



PLATANOS COLLEGE

An outstanding school for
pupils of all abilities

Year 9

Formal Examination Week

Monday 1st July 2019 to Friday 5th July 2019

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. You will line up as you normally would. Year 9 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. Pay attention and ask for help if/when you need it. 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

NOTICE

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, compasses and a working scientific calculator).

English

Pre-Twentieth Century Fiction

Topics:

You will be assessed on an unseen fiction extract. Analyse and evaluate the language used by the writers as well as the structure of the text and how this might affect the readers. You will also be asked to write your own fiction piece, including detailed description and a range of language techniques.

The following skills will be assessed:

Reading:

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 4: Can I evaluate the writer's methods and their effect on the reader?

Writing:

Assessment Objective 5: Can I structure my work effectively using paragraphs and include relevant language features?

Assessment Objective 6: Can I spell a range of advanced vocabulary correctly and use accurate spelling, punctuation and grammar?

What should you do to help you revise?

- BBC Bitesize (website)
- Read other examples of pre-twentieth century fiction
- Use your exercise book

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

You will have a reading exam and a writing exam.

You will be given a fiction extract to analyse and you will be given questions to answer on this extract.

You will be expected to demonstrate the ability to analyse and evaluate the language and structure used in the extract and its impact on the readers.

For the writing exam, you will be assessed on your ability to spell words accurately, use correct grammar and punctuation as well as your ability to use a variety of vocabulary and language devices for effect.

Mathematics

Year 9 Foundation

Paper 1 non calculator, Paper 2 Calculator

- Number - Calculations, Decimal numbers, Place value, Factors and multiples, Squares, cubes and roots, Index notation, Prime factors
- Algebra - Algebraic expressions, Simplifying expressions, Substitution, Formulae, Expanding brackets, Factorising, Using expressions and formulae
- Graphs, tables and charts - Frequency tables, Two-way tables, Representing data, Time series, Stem and leaf diagrams, Pie charts, Scatter graphs, Line of best fit
- Fractions and percentages - Working with fractions, Operations with fractions, Fractions and decimals, Fractions and percentages, Calculating percentages
- Equations, inequalities and sequences - Solving equations, Solving equations with brackets, Introducing inequalities, More inequalities, More formulae, Generating sequences, Using the n th term of a sequence
- Angles - Properties of shapes, Angles in parallel lines, Angles in triangles, Exterior and interior angles, Geometrical patterns
- Averages and range - Mean, mode, median and range, Types of average, Estimating the mean, Sampling
- Perimeter, area and volume - Rectangles, parallelograms and triangles, Trapezia and changing units, Area of compound shapes, Surface area of 3D solids, Volume of prisms, More volume and surface area

Year 9 Higher

Paper 1 non calculator, Paper 2 Calculator

- Number - Number problems and reasoning, Place value and estimating, HCF and LCM, Calculating with powers (indices), Zero, negative and fractional indices, Powers of 10 and standard form, Surds
- Algebra - Algebraic indices, Expanding and factorising, Equations, Formulae, Linear sequences, Non-linear sequences, More expanding and factorising
- Interpreting and representing data - Statistical diagrams, Time series, Scatter graphs, Line of best fit, Averages and range
- Fractions, ratio and percentages - Fractions, Ratios, Ratio and proportion, Percentages, Fractions, decimals and percentages
- Angles and trigonometry - Angle properties of triangles and quadrilaterals, Interior angles of a polygon, Exterior angles of a polygon, Pythagoras' theorem, Trigonometry
- Graphs - Linear graphs, Graphing rates of change, Real-life graphs, Line segments, Quadratic graphs, Cubic and reciprocal graphs
- Area and volume - Perimeter and area, Units and accuracy, Prisms, Circles, Sectors of circles, Cylinders and spheres, Pyramids and cones
- Transformations

Online Revision resources:

1. Mymaths: www.mymaths.com
2. SAM Learning: www.samlearning.com
3. BBC Bitesize KS3: <http://www.bbc.co.uk/education/levels/z4kw2hv>
4. Maths Watch: www.mathswatchvle.com
5. Corbettmaths: www.Corbettmaths.com
6. Mathegenie: www.Mathsgenie.co.uk
7. Piximaths: www.piximaths.co.uk/revision-materials

Equipment needed:

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

Further information:

- Paper 1 is a non-calculator assessment and a calculator is allowed for Paper 2.
- Each paper is 55 minutes long. Each paper has 50 marks.

Science – A and B bands

Topics that will be assessed:

During this term, Year 9 pupils have been studying the topics as listed below. Pupils will be assessed on these topics:

Crude oil and fuels

- Hydrocarbons
- Fractional distillation of oil
- Burning hydrocarbon fuels
- Cracking hydrocarbons

The Earth's atmosphere

- History of our atmosphere
- Our evolving atmosphere
- Greenhouse gases
- Global climate change
- Atmospheric pollutants

Photosynthesis

- Rate of photosynthesis
- How plants use glucose
- Making the most of photosynthesis

Organising animals and plants:

- The blood
- The blood vessels
- The heart
- Helping the heart
- Breathing and gas exchange
- Tissues and organs in plants
- Transport system in plants
- Evaporation and transpiration
- Factors affecting transpiration

Adaptation, interdependence and competition

- The importance of communities
- Organisms in their environment
- Distribution and abundance
- Competition in animals
- Competition in plants
- Adapt and survive
- Adaptation in animals and plants

Energy resources

- Energy demands
- Energy from wind and water
- Power from the sun and the Earth
- Energy and the environment
- Big energy issues

Electric circuits

- Electrical charges and fields
- Current and charge
- Potential difference and resistance
- Component characteristics
- Series and parallel circuits

Electricity in the home

- Alternating current
- Cables and plugs
- Electrical power and potential difference
- Electrical currents and energy transfer
- Appliances and efficiency

***Required practical:** Effect of light intensity on photosynthesis

- **Skills that will be assessed:**

Pupils will be assessed in the following areas:

- Presenting and representing data
- Identifying patterns and relationships and making suitable conclusions.
- Identify and apply the variables in an investigation.
- Use patterns and relationships observed in data to explain the behaviour of the variables in an investigation.

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/>
- <http://freesciencelessons.co.uk/>

Outline of exam paper:

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

<http://www.aqa.org.uk/subjects/science/gcse/science-a-4405/past-papers-and-mark-schemes>

Science – C Band

Topics that will be assessed:

During this term, Year 9 pupils have been studying the topics as listed below. Pupils will be assessed on these topics:

Cell structure and transport: (B1)

- The world of microscope
- Animal and plant cells
- Eukaryotic and prokaryotic cells
- Specialisation in animal cells
- Specialisation in plant cells
- Diffusion
- Osmosis
- Osmosis in plants

C1 Atomic structure: (C1)

- Atoms
- Chemical equations
- Separating mixtures
- Fractional distillation and chromatography
- History of atom
- Structure of an atom
- Ion, atom and isotopes
- Electronic structures

The Periodic Table: (C2)

- Development of the Periodic Table
- Electronic structure and the periodic table
- Group 1- the alkali metals
- Group 7- the halogens
- Explaining trends

Conservation and dissipation of energy: (P1)

- Changes in energy stores
- Conservation of energy
- Energy at work
- Gravitational and kinetic energy
- Kinetic Energy and elastic energy stores
- Energy dissipation

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History

Topics to be assessed: The Elizabethan Age 1558-1601

During this term, Year 9 pupils have been studying the topics listed below. Pupils will be assessed on these topics:

Elizabeth and her government:

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

Elizabethan society:

- The Elizabethan social structure
- The lifestyle of the rich (including houses and fashions)
- The lifestyle of the Gentry and Middle Classes
- The life of the poor and role of poverty
- The growing problem of unemployment and vagrancy
- Government actions to deal with poverty (including the Poor Laws of 1601)

Skills that will be assessed:

Pupils will be assessed on three questions from this GCSE paper. Please see the table below for details:

Q1	4 marks	What can you learn from...	2 x inferences from source A 2x inferences from source B
Q3	12 marks	How significant...	2 x PEE paragraphs Both explaining the significance of the factor asked
Q5	16 marks (+3 SPaG)	How far do you agree with this interpretation...	Short introduction defining any key terms. PEE paragraph using a quote supported by own knowledge (agree) PEE paragraph using a quote supported by own knowledge (disagree) Comment on author/audience/purpose (NOP)

Resources to use for revision:

- <https://www.bbc.com/bitesize/guides/zcwy82p/revision/2>
- <https://www.youtube.com/watch?v=6QQiBA7fUUA> (History Teacher Video series)

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

Modern Foreign Languages (MfL)

TOPIC: *Going on a trip*

OUTLINE OF THE EXAM

You will have approximately 55 minutes in lesson to listen, read and write about going on a trip. You will have to:

- understand how to meet and greet people in Spanish.
- understand people asking or saying what they want to do.
- understand people saying what I/you/we have to do.
- understand the use of the superlative.
- understand people talking about who are they going to buy a souvenir for and what.
- recognise the polite form of address (*tu/usted*).
- understand texts in the present and/or future.

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>)
- Practice listening & reading in Spanish (<http://www.bbc.co.uk/languages/spanish/> and <https://radiolingua.com/coffeebreakspanish/>)

SUCCESS CRITERIA

WRITING

- Be able to write single words from memory.
- Be able to write a sequence of two or three sentences, adapting and extending the example supplied by using different details.
- 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 and/or future tense.

Art

Topic: Object recording

Outline of the exam

You will have 2 hours in lesson to select an object which relates to your idea: 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*
- ✓ *Use your homework project to practice your recording skills*
- ✓ *Practice drawing objects which relate to your theme from first hand sources*
- ✓ *<http://www.bbc.co.uk/education/subjects/z6f3cdm>*

Please see you teacher regarding assessment objectives.

Religious Education

Topics that will be assessed: Christianity

Year 9 pupils have completed four units on Christianity (outlined below). Students will need to revise all topics in their mock exam.

Unit 1 - Key Beliefs:

1. Causation – the idea that the universe has a cause linked to God.
2. Holy Trinity – the Father, Son and Holy Spirit
3. Creation – Religious and Scientific arguments including evolution, creation theory and big bang
4. Life after Death – beliefs about heaven, hell, judgements.

Unit 3 - Worship and Festivals:

1. What are forms of worship in Christianity?
2. How important is prayer? Different types of prayer.
3. Sacraments used in Christianity.
4. Believer's baptism vs. baptism as an infant.
5. The Eucharist – different types of worship and meaning.
6. Pilgrimage – examples and reasons for going on a pilgrimage.
7. Christmas – what is the significance? How is it celebrated?
8. Easter – What is the significance? How is it

Unit 2 - Jesus Christ:

1. The Incarnation – the Son of God took on human form.
2. The Crucifixion – the Death of Jesus.
3. The Resurrection – Jesus' rises from the dead.
4. The Ascension – Jesus' departure into heaven.
5. Sin – understanding what is a sin and how the Ten Commandments show the idea of sin.
6. Salvation – how can Christians atone for their sins?

Unit 4 - The role of the Church:

1. The Church and its work in the local community.
2. Evangelism and the growth of the church.
3. The Church and reconciliation
4. The Church and its work against persecution.

Resources to use for revision:

- <http://www.bbc.co.uk/education/topics/z6bw2hv> - GCSE bitesize with clips on Key beliefs
- <http://world-faiths.com/christianity/> - Revision tests
- <http://resources.edugas.co.uk/Pages/ResourceSingle.aspx?rId=724> – revision notes from the exam board. Check topic areas.

Skills that will be assessed:

- Recalling of key information
- Reaching a judgement
- Extended writing on a theme
- Using religious teachings to understand points of view

Outline of exam paper:

Students will complete two exam sections. Each section comprises of the following questions.

Question 1	Recall of knowledge (circle correct answer)	1 mark
Question 2	Give two examples... (demonstrate knowledge)	2 marks
Question 3	Explain two ways... (two explained points showing similarities or differences)	4 marks
Question 4	Explain two religious teachings... (two explained points linked to religious teaching)	5 marks
Question 5	Mini-essay (Introduction, agree and disagree with statement, conclusion.)	12 marks

Drama

For your exam you will be writing an analysis and evaluation of a performance you gave this half term. You will not be marked for your actual performance this time. Instead, you will be marked for AO4. There are 15 marks available and for the time given you should fill both sides of lined A4 with your writing for average sized handwriting. You will be asked to write under two sub-headings listed below:-

How effective was your contribution to the final performance?

For this you should analyse and evaluate your acting in the performance. You should also evaluate how well you contributed to the ideas, the development of the plot, refining and uses of strategies.

Were you successful in what you set out to achieve?

For this you need to reflect specifically on what you wanted the audience to learn from the performance and evaluate and analyse how far this was satisfied.

Physical Education

Which technique should I use?

Find the technique which **works best for you!**

Mind Maps, Make Notes, Clear layout, Use Highlighters, Use Diagrams, Revision Guides and Textbooks!

Watch sporting activities!

Helpful websites – www.s-cool.co.uk - www.teachpe.com - www.bbc.co.uk/bitesize

You will be assessed in your ability to:

**Students will be sitting the AQA GCSE Physical Education Paper
o 1 hour written paper**

The Exam

- The first questions 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 ie 3 marks means write 3 answers
- Give specific physical activity examples do not just name a sport ie dodging your opponent in Basketball
- Try to answer all questions

Things you should know

- Performance Enhancing Drugs
- Components of fitness
- Types of training
- Classifications of skill
- Motivation and Aggression
- Information Processing Model
- Arousal levels in sport
- Diet and Nutrition
- Somatotyping