



**PLATANOS COLLEGE**

An outstanding school for  
pupils of all abilities

**Year 10**

**Formal Examination Week**

**Monday 2<sup>nd</sup> November 2020 to Friday 6<sup>th</sup> November 2020**

# **Guide to Examinations**

Make sure that you use the **toilet before you line up** in the morning. Unless you have a known medical condition backed up by a note from your GP, it is highly unlikely you will be given permission to leave the examination room once the examination has begun.

You may bring a small bottle of plain water to the exam room, but the labelling must have been removed before the exam.

**The school day will run as normal. Year 10 examinations will take place in class time and you will be informed in good time for when your examination will be for each subject.**

**No equipment will be provided for you.** The **loaning and borrowing** of equipment between candidates during examinations is **not permitted**. Therefore make sure well in advance of the examination week that you have all the equipment you will need (**black pens, pencils, ruler, rubber, calculator, colouring pencils, and spares of everything**).

The only type of **pencil-case** you are allowed to have on your exam desk is a **transparent** one. If you haven't yet got one, purchase one in good time for the exams.

Bring a packet of **tissues** with you in case you need them.

**Mobile phones must be switched off.** Smart watches, tablets or any electronic equipment are **strictly forbidden**, as is any equipment which is likely to make a sound which may distract others.

There is **no talking in the examination room** under any circumstances. Unless an invigilator has spoken to you, you should remain silent. Any form of communication between candidates, whether written or verbal, no matter what the content, will be treated as misconduct and **your paper will be cancelled**. Therefore, it is best to remain silent from the time you enter the examination room to the time you leave. **In addition, any attempt to distract other candidates, whether verbal or non-verbal, will be dealt with severely.**

Once any instructions have been given and the examination has begun, you may only put up your hand if you are facing an emergency. **No questions should be asked about the examination itself**, as an answer would give you an unfair advantage over other candidates. Therefore listen carefully to any instructions you are given, read the instructions on the paper itself, and use your initiative.

## **HOW TO PERFORM WELL IN EXAMINATIONS**

This guide is intended to help you with your examination preparation so that you can make the most of what you have learned. It does **not** offer you a way around the problem of lack of effort in the past, but it **can** help you make the best use of the time you have left! The most important thing is to **listen** and **participate** in class. The harder you work in class **now**, the easier your revision and preparation will be later.

### **PLAN YOUR REVISION**

- Work out how long you've got to revise before the examinations, and plan how best to use that time.
- Prepare a revision timetable.
- Pace yourself, revisiting each subject area regularly in the weeks before the examinations.
- Don't fool yourself that 'cramming' the night before an examination will do the trick - it won't.

## **PREPARATION**

- Be organised. Keep your folders, books etc. tidy so that you don't have to waste time looking through clutter.
- Read the subject pages in this booklet carefully to find out what will be examined in each subject.
- Don't try to revise where there are distractions, like the TV or your games console.
- Eat well, sleep well and take physical exercise – cooping yourself up in one room day after day is unhealthy. You won't perform well if you've locked yourself up with books for weeks!
- Your brain can only concentrate for certain periods of time, so take regular breaks and treat yourself to a reward – go out for a walk, kick a ball about, listen to music.
- Don't let breaks take over though – stick to strict time limits, and don't slump for long periods in front of the TV.
- Make sure you know what equipment you will need for each examination. Make sure you know which examinations are on which days.
- If you are ill on the day of an examination, make sure your parent/guardian telephones school immediately to explain.
- Make sure you are comfortable before you go into the examination room – (e.g. make sure you have been to the toilet).

## **DON'T PANIC!**

Remember, examinations are NOT designed to catch you out – rather to allow you to show what you have learned. Being calm and thoughtful in the examination will help you get the most out of your preparation.

# EQUIPMENT

# WARNING

Please make sure that your son/daughter is properly equipped for the forthcoming examinations.



- A transparent pencil case
- Several black pens and pencils
- A rubber, ruler and pencil-sharpener
- Mathematical equipment (protractor, set-square, compass and a working scientific calculator).

# English

## Macbeth

### Question Stems:

1a) How does Shakespeare use **language** to present.... in this **extract**.

1b) Explain the **importance** of ... **elsewhere in the novel**.

### Topics:

You will be assessed on your analysis of Shakespeare's Macbeth. Think about how Shakespeare uses vocabulary as well as language devices to affect the readers and use quotations from the play to make inferences about character, ensuring you explain what you have inferred in detail. For question B, you must also consider Shakespeare's intentions and explain how your ideas link to the context of the play.

### Skills:

The following skills will be assessed:

**Assessment Objective 1:** Can I identify and interpret explicit and implicit information and ideas?

**Assessment Objective 2:** Can I analyse the writer's use of language and structure?

**Assessment Objective 3:** Can I comment on the significance of context?

### What should you do to help you revise?

- GCSE Bitesize (website)
- Read extracts of the play
- Use your exercise book
- GCSE Revision guides

### What is the outline of the exam and how will it be assessed?

You will have a reading exam.

You will be given an extract from the play and must then use the extract to respond to the questions. You will be expected to demonstrate the ability to analyse the language in the extract. You will also be expected to use a range of relevant quotations and subject terminology in your response.

For the second question, you must be able to include key quotations from elsewhere in the play to support your argument. You must also be able to explain the significance of a character or theme and be able to link this to the context of the text.

# Mathematics

## Topics to revise for the first assessment

Higher	Foundation
<b><u>Higher – Non-Calculator paper</u></b>	<b><u>Foundation – Non-Calculator paper</u></b>
Equations and formulae	Number problems
Probability	Primes and indices
Area and volume	Fractions, decimals and percentages
Trigonometry	Charts and graphs
Standard form	Ratio and proportion
Ratio and proportion	Two way tables
Indices	Sequences
Rearranging formulae	Estimation
Solving equations	Area and volume
Simplifying algebraic expressions	Transformations
Algebraic graphs	Equations and formulae
Surds	

### Online Revision resources:

1. Mymaths: [www.mymaths.com](http://www.mymaths.com)
2. SAM Learning: [www.samlearning.com](http://www.samlearning.com)
3. BBC Bitesize KS3: <http://www.bbc.co.uk/education/levels/z4kw2hv>
4. Maths Watch: [www.mathswatchvle.com](http://www.mathswatchvle.com)

### Equipment needed:

1. Pen
2. Pencil
3. Scientific calculator
4. Maths set (ruler, protractor, compasses)

# Science (Double Award)

## Year 10 Combine Science Trilogy (Double Award)

### Topics that will be assessed:

During this term, Year 10 pupils have been studying the topics as listed below. The Formal Exam will be based on the following topics:

### **Biology**

#### **B2: Cell division**

- Cell division
- Growth and differentiation
- Stem cells
- Stem cells dilemma

#### **B5: Communicable diseases**

- Health and disease
- Pathogens and disease
- Preventing infections
- Viral diseases
- Bacterial diseases
- Diseases caused by fungi and protists
- Human defence responses

#### **B6: Preventing and treating disease**

- Vaccination
- Antibodies and painkillers
- Discovering drugs
- Developing drugs

#### **B7: Non-communicable diseases**

- Non-communicable diseases
- Cancer

- Smoking and the risk of disease
- Diet, exercise, and disease
- Alcohol and other carcinogens

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- Non-communicable diseases
- Cancer
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- Diet, exercise, and disease
- Alcohol and other carcinogens

#### **P2: Energy transfer by heating**

- Energy transfer by conduction
- Infrared radiation
- More about infrared radiation
- Specific heat capacity
- Heating and insulating buildings

#### **Required practical:**

**Investigating thermal insulators:** Use different materials and different thicknesses of the same material to insulate identical beakers of hot water, and measure the change in temperature of the water at regular intervals.



# Science (Triple Award)

## Year 10 Triple Science Revision Guidance

### Topics that will be assessed:

During this term, Year 10 pupils have been studying the topics as listed below. The Formal Exam will be based on the following topics:

### **Biology**

#### **B2: Cell division**

- Cell division
- Growth and differentiation
- Stem cells
- Stem cells dilemma
- 

#### **B5: Communicable diseases**

- Health and disease
- Pathogens and disease
- ***Growing bacteria in the lab***
- ***Preventing bacterial growth***
- Preventing infections
- Viral diseases
- Bacterial diseases
- Diseases caused by fungi and protists
- Human defence responses
- ***More about plant diseases***
- ***Plant defence responses***

#### **B6: Preventing and treating disease**

- Vaccination
- Antibodies and painkillers

- Discovering drugs
- Developing drugs
- ***Making monoclonal antibodies***
- ***Uses of monoclonal antibodies***

#### **B7: Non-communicable diseases**

- Non-communicable diseases
- Cancer
- Smoking and the risk of disease
- Diet, exercise, and disease
- Alcohol and other carcinogens
- Anaerobic respiration
- Metabolism and the liver

Required practical: ***Investigating the effect of antiseptics or antibiotics on bacterial growth.***

# Science

## Skills that will be assessed:

Pupils will be assessed in the following areas:

- Data handling – evaluating given data and figures. Identifying patterns and relationships and making suitable conclusions.
- Gathering evidence – ways of presenting data and figures
- Investigative skills – designing investigations so that patterns and relationships between variables may be identified

## Resources to use for revision:

- AQA website with a range of resources: <http://www.aqa.org.uk/subjects/science/steps-to-success-in-science>
- BBC website with various topics and activities: <http://www.bbc.co.uk/education/subjects/zrkw2hv>
- SAM Learning with various topics and activities: <https://www.samlearning.com/>

## Outline of exam paper:

Example of exam papers and mark schemes can be found on this official AQA website:

<http://www.aqa.org.uk>

# History

## Year 10 Revision guidance – History

### Topics that will be assessed: The Elizabethan Age 1558-1603

Throughout this year, Year 10 pupils have been studying the topics as listed below. Their forthcoming exam will be in the style of a full Eduqas GCSE exam paper (Question 1-5).

#### **1. The Middle Way (Church Settlement Act of 1559):**

- The problems of religion that Elizabeth inherited
- The differences between the religions of Catholic, Protestant and Puritan
- The features of Elizabeth's Church Settlement Act of 1559 (known as the Middle Way)
- Reactions to the Church Settlement Act within England, and within Europe

#### **2. The Catholic Threat:**

- The problem of Mary, Queen of Scots and various plots against Elizabeth from Catholics
- Analysis of the danger caused by Catholics within and outside of England
- The causes, course, and consequences of the Spanish Armada

#### **3. Elizabeth and her government:**

- Elizabeth's life before she became Queen, her coronation, and reasons for popularity
- The role of the Royal Court, Privy Council, the Privy Councillors, and Local Government roles
- The role of Parliament in Elizabeth's reign

#### **4. Elizabethan society:**

- The Elizabethan social structure; including the lives of the rich, gentry and poor
- The growing problem of unemployment and vagrancy, and government reactions to it

#### **5. Elizabethan Entertainment:**

- Common forms of entertainment in England
- The growth, development, and key features of Elizabethan Theatre

### Skills that will be assessed:

Pupils will be assessed in the following areas:

- Recall of key information and forming judgements.
- Analysing sources – including authorship and purpose of a source.
- Students should learn the exam techniques as set out on their mark schemes for Questions 1-5. This can be found in the back of their History exercise books which should be taken home for revision.

### Resources to use for revision:

- <https://www.bbc.com/bitesize/topics/z3w89qt> - information relevant to the Eduqas unit
- <https://www.bbc.com/bitesize/guides/z88vdmn/revision/2> - exam technique for this paper

### Outline of exam paper:

Pupils will be completing questions from the Eduqas GCSE exam paper consisting of Questions 1-5. Success criteria for answering these questions are outlined in the back of their exercise books. Pupils will benefit from their timed practice of questions in class and homework pieces.

# Modern Foreign Languages (MfL)

TOPIC: *Desconéctate*

## OUTLINE OF THE EXAM

You will have approximately 55 minutes in lesson to listen, read and write about school. You will have to:

- understand people talking about holidays and weather.
- express what you did in the summer using the preterite tense and explain what you will do in the future using the near future tense.
- express your holiday preferences using verbs of opinion.
- describe accommodation using the imperfect tense.
- book accommodation and deal with problems using *usted*.

## SKILLS THAT WILL BE ASSESSED

- Students will be assessed in four different skills: Listening, Reading, Writing and Speaking.
- Speaking will be assessed informally during lessons.

## REVISION AND PREPARATION

- Revise all the vocabulary taught in lessons (<http://www.quizlet.com> and <http://www.memrise.com>)
- Practice listening & reading in Spanish (<http://www.bbc.co.uk/languages/spanish/> and <https://radiolingua.com/coffeebreakspanish/>)

## SUCCESS CRITERIA

### WRITING

- Be able to write a short paragraph to answer the questions, using your own language.
- Be able to translate familiar short phrases. You may make some errors with verbs and occasional errors with more complex structures., but the meaning should be clear.
- Be able to write a short paragraph in the present and the past.
- Be able to write a more extended texts and refer to the past, present and future.

### READING & LISTENING

- Be able to understand and read short familiar phrases.
- Be able to understand and read short passages of familiar language in the present tense.
- Be able to identify main points, opinions & some details from oral and written texts.
- Be able to understand and read short passages of familiar language in the present, past and future tense.

# Art

## ***Recording to support ideas***

Outline of the exam

You will have 3 hours in lesson to select an image which relates to your idea intentions recording it using a media of your choice. This must reflect the style of your chosen artist. You will either draw the object from first hand (secure level) or a photograph (foundation level).

Skills that will be assessed

- Use of delicate and accurate line
- Accurate observation of shape and form
- Wide range and smooth application of tone to show light and dark
- Considered and appropriate media choice reflecting the artists' style

Revision and preparation

- ✓ Research into your chosen artist and their style
- ✓ Practice drawing objects which relate to your theme from first hand sources
- ✓ <http://www.bbc.co.uk/schools/gcsebitesize/art/practicalities/artcraftdesign1.shtml>

Your success criteria is available from your Art teacher.

# Animation

*Recording to support ideas*

Outline of the exam

You will have 3 hours in lesson to select a scene which relates to your idea intentions record it using a media of your choice or the combination of two media. This must reflect the style of your chosen Animator. You will either create your own storyboard for your animation (Secure level) or from a given storyboard(foundation level).

Skills that will be assessed

- Use of delicate, accurate line and essential interpretation of storyboard scene
- Accurate observation of shape, form and meaningful response towards animation techniques and principles.
- Wide range and smooth application of tone to show chiaroscuro and atmospheric perspective.
- Considered and appropriate media choice reflecting the Animator's style

Revision and preparation

- ✓ Research into your chosen Animators and their style
- ✓ Practice drawing animating sceneries which relate to your theme from first hand sources
- ✓ <http://www.bbc.co.uk/schools/gcsebitesize/art/practicalities/artcraftdesign1.shtml>

Your success criteria is available from your Animation teacher.

# Art Graphics

*Recording to support ideas*

Outline of the exam

You will have 3 hours in lesson to select an image which relates to your idea intentions record it using a media of your choice. This must reflect the style of your chosen Artist. You will either draw the object from first hand (Secure level) or a photograph (foundation level).

Skills that will be assessed

- Use of delicate and accurate line
- Accurate observation of shape and form
- Wide range and smooth application of tone to show light and dark
- Considered and appropriate media choice reflecting the Artists' style

Revision and preparation

- ✓ Research into your chosen Artist and their style
- ✓ Practice drawing objects which relate to your theme from first hand sources
- ✓ <http://www.bbc.co.uk/schools/gcsebitesize/art/practicalities/artcraftdesign1.shtml>

Your success criteria is available from your Graphics teacher.

# Photography

*Recording to support ideas*

Outline of the exam

You will have 3 hours in lesson to edit or manually manipulate your images/photographs which relates to your idea intentions and chosen photographer. You will record it using Photoshop and other photography techniques that reflect the style of your chosen Photographer. You will either create 'Sets of Prints' (Foundation level) or a more technical and experimental outcome using layering and digital editing. (Secure level).

Skills that will be assessed

- Use of the digital SLR camera focusing on composition, view point and focal point.
- Experimental use of Photoshop and multiple use of editing, i.e. filters
- Presentation and written annotations/analysis skills.
- Considered and appropriate media choice reflecting the photographer's style

Revision and preparation

- ✓ Research into your chosen Photographer and their style.
- ✓ Analyse the success criteria for Assessment Objective 3 and relate to your work
- ✓ Practice editing using Photoshop or Apps such as 'Snapseed', 'VSCO' and 'Photo Editor by Aviary'.
- ✓ <https://www.gihosoft.com/mobile-tips/best-photo-editing-apps-for-android.html>

Your success criteria is available from your Photography teacher.



# Religious Education

Topics that will be assessed: Islam and Thematic Studies

Pupils will be assessed on aspects of their Religious Studies GCSE course so far.

## Thematic Studies (Paper 2)

Theme D – Religion, Peace and Conflict:

A breakdown of the topics for this unit are listed below

- Forgiveness and Reconciliation,
- Protests, including the use of violence
- Terrorism,
- War, including Holy War and Just War Theory
- Nuclear War,
- Peacekeeping

## Islam (Paper 1)

- Key beliefs; Six Articles of Faith, Five Roots of Shi'a Islam, Tawhid, Angels, the Afterlife
- Authority; Prophethood, the Qur'an and other Holy Books, the Imamate
- Worship; Five Pillars, Shahadah, Salah,
- Duties and Festivals; Zakah (Charity), Sawm (Fasting), Hajj (Pilgrimage) including Eid Ul-Adha, greater and lesser Jihad, Ten Obligatory Acts of Shi'a Islam, Eid-UI-Fitr, Ashura

Skills that will be assessed:

Pupils will be assessed for the following skills:

- Recall of key information, reaching a judgement
- Evaluating viewpoints from Christianity, Islam, and secular (non-religious) views.

Resources to use for revision:

(Ensure that you are choosing the correct thematic topics as listed above)

- <https://www.bbc.com/bitesize/examspecs/zjqx47h>
- <https://www.whitworth.lancs.sch.uk/userimages/Website/Summer%20Term/Y11%20RS%20revision%20booklet.pdf>
- [https://www.youtube.com/watch?v=OQe8aFu\\_tls&list=PLh28g2XmbEbK55rE97NY2dK-kOebzyZDm](https://www.youtube.com/watch?v=OQe8aFu_tls&list=PLh28g2XmbEbK55rE97NY2dK-kOebzyZDm)

Outline of exam paper:

Pupils have the outline of the GCSE exam paper and exam technique in their Religious Studies exercise books. Pupils will have practiced these styles of question both in class and as homework tasks prior to the exam. Revision resources will be given to each pupil in the three weeks prior to the exam, as well as resources added to Show My Homework.

<b>Q1</b>	1 mark	Circle the correct answer.
<b>Q2</b>	2 marks	2 x simple points to answer the question.
<b>Q3</b>	4 marks	2 x developed points to answer the question. They must show two clearly different ideas.
<b>Q4</b>	5 marks	2 x developed points to answer the question. One additional piece of information from own knowledge that refers to scripture (story/quote in holy book/reference to teaching)
<b>Q5</b>	12 marks	2 x arguments that agree 2 x arguments that disagree Final justified judgement

# Drama

Rehearse and refine the mini-play you have been devising in response to your small group's stimulus. You will be marked for AO2 for your performance so use the grid below to plan to meet the higher criteria in your refinement decisions. At this stage you should be injecting your performance work with a variety of techniques that showcase your ability such as physical theatre, creative use of levels and multiple roles to show variation of movement and vocal.

The guidelines for timings are also below. It is important that as you begin to refine, you take this into consideration to add / delete scenes as your marks are significantly compromised if it is under time.

<b>3–4 performance students</b>	<b>5–6 performance students</b>
<b>10-15 minutes</b>	<b>20 -25 minutes</b>

Your success criteria is available from your Drama teacher.

# Computer Science

## ASSESSMENT TOPICS:

### COMPUTATIONAL THINKING (TOPICS 1 & 6):

DECOMPOSITION, ALGORITHMS

DATA TYPES, VARIABLES

INPUT AND INTEGER FUNCTIONS, DEBUGGING TOOLS

FLOWCHARTS

STRING MANIPULATION, STRING METHODS

IF, IF ELSE, RELATIONAL OPERATORS

IF ELIF ELSE, READABILITY

### PRINCIPLES OF COMPUTER SCIENCE (TOPIC 2):

BINARY

UNSIGNED INTEGERS

BINARY ARITHMETIC

TWO'S COMPLEMENT 1

TWO'S COMPLEMENT 2

LOGICAL BINARY SHIFTS

ARITHMETIC BINARY SHIFTS

## SKILLS ASSESSED:

- Demonstrate knowledge and understanding of the key concepts and principles of computer science.
- Apply knowledge and understanding of key concepts and principles of computer science.
- Analyse problems in computational terms:
  - To make reasoned judgements; and
  - To design, program, evaluate and refine solutions.
- Convert between the terms 'bit, nibble, byte, kilobyte (KB), megabyte (MB), gigabyte (GB), terabyte (TB)'
- Write programs in a high-level programming language

## REVISION RESOURCES:

- Pearson's Computer Science Student Book
- Classwork
- Revision Presentation
- <https://www.bbc.co.uk/bitesize/examspecs/zdqy7nb>
- Computer Science Revision Booklet
- Class folders with revision notes

# Physical Education

Students will be sitting the AQA GCSE Physical Education Paper  
The examination consists of a 1 hour 15 minutes written paper.

## The Exam

- The first question will be a multiple choice type question
- The second part of the paper will be short answered questions
- The third part of the paper will be two extended answers (8 Marks)

## Specific PE tips:

- Answer all questions
- Underline key words in the question
- Identify how many marks have been awarded and make that amount of separate points i.e. 3 marks means write 3 answers
- Give specific physical activity examples do not just name a sport i.e. dodging your opponent in Basketball
- Try to answer all questions

## Topics that youll be assessed in:

1. Engagement patterns of social groups.
2. Commercialisation of sport.
3. Ethical and socio-cultural issues.
4. Skill and ability
5. Information Processing Model
6. Types of Feedback

## Revision

- Find the technique which **works best for you!**
- Mind Maps, Revision Cards, Make Notes, Clear layout, Use Highlighters, Use Diagrams, Use Class Notes, GCSE Pod, Revision Guides and Textbooks!
- **Reinforcing your memory – get someone to test you from the notes / cards / mind maps / revision posters**

# Business Studies

## ASSESSMENT TOPICS:

### THEME 1

#### Unit 1.1- Enterprise and entrepreneurship

- The Dynamic Nature of Business
- Risk and Reward
- The Role of Business Enterprise

#### Unit 1.2- Spotting a business opportunity

- Customer Needs
- Market Research
- Market Segment
- The Competitive Environment

## SKILLS ASSESSED:

- Demonstrate knowledge and understanding of business concepts and issues
- Apply knowledge and understanding of business concepts and issues to a variety of contexts
- Analyse and evaluate business information and issues to demonstrate understanding of business activity, make judgements and draw conclusions
- Calculations in a business context
- Interpretation and use of quantitative data in business contexts to support, inform and justify business decisions

## REVISION RESOURCES:

- <https://my.dynamic-learning.co.uk/Default.aspx?ReturnUrl=%2f>
- <http://www.bbc.co.uk/education/subjects/zpsvr82>
- <https://revisionworld.com/gcse-revision/business-studies/edexcel-business-studies/unit-1-introduction-small-business>
- <http://www.tutor2u.net/business/blog/edexcel-gcse-business-unit-1-revision-quiz>
- <http://qualifications.pearson.com/en/support/support-topics/exams/past-papers.html?Qualification-Family=GCSE>
- [Show My Homework \(Revision material\)](#)
- [Exercise books](#)
- [Revision Guides](#)

# I Media

Note for pupils who study I Media.

You will not sit a formal examination. You will be assessed on your attitude in lessons, your classwork and your homework.