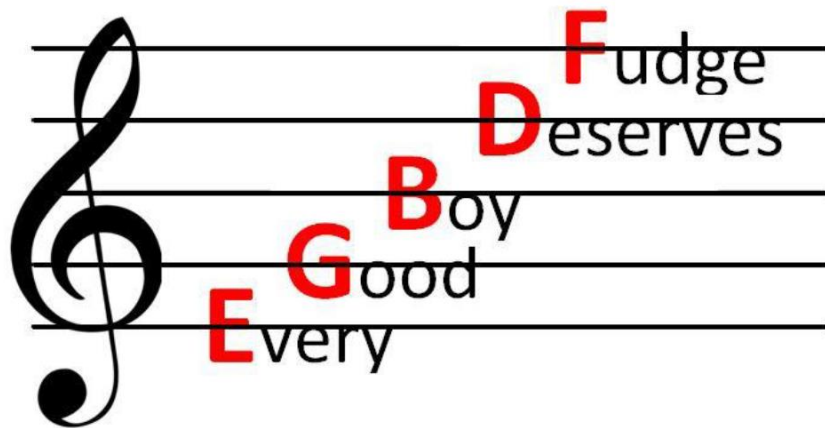
Mnemonics

Summarise key processes through creating a mnemonic.

This also helps to put things into the correct order

For example:

- Causes of the Cold War:
- Beliefs
- Aims and attitudes
- Resentment of History
- Events



Highlighting

Put post-it notes all around the house with key information/quotes etc.



Record key information out loud

Record the information onto your phone.

Play it back when you need a break from writing.

Explore online

There are masses of resources available online:

- BBC Bitesize
- **Error! Hyperlink reference not valid.** + [myMaths](#) for maths
- Websites given to you by your teachers
- The school Teams section for each subject

Managing your well being during exams

Seven tips to help you cope with exam stress

It is normal to feel anxious. Nervousness is a natural reaction to exams. The key is to put these nerves to positive use.

If anxiety is getting in the way rather than helping, practise the activities you will be doing on the day of the exam. This will help it feel less scary.

For example, this may involve doing practice papers under exam conditions or seeing the exam hall beforehand. Your teachers can help with this.

If you feel anxious:

1. Remember to breathe.
2. Eat, sleep and exercise well.
3. Set realistic goals.
4. Don't go it alone.
5. Pace yourself.
6. Believe in yourself.
7. **If you feel like you are struggling, talk to someone.**

Year 10 Exams – June 2022

Topic List

Subject: Computer Science

Mixed Paper : Computer Systems / Computational Thinking, Algorithms and Programming

Topics:

- 1.1 Systems Architecture
 - 1.1 Purpose of the CPU
 - 1.1 common CPU components and their function
 - 1.1 Von Neumann architecture
 - 1.1 Factors affecting performance
 - 1.1 The need for primary Storage
- 1.2 Memory and storage
 - 1.2 Difference between RAM and ROM
 - 1.2 The need for secondary storage
 - 1.2 Types of secondary storage
 - 1.2 Units of storage (can use 1000 or 1024)
 - 1.2 Suitable storage devices and storage media for a given application
 - 1.2 The advantages and disadvantages of different storage devices and storage media
 - 1.2 Calculation of data capacity requirements
- 1.6 Ethical, Legal, Cultural and Environmental
 - 1.6 Impacts of digital technology on wider society
- 2.1 Algorithms
 - 2.1 Identify the inputs, processes, and outputs for a problem
 - 2.1 Create, interpret, correct and refine algorithms
 - 2.1 Standard sorting algorithms
- 2.2 Programming Fundamentals
 - 2.2 The use of variables, constants
 - 2.2 use of the 3 basic constructs, sequence, selection and iteration
 - 2.2 the common arithmetic operators
 - 2.2 the use of data types
 - 2.2 the use of basic file handling
 - 2.2 The use of records to store data
 - 2.2 The use of SQL to search for data
 - 2.2 The use of arrays when solving problems
 - 2.2 How to use sub-programs

Advice:

- When calculating storage capacities, you are permitted to use 1024 or 1000
 - e.g 1Gb = 1024Mb or 1Gb = 1000Mb
- Read all questions carefully, underline/highlight command words and key text

- Attempt all questions as marks can be picked up for incomplete answers

Subject: Drama

Paper 1: Interpreting Theatre - 1 hour and 30 minutes

Topics:

Section A: Set Text – *DNA*

This will comprise a range of questions about *DNA* from the perspective of actor, director and designer. You must answer **all** of these questions. You will have a clean copy of *DNA* in the exam.

Section B: Live theatre review (*Frankenstein*)

You will have a choice of two questions and should answer **one** of them. One will have an acting focus and the other will have a design focus.

You are advised to spend 1 hour and 5 minutes on Section A and 25 minutes on Section B.

Advice:

Section A preparation:

- Re-read the play
- Read through the guidance you have been given by your teacher and the resources in your Drama Team.
- BBC Bitesize is helpful for revision; there are useful sections on design, staging configurations and the written exam.
<https://www.bbc.co.uk/bitesize/examspecs/zdb6xyc>
- Your teacher will also be issuing you with a *DNA* study guide.

Section B preparation

- Re-watch the key scenes.
- Learn the examples from your analysis grid. You can't take this into the exam, so will need to memorise them. To make this more manageable, you could choose to revise either acting or design.
- Use the guidance given by your teacher and in your Drama Team on how to structure your answers and the information you need to include in your introductory paragraph.

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Topic List

Subject: Design & Technology

Paper 1:
Multiple choice questions: Energy; product life cycle; input / output devices; smart materials; fabric construction; technology push / pull; robotics in industry; mechanisms; materials properties
Metals – alloys
Composite materials
Recycling – difficulties
Systems design (Block diagrams)
Commercial manufacturing techniques (Knowledge of one type at least)
Sources of materials – issues of manufacturers
Using materials economically
Materials – Stock forms – properties – possible finishes
Environmental consideration – pollution
Mass and Batch production
Designing – companies
Product evaluation – be able to evaluate / analyse a given product
Using graphs and charts
Using research / types of research
Using a specification
2d and 3d drawings – 2 point perspective
Methods of making basic prototypes
Advice:
Go back through unit tests carefully.
Think carefully about what each question is asking.
Make sure that you identify the ‘command words’ in the question.
Plan out your answer to ‘Extended Response Questions’.
Use bullet points that you can explain if it helps.
Don’t repeat yourself when answering questions.
Be prepared to go back and check answers (re-read)

Year 10 Exams - June 2022

Topic List

Subject: Economics

Paper 1: How Markets Work?

Topics:

Basic Economic Problem

Opportunity Cost

Economic Sectors

Factors of Production

Demand and Supply

Price Elasticity of Demand and Supply

Market Structures (Competitive and Non-Competitive Markets)

Market Failures

Production and Productivity

Labour Market

Specialisation

Economies of Scale

Advice:

- Ensure you are able to calculate % change
- Always re-read question to ensure you have answered it fully. E.g. if question asks you to state effect on 'price of cars', ensure you have answered this.
- Always ensure you have rounded calculations to expected decimal point- usually 1.d.p.
- Try and structure 9 and 15 mark questions so that you have analysed/ assessed both costs and benefits and have included a fully justified conclusion.
- Try and build a full chain of reasoning in 6, 9 and 15 mark questions- When you make a point, keep asking the question- 'WHY'? this will help build a full chain of reasoning- do not assume the examiner knows what you are talking about.

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Topic List

Subject: English

Paper 1: Language Paper 1 (AQA)

Topics:

- Reading 20th Century Prose: Unseen Extract
- Writing: Narrative or Descriptive Writing

Advice:

- Practise reading extracts from novels written between 1900 – 1950. Summarise what you read. Identify 5-7 key quotes and 3-4 methods used.
- Plan a narrative. Create a character and brainstorm how the character might react to different settings, characters, or events.
- Plan a piece of descriptive writing. Use an interesting image to inspire you. Focus on all five senses and zooming in on small details.
- Prepare sophisticated vocabulary. Memorise the meaning and spelling of 5-10 sophisticated words. Include a mix of positive and negative words.

Paper 2: Literature Component 2 (WJEC Eduqas)

Topics:

- An Inspector Calls
- Jane Eyre
- Unseen Poetry

Advice:

'An Inspector Calls' and 'Jane Eyre':

- Timeline the key events in the text. Support each event with a key quote. Link quotes to a key theme.
- Mind-map key characters and themes. Which quotations best illustrates the character or theme? How does the character/theme develop through the text?
- 5-point plans: Create a 5-point plan for each character or theme. Which events in the text will you explore? Which quotes best evidence your ideas? Remember to make specific links to methods, writer's intention, and context.
- For all of the above, remember to work your way chronologically through the text.
- For 'Jane Eyre' ONLY: what links can you make to context? What specifically do the examples you've chosen show us about Victorian society?

Unseen Poetry:

- Practise analyzing unseen poems. Explore the content, imagery, themes and structure in each unseen poem.
- Practise comparing unseen poems. Create a comparison chart to compare poets' attitudes, imagery, themes and ideas.

- 5-point plans: Create a 5-point plan to compare poems. What points will you compare? What evidence will you use? Remember to make specific links to methods and writers' intentions.
- You can find lots of unseen poems on the following websites:
http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2016-17/16-17_3-19/pdf/eng/List%20of%20poems.pdf
Or by Googling 'WJEC Eduqas Unseen Poetry Practise' and clicking 'Approaches to unseen poetry – Eduqas Digital Resources'

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Topic List

Subject: Film Studies

Topics:

Component 2- Global Film: Narrative, Representation and Film Style

-Wadjda

-Slumdog Millionaire

-Brooklyn

Questions will cover:

- Social context, settings, gender, themes, characters, aesthetics
- The four elements of film language:
 1. Mise-en-scene (costume, setting, colour, make-up, lighting)
 2. Editing
 3. Sound
 4. Cinematography (camera angles)

Advice:

- Use your film log to revise key sequences
- Re-watch the films studied
- Use the Film Fact Sheets on Teams to create revision mind maps
- Use Quizlet link on teams to revise key vocabulary
- Produce revision cards on how the four elements of film language are used in each of our three studied films

Subject: Food Preparation and Nutrition

Paper 1:

The science of cooking food:

Methods of cooking, Heat transference used during cooking, Reasons why we cook food, how to maintain the nutritional value of food through preparation and cooking

Safety in the kitchen

Using the cooker – Boiling, Frying, and baking food

Using microwaves in cooking – Advantages and disadvantages

Diets and good health – Rules of Healthy eating and living, Eatwell Guide

Daily Nutritional needs for Children, Teenagers and Adults

Principle of nutrition – Functions, Consequences of too much and too little of any nutrient in a diet

Baked Products – Functions of the ingredients – Eggs, sugar, Margarine/fat

Modern Technology in food – What are the required safety standards – Reasons why safety standards are required

Packaging:

What are the safety features found on food packaging?

What are the roles of packaging to ensure food remain in prime condition for the consumer?

Food Choices

What are the sensory perceptions used to evaluate the quality of cooked products?

What other factors influence food choice?

Why do we carry out sensory evaluation testing in food production, what is the influence of sensory evaluation in creating a new product?

Food Provenance

What is food sustainability and Food insecurity?

What are the ways to reduce food waste when buying and cooking?

Storing food

Using the refrigerator to store raw and cooked foods, what are the health, hygiene and safety rules to store food successfully

Advice:

Revise through your food exercise book and Unit tests carefully.

Think carefully about what each question is asking.

Make sure that you identify the 'command words' in the question.

Plan out your answer to 'Extended Response Questions'.

Use bullet points that you can explain if it helps and make sure that you have provided enough relevant answers for the awarded marks.

Don't repeat yourself when answering questions and don't stay too long on one question.

Be prepared to go back and check answers.

Year 10 Exams – June 2022

Topic List

Subject: French

Paper 1: Listening
Written examination Foundation tier: 35 minutes including 5 minutes reading time; 50 marks Higher tier: 45 minutes including 5 minutes reading time; 50 marks 25% of the total qualification Content overview This paper draws on vocabulary and structures across all the themes and topics. Assessment overview Students are assessed on their understanding of standard spoken French by one or more speakers in a range of public and social settings. Students will respond to multiple-response and short-answer open response questions based on a recording featuring male and female French speakers. Students must answer all questions in both sections. There is no requirement for students to produce written responses in French. Foundation tier: <ul style="list-style-type: none">● Section A is set in English. The instructions to students are in English.● Section B is set in French. The instructions to students are in French. Higher tier: <ul style="list-style-type: none">● Section A is set in French. The instructions to students are in French.● Section B is set in English. The instructions to students are in English.
Advice: Ensure that you have completed all vocabulary sets on <i>Quizlet</i> . You can log on <i>Pearson Active Learn</i> to complete additional listening activities or go through listening activities that you have completed in class.

Paper 2 – Speaking

These exams will be completed between 27th June and 1st July. Your teachers will brief you in your lessons about how to prepare for these.

Paper 3: Reading
Written examination Foundation tier: 45 minutes; 50 marks Higher tier: 1 hour; 50 marks

25% of the total qualification

Content overview

This paper draws on vocabulary and structures across all the themes and topics.

Assessment overview

Students are assessed on their understanding of written French across a range of different types of texts, including advertisements, emails, letters, articles and literary texts. Students are required to respond to multiple-response and short-answer questions based on these texts. Students must answer all questions in each of the three sections: Section A is set in English. The instructions to students in English.

Section B is set in French. The instructions to students in French.

Section C includes a translation passage from French into English with instructions in English.

Advice:

Ensure that you have completed all vocabulary sets on *Quizlet*.

You can log on *Pearson Active Learn* to complete additional reading activities or go through reading activities that you have completed in class.

Paper 4: Writing Higher

Written examination

Foundation tier: 1 hour 10 minutes; 60 marks

Higher tier: 1 hour 20 minutes; 60 marks

25% of the total qualification

Content overview

This paper will focus on vocabulary and structures across all the themes and topics studied in Year 10. This will include:

Le grand large

De la ville à la campagne

Au collège

Bon travail!

Jours Ordinaires, Jours des fêtes

Assessment overview

Students are assessed on their ability to communicate effectively through writing in French for different purposes and audiences. Students are required to produce extended responses of varying lengths and types to express ideas and opinions in French. The instructions to students are in French. Word counts are specified for each question. Students must answer all questions.

Foundation tier – three open response questions and one translation into French.

Higher tier – two open response questions and one translation into French.

Advice:

Ensure that you go back through all the writing assessments we have completed this year.

Use the answers in your speaking booklets to revise these topics as these could be make up part of the essay questions.

Subject: Geography

Paper 1: Living with the Physical Environment: We will be covering the first two topics only as we have not yet completed rivers and coasts. This will be assessed at a later date.

Section A – The Challenge of Natural Hazards

- What natural hazards are and different types of hazard (e.g. tectonic, atmospheric)
- Theory of plate tectonics (continental drift and ridge push /slab pull)
- Different plate boundaries and associated hazards and landforms
- Earthquakes – cause, effect and management
- Case study: Nepal Earthquake (LIC)
- Case study: New Zealand Earthquake (HIC)
- Why do people live with hazard risk ?
- Atmospheric circulation
- Tropical storms – cause, effect and management
- Case study: Typhoon Haiyan
- Extreme weather in the UK (including examples)
- Case study: Somerset levels floods in 2014
- Climate change: Evidence that it is happening, Human and Physical causes (e.g. Milankovitch cycles) and its effects.
- Managing climate change: adaption and mitigation

Section B – The Living World

- What are Ecosystems and how does the nutrient cycle work?
- Food chains and food webs
- Case study: Epping Forest – interdependence between different species
- Changes affecting ecosystems (human and physical)
- Case study: Changes affecting Yellowstone National Park
- Characteristics of different Biomes – climatic conditions and key flora and fauna
- Rainforest characteristics and adaptations
- Why are rainforests valuable?
- Causes and effects of rainforest destruction
- Case study: Malaysia
- How can we manage rainforests sustainably?
- Characteristics of Hot Deserts and specie adaptations
- Case study: Opportunities & challenges in the Thar Desert
- Desertification: causes and responses

Advice:

In addition to the general content, there will as always be questions which require you to use maps, photos and a variety of graphical presentations. You could also be assessed on

key geographical skills such as grid references, scale and direction and basic numeracy e.g. calculating mean, mode, median, range and interquartile range.

Subject: History

Paper 1: Superpower Relations and Anglo-Saxon and Norman England

Superpower Relations and the Cold War 1941-1991

Key topic 1: The origins of the Cold War, 1941–58

- The Grand Alliance. The outcomes of the Tehran, Yalta and Potsdam conferences.
- The ideological differences between the superpowers and the attitudes of Stalin, Truman and Churchill.
- The impact on US-Soviet relations of the development of the atomic bomb, the Long and Novikov telegrams and the creation of Soviet satellite states in Eastern Europe.
- The impact on US-Soviet relations of the Truman Doctrine and the Marshall Plan, 1947.
- The significance of Cominform (1947), Comecon (1949) and the formation of NATO (1949).
- Berlin: its division into zones. The Berlin Crisis (blockade and airlift) of 1948-49 and its impact. The formation of the Federal Republic of Germany and German Democratic Republic.
- The significance of the arms race. The formation of the Warsaw Pact.
- Events in 1956 leading to the Hungarian Uprising, and Khrushchev's response.
- The international reaction to the Soviet invasion of Hungary.

Key topic 2: Cold War crises, 1958–70

- The refugee problem in Berlin, Khrushchev's Berlin ultimatum (1958), and the summit meetings of 1959–61.
- Soviet relations with Cuba, the Cuban Revolution and the refusal of the USA to recognise Castro's government. The significance of the Bay of Pigs incident.
- Opposition in Czechoslovakia to Soviet control: the Prague Spring.
- The construction of the Berlin Wall, 1961.
- The events of the Cuban Missile Crisis.
- The Brezhnev Doctrine and the re-establishment of Soviet control in Czechoslovakia.
- Impact of the construction of the Berlin Wall on US-Soviet relations. Kennedy's visit to West Berlin in 1963.
- The consequences of the Cuban Missile Crisis, including the 'hotline'. Attempts at arms control.
- International reaction to Soviet measures in Czechoslovakia.

Key topic 3: The end of the Cold War, 1970–91

- Détente in the 1970s, SALT 1, Helsinki, and SALT 2.
- The significance of Reagan and Gorbachev's changing attitudes.

- Gorbachev's 'new thinking' and the Intermediate-Range Nuclear Force (INF) Treaty (1987).
- The significance of the Soviet invasion of Afghanistan, the Carter Doctrine and the Olympic boycotts.
- Reagan and the 'Second Cold War', the Strategic Defence Initiative.
- The impact of Gorbachev's 'new thinking' on Eastern Europe: the loosening Soviet grip on Eastern Europe.
- The significance of the fall of the Berlin Wall.
- The collapse of the Soviet Union and its significance in bringing about the end of the Warsaw Pact.

Advice:

To assist you with your revision, the above topics have been identified as areas you will want to particularly focus on when it comes to your revision.

As well as the content please ensure that you also spend time revising the exam technique, so that you know how to answer all the different types of questions featured on Paper 2.

Subject: Mathematics – Foundation Tier

Paper 1: Non - Calculator

Topics: Refer to your Teams for a list of topic breakdowns

1. **Number (*see Ratio – some overlap of topic areas)**
 - Arithmetic
 - Fractions
 - Properties
 - Standard Form
 - Approximation and Estimation
2. **Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)**
 - Conversion
 - Percentages
 - Ratio
 - Proportion
 - Compound Measures
3. **Algebra**
 - Manipulation
 - Equations and inequalities
 - Graphs
 - Sequences
4. **Geometry and measures**
 - Shape
 - Angles
 - Length, area and volume
 - Pythagoras's Theorem and Trigonometry
5. **Probability**
 - Probability
6. **Statistics**
 - Diagrams

Advice:

1. Go through the topics list and any topics you feel you need help with:
 - Go on [MathsWatch](#) and watch the videos and complete the worksheets according to the clip numbers from your Teams topic lists.
 - Attend Maths Support on Tuesdays after school.

- Ask your teacher about specific questions you are struggling with as this may benefit the entire class
2. Download past exam papers from [Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions](#) and complete these. After marking your papers, pick 2-3 topics to improve on and go back to step 1.
 3. Repeat this process

Paper 2: Calculator

Topics: Refer to your Teams for a list of topic breakdowns

1. **Number (*see Ratio – some overlap of topic areas)**
 - Arithmetic
 - Fractions
 - Properties
 - Powers and Roots
 - Approximation and Estimation
 - Calculator use
2. **Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)**
 - Conversion
 - Percentages
 - Ratio
 - Proportion
 - Compound Measures
3. **Algebra**
 - Manipulation
 - Equations and inequalities
 - Sequences
4. **Geometry and measures**
 - Shape
 - Angles
 - Length, area and volume
 - Pythagoras's Theorem and Trigonometry
5. **Probability**
 - Probability
6. **Statistics**
 - Diagrams
 - Measures
 - Population

Advice:

1. Go through the topics list and any topics you feel you need help with:
 - Go on [MathsWatch](#) and watch the videos and complete the worksheets according to the clip numbers from your Teams topic lists.
 - Attend Maths Support on Tuesdays after school.
 - Ask your teacher about specific questions you are struggling with as this may benefit the entire class
2. Download past exam papers from [Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions](#) and complete these. After marking your papers, pick 2-3 topics to improve on and go back to step 1.
3. Repeat this process

Subject: Mathematics – Higher Tier

Paper 1: Non - Calculator

Topics: Refer to your Teams for a list of topic breakdowns

- 1. Number (*see Ratio – some overlap of topic areas)**
 - Arithmetic
 - Fractions
 - Properties
 - Powers and roots
 - Standard Form

- 2. Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)**
 - Percentages
 - Ratio
 - Compound Measures

- 3. Algebra**
 - Manipulation
 - Equations and inequalities
 - Graphs

- 4. Geometry and measures**
 - Angles
 - Length, area and volume
 - Pythagoras's Theorem and Trigonometry
 - Vectors

- 5. Probability**
 - Probability

- 6. Statistics**
 - Diagrams
 - Measures

Advice:

1. Go through the topics list and any topics you feel you need help with:
 - Go on [MathsWatch](#) and watch the videos and complete the worksheets according to the clip numbers from your Teams topic lists.
 - Attend Maths Support on Tuesdays after school.
 - Ask your teacher about specific questions you are struggling with as this may benefit the entire class

2. Download past exam papers from [Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions](#) and complete these. After marking your papers, pick 2-3 topics to improve on and go back to step 1.
3. Repeat this process

Paper 2: Calculator

Topics: Refer to your Teams for a list of topic breakdowns

- 1. Number (*see Ratio – some overlap of topic areas)**
 - Arithmetic
 - Properties
 - Approximation and Estimation
- 2. Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)**
 - Conversion
 - Percentages
 - Ratio
 - Proportion
 - Compound Measures
 - Growth and Decay
- 3. Algebra**
 - Manipulation
 - Equations and inequalities
 - Graphs
- 4. Geometry and measures**
 - Angles
 - Length, area and volume
 - Pythagoras's Theorem and Trigonometry
 - Vectors
- 5. Probability**
 - Probability
- 6. Statistics**
 - Diagrams

Advice:

1. Go through the topics list and any topics you feel you need help with:

- Go on [MathsWatch](#) and watch the videos and complete the worksheets according to the clip numbers from your Teams topic lists.
 - Attend Maths Support on Tuesdays after school.
 - Ask your teacher about specific questions you are struggling with as this may benefit the entire class
2. Download past exam papers from [Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions](#) and complete these. After marking your papers, pick 2-3 topics to improve on and go back to step 1.
 3. Repeat this process

Subject: Music

Paper 1: Understanding Music**Topics:****Section A:**

AOS 1: Baroque music and specifically oratorios and coronation anthems

AOS 1: Orchestral Music of Haydn, Beethoven and Mozart

AOS 1: Piano Music of Chopin and Schumann

AOS 1: Requiems of the Late Romantic Period

AOS 2: Music of Broadway 1950 – 1990

AOS 2: Rock Music of the 60s and 70s

AOS 2: Film and Computer Gaming Music

AOS 2: Urban R and B and Pop Music

Section B: 28 marks**Mozart – Mozart’s Clarinet Concerto in A major, K. 622, movt. 3, Rondo (14 marks)**

This section will have three 2-mark questions and one 8-mark question

Little Shop of Horrors – Prologue/Little Shop of Horrors (14 marks)

This section will have three 2-mark questions and one 8-mark question.

General Elements Covered:

Melody - conjunct, disjunct, *triadic*, broken chords, *scalic*, arpeggio, *intervals*, chromatic movement, *slide/portamento*, ornamentation including acciaccaturas, appoggiaturas, trills, turns, mordents.

Harmony - *diatonic*, chromatic, *consonant*, dissonant, pedal, drone, cadences: perfect, *plagal*, imperfect, *interrupted*, identification of major, minor and dominant seventh chords.

Tonality – major, minor, *modal*, *atonal*, *pentatonic*

Structure – Binary, ternary, rondo, through-composed, call and response, *ground bass*, *continuo*, *cadenza*, *theme and variation*.

Timbre/Sonority - Use of *con arco*, pizzicato, *con sordino*. Strings, woodwind, brass and percussion. Common instrumental groups such as *string quartet*, orchestra etc. Choir types – SATB, SSAA etc.

Texture – homophonic, polyphonic/contrapuntal, imitative, *canonic*, antiphonal, a cappella, monophonic, melody and accompaniment, unison, octaves.

Tempo, Metre and Rhythm - *simple and compound time*, *regular time signatures*, anacrusis, common Italian tempo terms eg allegro, largo and moderato, *pulse*, *augmentation*, *diminution*, *hemiola*, semibreve, minim, crotchet, quaver, semiquaver, dotted rhythms, triplets, rubato, pause, tempo.

Dynamics and Articulation - pp, p, mp, mf, f, ff including the Italian terms, cresc, crescendo, dim, diminuendo, sfz, sforzando, common signs, terms and symbols. Staccato, legato, accents.

Advice:

- Make sure you know the terminology.
- Questions will ask you to 'identify the cadence' or 'describe the texture' you MUST have a good knowledge of musical terms listed above.
- You must know what the question is asking you. Don't over revise the topic areas (eg. Rock Music of the 60s and 70s) you only need to know the key features of each style. There is no need to learn the dates and names of every Pink Floyd song released. Just focus on the key features of each genre and you will be fine.

Year 10 Exams – June 2022

Topic List

Subject: PE

Paper 1:
Topics: UNIT 3 ONLY <ul style="list-style-type: none">• Components of fitness• Fitness tests• Types of training• Quantitative and Qualitative data• SPORT, FITT• Types of seasons• Warm up and cool down
Advice: <ul style="list-style-type: none">• Practice exam questions – PE Teams• AQA website• You tube – AQA GCSE PE (then type in the topic above)• GCSE POD

Paper 2:
Topics: UNIT 4,5,6 <ul style="list-style-type: none">• Skills and ability• Classifications of skills – the continuums ie basic to complex• Target setting (smart)• Basic model of information processing• Guidance• Inverted U theory• Types of motivation• Types of aggression• Types of personality• Participation in sport and different ages.• Golden triangle• PEDS• Health and well being• Balances diet – protein, carbs etc• Somatotypes
Advice: <ul style="list-style-type: none">• Practice exam questions – PE team

- AQA GCSE PE website
- You tube – AQA GCSE PE (then type in the topic above)
- GCSE POD

Paper 3: Practical

Topics:

- Trampolining assessment
- Handball assessment
- Netball assessment

Each sport is mark out of 25 marks 30 % of your final grade

Draft coursework – already handed in 10% of your final grade.

Advice:

- Join a club outside of school
- Improve fitness – 20-30 minutes jogging 3 times a week

Subject: Religious Studies

Paper 1: Christianity, Religion, Philosophy and Ethics

As the first three topics have been covered in full, all content covered could come up in the exam. The first three topics will be covered in the exam as follows:

Section 1 – Christian Beliefs

Section 2 – Marriage and the Family

Section 3 – Living the Christian Life

Section 4 – Matters of Life and Death

As this section will not be finished by all classes, the following topics could be covered:

- The Sanctity of Life
- Scientific explanations about the creation of the universe and the creation of human life
- Different Christian responses to those scientific explanations
- Christian Beliefs regarding the life after death
- Non-religious reasons to believe in life after death
- Different atheist ideas and arguments against Christian beliefs about life after death
- The issue of abortion and different Christian attitudes and teachings on abortion

The following topics **will not** be covered:

- The issue of euthanasia and different Christian attitudes and teachings regarding euthanasia
- Christian teachings and attitudes in relation to the treatment of the environment
- Christian teachings and attitudes in relation to the treatment of animals

Advice:

It is strongly recommended that you revise Humanist views on different issues, as well as the responses of relevant ethical theories, so that you can use these perspectives where appropriate in essay questions. The key relevant ethical theories that we focus on are Situation Ethics and Utilitarianism.

Furthermore, it is important that you consider your exam technique. You should make sure that you can complete early questions accurately and with efficiency so that you can effectively manage your time between the shorter questions and the essay questions. You should also make sure that you practice your essay writing skills focusing on the effective formulation of arguments and especially on effectively incorporating evaluation skills into your essays.

Year 10 Exams – June 2022

Topic List

Subject: Combined Science

Paper 1: Biology

Topics:

- B1: Cell Biology
- B2: Photosynthesis
- B3: Moving and changing materials
- B4: Health matters

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- Some of the extended questions can be very application based requiring you to apply what you know to new situations. Practicing past paper questions helps with this and get you used to the style of questions you could expect and how to best to answer them.

Paper 2: Chemistry

Topics:

- C1: Atomic structure
- C2: Structure and bonding
- C3: Chemical quantities and calculations
- C4: Chemical changes

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- Some of the extended questions can be very application based requiring you to apply what you know to new situations. Practicing past paper questions helps with this and get you used to the style of questions you could expect and how to best to answer them.

Paper 3: Physics

Topics:

- P1: Energy
- P2: Electricity
- P3: Particle model of matter

P4: Atomic structure

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- Some of the extended questions can be very application based requiring you to apply what you know to new situations. Practicing past paper questions helps with this and get you used to the style of questions you could expect and how to best to answer them.

Subject: Separate Science

Paper 1: Biology

Topics:

- B1: Cell Biology
- B2: Photosynthesis
- B3: Moving and changing materials
- B4: Health matters

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- Some of the extended questions can be very application based requiring you to apply what you know to new situations. Practicing past paper questions helps with this and get you used to the style of questions you could expect and how to best to answer them.
- Pay particular attention to the command words at the start of questions so you are clear what they are asking e.g. describe: what does it look like, often for a graph; or explain, making a statement and then saying why something occurs e.g. why osmosis occurs somewhere.

Paper 2: Chemistry

Topics:

- C1: Atomic structure
- C2: Structure and bonding
- C3: Chemical quantities and calculations
- C4: Chemical changes

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- Some of the extended questions can be very application based requiring you to apply what you know to new situations. Practicing past paper questions helps with this and get you used to the style of questions you could expect and how to best to answer them.

Paper 3: Physics

Topics:

P1: Energy

P2: Electricity

P3: Particle model of matter

P4: Atomic structure

Advice:

- Check through the overview linked to each topic so you are clear on the content you need to understand.
- Ensure you are clear on any required practicals linked to each topic.
- You need to ensure you learn all Physics formulae, as you will be called upon to recall them, rearrange and apply them to calculations. It is recommended some time be spent practicing these.
- Keep a close eye on the command words (as mentioned in Biology) these direct you how to answer a question. Ensure you can also recall units e.g. acceleration in m/s^2 or power in W, these marks are often lost.

Year 10 Exams – June 2022

Topic List

Subject: Spanish

Paper 1: Listening
Written examination Foundation tier: 35 minutes including 5 minutes reading time; 50 marks Higher tier: 45 minutes including 5 minutes reading time; 50 marks 25% of the total qualification Content overview This paper draws on vocabulary and structures across all the themes and topics. Assessment overview Students are assessed on their understanding of standard spoken Spanish by one or more speakers in a range of public and social settings. Students will respond to multiple-response and short-answer open response questions based on a recording featuring male and female Spanish speakers. Students must answer all questions in both sections. There is no requirement for students to produce written responses in Spanish. Foundation tier: <ul style="list-style-type: none">● Section A is set in English. The instructions to students are in English.● Section B is set in Spanish. The instructions to students are in Spanish. Higher tier: <ul style="list-style-type: none">● Section A is set in Spanish. The instructions to students are in Spanish.● Section B is set in English. The instructions to students are in English.
Advice: Ensure that you have completed all vocabulary sets on <i>Quizlet</i> . You can log on <i>Pearson Active Learn</i> to complete additional listening activities or go through listening activities that you have completed in class.

Paper 2 – Speaking

These exams will be completed between 27th June and 1st July. Your teachers will brief you in your lessons about how to prepare for these.

Paper 3: Reading
Written examination Foundation tier: 45 minutes; 50 marks Higher tier: 1 hour; 50 marks

25% of the total qualification

Content overview

This paper draws on vocabulary and structures across all the themes and topics.

Assessment overview

Students are assessed on their understanding of written Spanish across a range of different types of texts, including advertisements, emails, letters, articles and literary texts. Students are required to respond to multiple-response and short-answer questions based on these texts. Students must answer all questions in each of the three sections: Section A is set in English. The instructions to students in English.

Section B is set in Spanish. The instructions to students in Spanish.

Section C includes a translation passage from Spanish into English with instructions in English.

Advice:

Ensure that you have completed all vocabulary sets on *Quizlet*.

You can log on *Pearson Active Learn* to complete additional reading activities or go through reading activities that you have completed in class.

Paper 4: Writing Higher

Written examination

Foundation tier: 1 hour 10 minutes; 60 marks

Higher tier: 1 hour 20 minutes; 60 marks

25% of the total qualification

Content overview

This paper will focus on vocabulary and structures across all the themes and topics studied in Year 10. This will include:

¡Desconéctate!

Mi vida en el insti

¡A currar!

De costumbre

Assessment overview

Students are assessed on their ability to communicate effectively through writing in Spanish for different purposes and audiences. Students are required to produce extended responses of varying lengths and types to express ideas and opinions in Spanish. The instructions to students are in Spanish. Word counts are specified for each question. Students must answer all questions.

Foundation tier – three open response questions and one translation into Spanish.

Higher tier – two open response questions and one translation into Spanish.

Advice:

Ensure that you go back through all the writing assessments we have completed this year.

Use the answers in your speaking booklets to revise these topics as these could be make up part of the essay questions.