



**PLATANOS COLLEGE**

An outstanding school for  
pupils of all abilities

**Year 9**

**Formal Examination Week**

**Monday 25<sup>th</sup> February 2019 to Friday 1<sup>st</sup> March 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 be effective. It is not.

## **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, e.g. 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

## Relationship Poetry

### Topics:

You will be assessed on poetry about relationships. Think about the context of the poems as well as how the writers use language, devices and structural features to affect the readers.

### Skills:

The following skills will be assessed:

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

**Assessment Objective 3:** Can I Compare writers' ideas and perspectives, how these are conveyed, across two or more texts?

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

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

- BBC Bitesize (website)
- Read other examples of conflict poetry
- Use your exercise book

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

You will be given two poems to analyse and you will be given questions to answer on those poems.

You will be expected to demonstrate the ability to analyse and compare the language and structure used in the poems.

You will also be assessed on your ability to comment on the context of the poems and how this may have affected the choices of the poets.

# Mathematics

Higher Tier	Foundation Tier
<ul style="list-style-type: none"><li>• Ratio and proportion</li><li>• Surds</li><li>• Forming and solving equations</li><li>• Circles</li><li>• Volume of prisms</li><li>• Pythagoras' theorem</li><li>• Transformations</li><li>• Similarity</li><li>• Averages from grouped frequency tables</li><li>• Frequency diagrams and frequency polygons</li></ul>	<ul style="list-style-type: none"><li>• Calculator techniques</li><li>• Solving word problems in context</li><li>• Ratio and proportion</li><li>• Forming and solving equations</li><li>• substitution</li><li>• Distance time graphs</li><li>• Area of compound shapes</li><li>• Angle properties</li><li>• Averages from frequency tables</li></ul>

## 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 – Band A (Double Award)

## 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:

<b>C1 Atomic structure: (C1)</b>	<b>The Periodic Table: (C2)</b>	<b>Energy transfer by heating:</b>	<b>Organisation and the digestive system:</b>
<ul style="list-style-type: none"><li>• Atoms</li><li>• Chemical equations</li><li>• Separating mixtures</li><li>• Fractional distillation and chromatography</li><li>• History of atom</li><li>• Structure of an atom</li><li>• Ion, atom and isotopes</li><li>• Electronic structures</li></ul>	<ul style="list-style-type: none"><li>• Development of the Periodic Table</li><li>• Electronic structure and the periodic table</li><li>• Group 1- the alkali metals</li><li>• Group 7- the halogens</li><li>• Explaining trends</li></ul>	<ul style="list-style-type: none"><li>• Energy transfer by conduction</li><li>• Specific heat capacity</li><li>• Heating and insulating buildings</li></ul>	<ul style="list-style-type: none"><li>• Tissues and organs</li><li>• The human digestive system</li><li>• The chemistry of food</li><li>• Catalysts and enzymes</li><li>• Factors affecting enzyme action</li><li>• How the digestive system works</li><li>• Making digestion efficient</li></ul>

## 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 – Band A (Triple Award)

## 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:

C1 Atomic structure: (C1)	The Periodic Table: (C2)	Energy transfer by heating:	Energy resources:	Organisation and the digestive system:
<ul style="list-style-type: none"> <li>• Atoms</li> <li>• Chemical equations</li> <li>• Separating mixtures</li> <li>• Fractional distillation and chromatography</li> <li>• History of atom</li> <li>• Structure of an atom</li> <li>• Ion, atom and isotopes</li> <li>• Electronic structures</li> </ul>	<ul style="list-style-type: none"> <li>• Development of the Periodic Table</li> <li>• Electronic structure and the periodic table</li> <li>• Group 1- the alkali metals</li> <li>• Group 7- the halogens</li> <li>• Explaining trends</li> <li>• <i>The transition metals (TR)</i></li> </ul>	<ul style="list-style-type: none"> <li>• Energy transfer by conduction</li> <li>• Specific heat capacity</li> <li>• Heating and insulating buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Energy demands</li> <li>• Energy from wind and water</li> <li>• Power from the sun and the earth</li> <li>• Energy and the environment</li> <li>• Big energy issues</li> </ul>	<ul style="list-style-type: none"> <li>• Tissues and organs</li> <li>• The human digestive system</li> <li>• The chemistry of food</li> <li>• Catalysts and enzymes</li> <li>• Factors affecting enzyme action</li> <li>• How the digestive system works</li> <li>• Making digestion efficient</li> </ul>

## 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 – Band B (Double Award)

## 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:

<b>C1 Atomic structure: (C1)</b>	<b>Energy transfer by heating:</b>	<b>Organisation and the digestive system:</b>	<b>Cell division:</b>
<ul style="list-style-type: none"><li>• Atoms</li><li>• Chemical equations</li><li>• Separating mixtures</li><li>• Fractional distillation and chromatography</li><li>• History of atom</li><li>• Structure of an atom</li><li>• Ion, atom and isotopes</li><li>• Electronic structures</li></ul>	<ul style="list-style-type: none"><li>• Energy transfer by conduction</li><li>• Specific heat capacity</li><li>• Heating and insulating buildings</li></ul>	<ul style="list-style-type: none"><li>• Tissues and organs</li><li>• The human digestive system</li><li>• The chemistry of food</li><li>• Catalysts and enzymes</li><li>• Factors affecting enzyme action</li><li>• How the digestive system works</li><li>• Making digestion efficient</li></ul>	<ul style="list-style-type: none"><li>• Cell Division</li><li>• Growth and differentiation</li><li>• Stem cells</li><li>• Stem cells dilemmas</li></ul>

## 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>

# History

## Topics that will be assessed: The Second World War

During this term, Year 9 pupils have been studying the causes, course and end of the Second World War. Pupils should focus their revision on the following key areas:

1. The Treaty of Versailles.
2. The fairness of the Treaty of Versailles
3. The impact of the Treaty of Versailles on Germany.
4. The Rise of Hitler.
5. Appeasement.
6. Key Techniques and Battles in WW2 e.g. Blitzkrieg, Dunkirk, The Battle of Britain, The Battle of the Atlantic, Stalingrad, D-Day and The Battle for Berlin.
7. The Blitz.
8. Evacuation.
9. Women in WW2.

## Skills that will be assessed:

Pupils will be assessed in the following areas:

- Recalling of knowledge learnt in class and as part of homework tasks.
- Analysis and evaluation of a source as evidence (including authorship)
- Creating conclusions and reaching judgements.
- Extended writing on a theme using formal language and style.

## Resources to use for revision:

- <https://www.bbc.com/bitesize/topics/z94cwmn> - BBC Bitesize includes videos, quizzes and information to read on the Treaty of Versailles
- <https://www.bbc.com/bitesize/guides/z9s9q6f/revision/1> - BBC Bitesize includes videos, quizzes and information to read on WW2.
- <https://www.kqed.org/mindshift/28013/6-videos-that-help-students-understand-world-war-ii> - includes videos on key events in WW2.

## Outline of exam paper:

As this is a new specification, there are no past papers and limited practice exam questions. The exam will consist of three questions:

1. A 5 mark question – give four facts about a given topic.
2. A 11 mark question – analyse a source and it's authorship for usefulness.
3. A 16 mark question – a two sided mini-essay debating the accuracy and reliability of an interpretation.

# Modern Foreign Languages (MfL)

**TOPIC:** *En forma*

- You will have approximately 50 minutes in lesson to **listen, read** and **write** about healthy lifestyle. You will have to:
- Say what **food and drinks** you like or don't like .
- Say what **sports you prefer** and how often you do/play them.
- Agree or disagree** with advice using ***se debe*** or ***no se debe***.
- Give a presentation about **fitness and routine**.
- Understand texts in the **present, past** (preterite) ,**near future and conditional** tenses.

## 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/>)

## 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 sentences. You may make some minor errors with verbs, but the meaning should be clear.
- Be able to write a short paragraph in the present and the past.
- Be able to write 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/or future tense.

# Art

## *Object recording*

### Outline of the exam

You will have 2 hours in lesson to select an object 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
- ✓ 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>

Your success criteria is available from your Art teacher.

# Religious Education

## Topics that will be assessed: Christianity

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

### **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.

### **Jesus Christ:**

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

## Skills that will be assessed:

Pupils will be assessed in the following areas:

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

## 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 against those above.

## Outline of exam paper:

Mark schemes have been given to each student, and teachers will disseminate a revision pack of questions before the exams.

# Drama

You will be examined on a reflection report about the Theatre in Education play you will have devised and shown.

You will have 45 minutes to write a report and be marked according to the GCSE AO4 criteria.

**You will be marked on:**

- 1) How well you analyse and evaluate your contributions to the devising
- 2) How well you analyse and evaluate your decisions about content, genre, structure, character, form, style and language.
- 3) How well you analyse and evaluate your own performance in the final play.
- 4) How well you analyse and evaluate the extent to which you met your creative intentions in the final play.

You will be able to take a single sheet of notes with you into your exam so preparing notes covering the above 4 areas is the best way to prepare for your exam.

# 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!

**Reinforcing your memory – get someone to test you from the notes / cards / mind maps / revision posters**

Helpful websites – [www.s-cool.co.uk](http://www.s-cool.co.uk) - [www.teachpe.com](http://www.teachpe.com) - [www.bbc.co.uk/bitesize](http://www.bbc.co.uk/bitesize)

### You will be assessed in your ability to:

#### Developing:

Explain how the body reacts during different types of activity and why physical activity is an essential component of a healthy lifestyle.

Select and combine skills, techniques and ideas and apply them accurately and appropriately.

#### Secure:

Understand how the different components of fitness affect performance and explain how different types of exercise contribute to your fitness and health.

Perform with consistent precision, control and fluency.

Select and combine skills, techniques and ideas and use them in changing circumstances.

#### Extending:

Explain the benefits of regular physical activity on physical, mental and social wellbeing.

Consistently show precision, control, fluency and originality.

Select and combine advanced skills, techniques and ideas adapting them in increasingly complex situations.

#### **Can you.....**

Name the components of fitness and their tests?

Explain the difference between aerobic and anaerobic respiration?

### Things you should also know

- Principles of training
- Types of Training
- Components of Fitness and the associated tests
- Components of fitness require for specific sporting activity

# Computer Science

## **ASSESSMENT TOPICS:**

- Strings and variables
- Data types and arithmetic
- Selection
- Writing algorithms
- While loops
- Searching

## **SKILLS ASSESSED:**

- Writing programs in a high-level programming language.
- Understand how to code an algorithm in a high-level language.
- Understand the need for, and understand how to use, data types (integer, real, Boolean, char)
- Understand the purpose of, and how to use, arithmetic operators.

## **REVISION RESOURCES:**

- Python
- Python tutorials
- <http://www.bbc.co.uk/education/guides/zc6s4wx/revision>
- <http://www.bbc.co.uk/education/guides/zc4bb9q/revision>
- <http://www.bbc.co.uk/education/guides/z4tf9j6/revision>
- BBC Bitesize