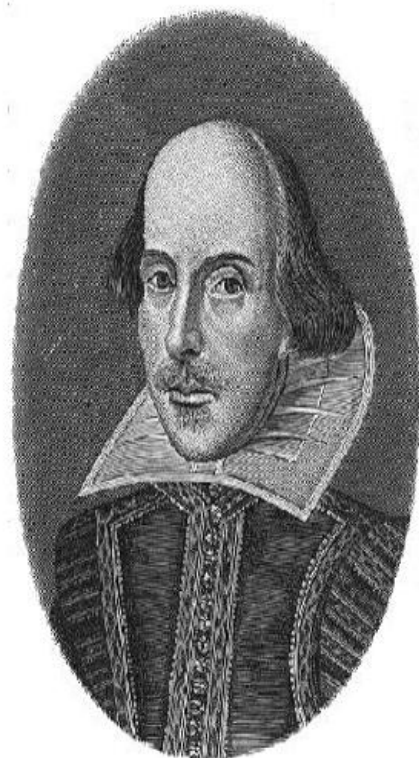




# Departmental tips for maximising achievement in Key Stage 4 2015-17





*"It is not in the stars to hold our  
destiny but in ourselves."*

*- William Shakespeare*

## Resources



## A HELPFUL GUIDE TO: GCSE ENGLISH AND ENGLISH LITERATURE



## English Language

English Language is assessed 100% through examination at the end of Year 11.

Students will sit two exams:

- Paper 1: Explorations in Creative Reading and Writing.
- Paper 2: Writers' Viewpoints and Perspectives.

Each exam is worth 50% of their final grade.

There will also be a separately endorsed speaking and listening component.

### Key Skills

For English Language, students are expected to:

- Write accurately and imaginatively in both creative and non-fiction style texts.
- Read and analyse fiction and non-fiction texts from the 19th, 20th and 21st century.

## English Literature

English Literature is assessed 100% through examination at the end of Year 11.

Students will sit two exams:

- Paper 1: Shakespeare and the 19th-century novel.
- Paper 2: Modern texts and poetry.

Paper 1 is worth 40% of the final grade. Paper 2 is worth 60% of the final grade.

### Key Skills

For English Literature, students are expected to:

- Analyse prose and drama by looking at short extracts and whole texts.
- To offer analysis of taught poetry and make comparisons between unseen poetry.



## Steps to success:

Students are encouraged to use different resources to help their understanding:

1. Use the library: read...read...and read!
2. Buy a copy of 'The Strange Case of Dr Jekyll and Mr Hyde.' for the Autumn Term.
3. Revision books are great, such as York Notes and AQA Workbooks.
4. Have the right equipment in lessons: highlighters are essential for English!
5. Access our Departmental Website for resources.
6. Use other websites such as:

Sparknotes, shmoop, and BBC Bitesize for English Literature and BBC Skillswise for English Language.

## Contact Us

**Mrs H Fullard (Head of English)**

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**Miss L Neasham (KS4 Lead Teacher)**

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01480 375 700 (EXT: 5759)



# key stage 4

## How to get KS4 exam success in Mathematics

- All students will sit the new 2015 specification AQA examination at the end of year 11.
- Two tiers of entry: Higher 4 - 9 and Foundation 1 – 5. Grade 4 is the equivalent of a good pass.
- The exams are three 1 hour 30 minute papers at the end of year 11

Paper 1 (Non-Calculator) & Paper 2 (Calculator) & Paper 3 (Calculator)

- Six areas of maths:
  - Number
  - Ratio and proportion
  - Geometry
  - Algebra
  - Statistics
  - Probability
- In these assessments, students will face problem solving questions involving any number of the above topic areas.

| Topic Area                            | Foundation Tier (%) | Higher Tier (%) |
|---------------------------------------|---------------------|-----------------|
| Number                                | 25                  | 15              |
| Algebra                               | 20                  | 30              |
| Ratio                                 | 25                  | 20              |
| Geometry                              | 15                  | 20              |
| Probability and statistics (combined) | 15                  | 15              |

Above is a table outlining the weighting of each of the topic areas.



There is a greater emphasis on students learning formulae. Below is a list of just a few crucial formulae that students will no longer be given in an exam like in previous years:

1. Students are expected to know the following formulae included in the subject content; they will **not** be given in the exam. Refer to the Subject content section to determine the tier at which these formulae could be used.

### The quadratic formula

The solutions of  $ax^2 + bx + c = 0$ , where  $a \neq 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

### Circumference and area of a circle

Where  $r$  is the radius and  $d$  is the diameter:

Circumference of a circle  $= 2\pi r = \pi d$

Area of a circle  $= \pi r^2$

### Pythagoras' theorem

In any right-angled triangle where  $a$ ,  $b$  and  $c$  are lengths of the sides and  $c$  is the hypotenuse:

$$a^2 + b^2 = c^2$$

### Trigonometry formulae

In any right-angled triangle  $ABC$  where  $a$ ,  $b$  and  $c$  are lengths of the sides and  $c$  is the hypotenuse:

$$\sin A = \frac{a}{c}, \cos A = \frac{b}{c}, \tan A = \frac{a}{b}$$

In **any** triangle  $ABC$  where  $a$ ,  $b$  and  $c$  are lengths of the sides:

$$\text{sine rule: } \frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\text{cosine rule: } a^2 = b^2 + c^2 - 2bc \cos A$$

$$\text{Area} = \frac{1}{2}ab \sin C$$

### Kinematics formulae

Where  $a$  is constant acceleration,  $u$  is initial velocity,  $v$  is final velocity,  $s$  is displacement from the position when  $t = 0$  and  $t$  is time taken:

$$v = u + at$$

$$s = ut + \frac{1}{2}at^2$$

$$v^2 = u^2 + 2as$$

The above is an extract from the AQA 2015 specification found:

<http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300>



Revision is made as easy as 1...2...3... using the resources available on our Maths Website

## PiXL Maths App (PMA)

The PMA is a diagnostic tool that accurately strengths and weaknesses in your child's knowledge. Built into the tool and alongside questions are tutorial videos for every skill to child close the gap. Once the videos have watched, students can then reassess with a similar question with different

Revision link: <http://mathsapp.pixl.org.uk>

## Revision tools

Following on from the PMA and the use of Therapy and Testing (DTT), revision webpage website offers a range of different revision past papers. On this page, students will also the predicted papers that are produced as a to what will be on the summer 2016 papers. predicted papers are generally spot-on. The made available a few weeks in advance of the the second within 36 hours of the first being

Revision link:

<http://www.hinchingbrookeschool.co.uk/maths/Edexcelpastpapers.html>

**PiXLmaths**  
patterns in excellence Copyright © 2015 The PiXL Club. Designed by Matthew Woodhouse


Therapy videos

Back to menu Mark all

### Sequences

Question 1 of 1

Here is a pattern roughly made using matchsticks:



How many matchsticks will there be in pattern 5?

What is the next term in each of the following sequences?

4, 8, 16, 32, ...  1, 4, 9, 16, ...

3, 6, 9, 12, ...  1, 4, 5, 9, 14, ...

Here is a sequence: 8, 12, 16, 20, ...

Calculate the 100th term in the sequence.

identifies  
Maths  
the diagnosis  
help your  
been  
themselves  
numbers.


## REVISION

If you have any questions about the following revision techniques, please speak to your teacher or come and find Mr Woodfine or Mr Bennett in the Mathematics department

### TECHNIQUE 1

| DIAGNOSE ISSUES   | THERAPY  | TESTING   |
|---|--|---|
|                          |                              |    |
| Select a mock paper from the options below. Here the June higher 2011 paper has been chosen. Complete it. | Watch a "walking talking mock" available on YouTube that will direct you through a paper and target any issues | Select another paper from the list below to check that similar questions that were an issue before, are no longer a problem |

### TECHNIQUE 2

| DIAGNOSE ISSUES   | THERAPY  | TESTING   |
|---|--|---|
|  |  |  |

Diagnosis,  
on our  
strategies and  
have access to  
best guess as  
These  
first paper is  
first paper and  
sat.

# WHAT IS THE BEST WAY TO REVISE MATHS?

Practice papers in Maths are probably the best way to revise.

Complete as many as possible.

Learn from any mistakes by looking through the mark schemes or watching walking talking mocks.

Use the MathsWatch videos to rectify any issues with Maths knowledge:

<http://www.hinchingbrookeschool.co.uk/mathswatch/ks3%20maths%20watch.html>

Username: mathswatch Password: maths2012

Use the PMA to identify any additional areas that require support and use the therapy videos to close the gap.

## WHAT IF THESE RESOURCES AREN'T FOR ME?

**MyMaths:** <http://www.mymaths.co.uk>

Mymaths is a classic way of practising key website also has tutorials to assist with any problems.



skills. The highlighted

**Kerboodle:** <http://www.kerboodle.com>

This is the online version of the school's and allows students to access everything



textbooks from home.

**Hinchingbrooke:**

<http://www.hinchingbrookeschool.co.uk/maths/mathshome.html>



The website offers the following:

Revision cards

Revision schedule

Revision guide

Grade descriptors

papers Topic worksheets

Powerpoints

Electronic videos

Podcasts

Past

If required: login = mathswatch

password = maths2012



Inspiring excellence  
Fulfilling potential

# Triple Science at Hinchingsbrooke School



We follow the AQA triple Science suite of Biology, Chemistry and Physics. All the examinations will take place in the May/June 2017 season.

There are several publications that are available to buy which can help support the learning of each of these GCSEs. Indicated below are an example of the revision books and class book available for each course.

## Biology

Exam board: **AQA**

Course code: **4401**

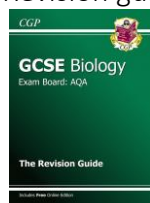
Exam codes (3 written exams in total):

**BL1HP**

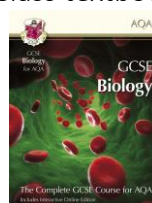
**BL2HP**

**BL3HP**

Revision guide



Class textbook



## Chemistry

Exam board: **AQA**

Course code: **4402**

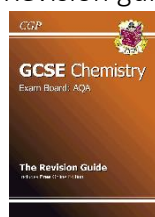
Exam codes (3 written exams in total):

**CH1HP**

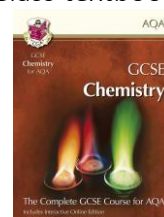
**CH2HP**

**CH3HP**

Revision guide



Class textbook



## Physics

Exam board: **AQA**

Course code: **4403**

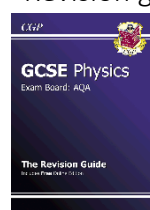
Exam codes (3 written exams in total):

**PH1HP**

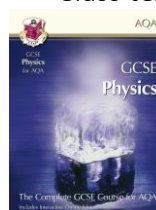
**PH2HP**

**PH3HP**

Revision guide



Class textbook



For each of the GCSEs each examination is worth 25% of the final grade. All students before they leave on study leave would have completed the final 25% of the grade in the form of an ISA (the in school coursework equivalent). The ISA will appear on examination entries as BL4P, CH4P and PH4P but do not require any external examination to be sat.

In preparation for the examinations it is vital that the students take all opportunities to revise the content of the examinations and practice applying their knowledge to past papers. Listed below are the website addresses to the specifications, past papers and useful revision sites.

#### **GCSE science specifications:**

**Biology** : <http://filestore.aqa.org.uk/subjects/AQA-BIOL-W-SP-14.PDF>

**Chemistry**: <http://filestore.aqa.org.uk/subjects/AQA-4402-W-SP-14.PDF>

**Physics**: <http://filestore.aqa.org.uk/subjects/AQA-PHYS-W-SP-14.PDF>

#### **Past papers**

**Biology** : <http://www.aqa.org.uk/subjects/science/gcse/biology-4401/past-papers-and-mark-schemes>

**Chemistry**: <http://www.aqa.org.uk/subjects/science/gcse/chemistry-4402/past-papers-and-mark-schemes>

**Physics**: <http://www.aqa.org.uk/subjects/science/gcse/physics-4403/past-papers-and-mark-schemes>

#### **Understanding the command words**

This is a link to a useful document provided by AQA which explains the words used in the actual questions and what they are asking for in the examinations

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-COMMAND-WORDS.PDF>

#### **Maximising marks when answering extended questions**

One area of the examinations all students can benefit from practicing is the 6 mark long answer questions. Below is a link to a guide on how to answer them:

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-QWC.PDF>

#### **Understanding and using the correct scientific terminology.**

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-GLOSSARY.PDF>

#### **Other useful revision sites:**

- <http://www.bbc.co.uk/schools/gcsebitesize>
- <http://www.s-cool.co.uk>
- <http://www.chemguide.co.uk/>
- <http://www.creative-chemistry.org.uk/>
- <http://www.samlearning.co.uk>

- If you have any questions on anything that was discussed during the evening, please do not hesitate to contact either Rhi Alford **[RSA@hinchbk.cambs.sch.uk](mailto:RSA@hinchbk.cambs.sch.uk)** , Zara Patrick **[ZEP@hinchbk.cambs.sch.uk](mailto:ZEP@hinchbk.cambs.sch.uk)** or Sam Waring **[SMW@hinchbk.cambs.sch.uk](mailto:SMW@hinchbk.cambs.sch.uk)**.
- If you ever need to contact a member of the Science department please find below the contact details of the Year 10 Science team.

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| Mrs Alford   | <a href="mailto:RSA@hinchbk.cambs.sch.uk">RSA@hinchbk.cambs.sch.uk</a> |
| Ms Patrick   | <a href="mailto:ZEP@hinchbk.cambs.sch.uk">ZEP@hinchbk.cambs.sch.uk</a> |
| Miss Mortune | <a href="mailto:SMM@hinchbk.cambs.sch.uk">SMM@hinchbk.cambs.sch.uk</a> |
| Mrs Waring   | <a href="mailto:SMW@hinchbk.cambs.sch.uk">SMW@hinchbk.cambs.sch.uk</a> |
| Mrs Blick    | <a href="mailto:NMB@hinchbk.cambs.sch.uk">NMB@hinchbk.cambs.sch.uk</a> |
| Mrs Cameron  | <a href="mailto:LEC@hinchbk.cambs.sch.uk">LEC@hinchbk.cambs.sch.uk</a> |
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| Mr Nance     | <a href="mailto:STN@hinchbk.cambs.sch.uk">STN@hinchbk.cambs.sch.uk</a> |
| Mrs Olson    | <a href="mailto:ECO@hinchbk.cambs.sch.uk">ECO@hinchbk.cambs.sch.uk</a> |
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| Dr Rens      | <a href="mailto:WR@hinchbk.cambs.sch.uk">WR@hinchbk.cambs.sch.uk</a>   |
| Miss Renshaw | <a href="mailto:SER@hinchbk.cambs.sch.uk">SER@hinchbk.cambs.sch.uk</a> |
| Mr West      | <a href="mailto:RCW@hinchbk.cambs.sch.uk">RCW@hinchbk.cambs.sch.uk</a> |



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# OCR Double Science at Hinchingsbrooke School

Science Sets  
10T/Sc7 & 10S/Sc7

All of the sets on the front are following the OCR 21<sup>st</sup> Century Science and OCR 21<sup>st</sup> Century Additional Science courses. All the examinations will take place in the May/June 2017 season.

There are several publications that are available to buy which can help support the learning of each of these GCSEs. Indicated below are an example of the revision books and class book available for each course.

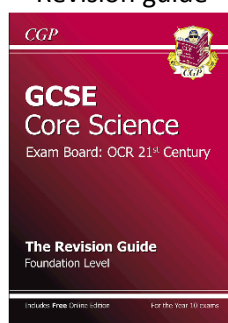
### Science A

Exam board: **OCR**

Course code: **J241**

Exam codes (3 exams in total):           **A161**                      **A171**                      **A181**

#### Revision guide



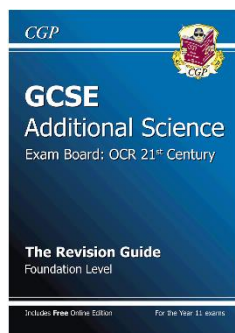
### Additional Science

Exam board: **OCR**

Course code: **J242**

Exam codes (3 exams in total):           **A162**                      **A172**                      **A182**

#### Revision guide



For each of the GCSEs each examination is worth 25% of the final grade. All students before they leave on study leave would have completed the final 25% of the grade in the form of controlled assessment. This comprises of a practical data analysis and a case study on a topical issue in Science. These will be assessed by teachers in school and then externally moderated by OCR. There will be one controlled assessment for each of the GCSEs sat.

When you receive your exam entries for next year A144 and A154 will appear. These are the codes for the controlled assessment and so do not have a written examinations associated with them.



In preparation for the examinations it is vital that the students take all opportunities to revise the content of the examinations and practice applying their knowledge to past papers. Listed below and on the back of this page are the website addresses to the specifications, past papers and useful revision sites.

**GCSE science specifications:**

**Science:** <http://www.ocr.org.uk/Images/82529-specification.pdf>

**Additional Science:** <http://www.ocr.org.uk/Images/82525-specification.pdf>

**Past papers**

**Science A**

<http://www.ocr.org.uk/qualifications/gcse-twenty-first-century-science-suite-science-a-j241-from-2012/>

**Additional Science**

<http://www.ocr.org.uk/qualifications/gcse-twenty-first-century-science-suite-additional-science-a-j242-from-2012/>

**Understanding the command words**

This is a link to a useful document provided by AQA which explains the words used in the actual questions and what they are asking for in the examinations

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**Other useful revision sites:**

- <http://www.bbc.co.uk/schools/gcsebitesize>
- <http://www.s-cool.co.uk>
- <http://www.chemguide.co.uk/>
- <http://www.creative-chemistry.org.uk/>
- [www.samlearning.co.uk](http://www.samlearning.co.uk)

If you have any questions on anything that was discussed during the evening, please do not hesitate to contact either Rhi Alford **[RSA@hinchbk.cambs.sch.uk](mailto:RSA@hinchbk.cambs.sch.uk)** or Zara Patrick **[ZEP@hinchbk.cambs.sch.uk](mailto:ZEP@hinchbk.cambs.sch.uk)**

If you ever need to contact a member of the Science department please find below the contact details of the Year 10 Science team.

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| Miss Renshaw | <a href="mailto:SER@hinchbk.cambs.sch.uk">SER@hinchbk.cambs.sch.uk</a> |
| Mr West      | <a href="mailto:RCW@hinchbk.cambs.sch.uk">RCW@hinchbk.cambs.sch.uk</a> |



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# Hinchingsbrooke Science Department AQA Science & Additional Science

We are following the AQA Science and AQA Additional Science course here at Hinchbrook. All the examinations will take place in the May/June 2017 season.

There are several publications that are available to buy which can help support the learning of each of these GCSEs. Indicated below are an example of the revision books and class book available for each course.

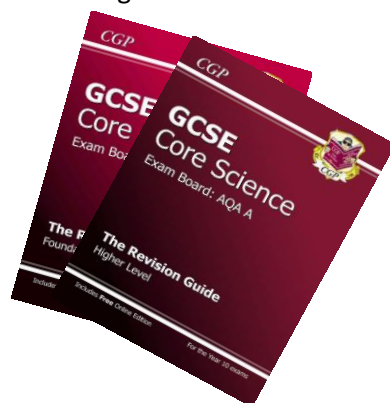
### Science A

Exam board: **AQA**

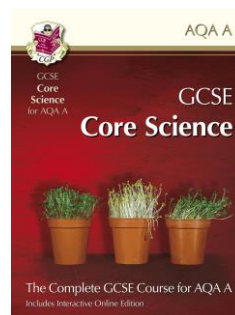
Course code: **4405**

Exam codes (3 exams in total): **BL1HP** **CH1HP** **PH1HP**

Revision guide



Class textbook



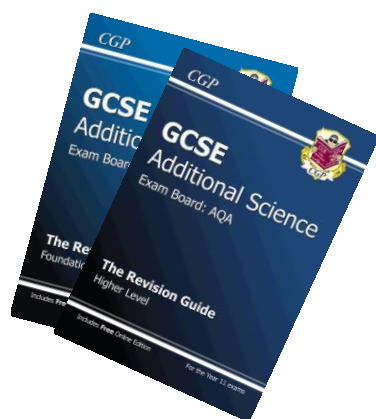
### Additional Science

Exam board: **AQA**

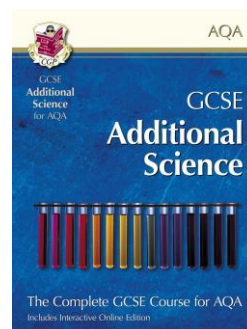
Course code: **4408**

Exam codes (3 exams in total): **BL2HP** **CH2HP** **PH2HP**

Revision guide



Class textbook



For each of the GCSEs each examination is worth 25% of the final grade. All students before they leave on study leave would have completed the final 25% of the grade in the form of an ISA (the in school coursework equivalent). The ISA will appear on examination entries as SC4P and AS4P but do not require any external examination to be sat.

In preparation for the examinations it is vital that the students take all opportunities to revise the content of the examinations and practice applying their knowledge to past papers. Listed below and on the back of this page are the website addresses to the specifications, past papers and useful revision sites.

**GCSE science specifications:**

**Science:** <http://filestore.aqa.org.uk/subjects/AQA-4405-W-SP-14.PDF>

**Additional Science:** <http://filestore.aqa.org.uk/subjects/AQA-SP-14.PDF>

**Past papers**

**Science A**

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

**Additional Science**

<http://www.aqa.org.uk/subjects/science/gcse/additional-science-4408/past-papers-and-mark-schemes>

**Understanding the command words**

This is a link to a useful document provided by AQA which explains the words used in the actual questions and what they are asking for in the examinations

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-COMMAND-WORDS.PDF>

**Maximising marks when answering extended questions**

One area of the examinations all students can benefit from practicing is the 6 mark long answer questions. Below is a link to a guide on how to answer them:

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-QWC.PDF>

**Understanding and using the correct scientific terminology.**

<http://filestore.aqa.org.uk/subjects/AQA-GCSE-SCIENCE-GLOSSARY.PDF>

**Other useful revision sites:**

- <http://www.bbc.co.uk/schools/gcsebitesize>
- <http://www.s-cool.co.uk>
- <http://www.chemguide.co.uk/>
- <http://www.creative-chemistry.org.uk/>
- [www.samlearning.co.uk](http://www.samlearning.co.uk)



If you have any questions on anything that was discussed during the evening, please do not hesitate to contact either Rhi Alford **[RSA@hinchbk.cambs.sch.uk](mailto:RSA@hinchbk.cambs.sch.uk)** or Zara Patrick **[ZEP@hinchbk.cambs.sch.uk](mailto:ZEP@hinchbk.cambs.sch.uk)**

If you ever need to contact a member of the Science department please find below the contact details of the Year 10 Science team.

|              |  |
|--------------|--|
| Mrs Alford   | <a href="mailto:RSA@hinchbk.cambs.sch.uk">RSA@hinchbk.cambs.sch.uk</a> |
| Ms Patrick   | <a href="mailto:ZEP@hinchbk.cambs.sch.uk">ZEP@hinchbk.cambs.sch.uk</a> |
| Miss Mortune | <a href="mailto:SMM@hinchbk.cambs.sch.uk">SMM@hinchbk.cambs.sch.uk</a> |
| Mrs Waring   | <a href="mailto:SMW@hinchbk.cambs.sch.uk">SMW@hinchbk.cambs.sch.uk</a> |
| Mrs Blick    | <a href="mailto:NMB@hinchbk.cambs.sch.uk">NMB@hinchbk.cambs.sch.uk</a> |
| Mrs Cameron  | <a href="mailto:LEC@hinchbk.cambs.sch.uk">LEC@hinchbk.cambs.sch.uk</a> |
| Mr deRibello | <a href="mailto:PDR@hinchbk.cambs.sch.uk">PDR@hinchbk.cambs.sch.uk</a> |
| Mrs Triggs   | <a href="mailto:HMT@hinchbk.cambs.sch.uk">HMT@hinchbk.cambs.sch.uk</a> |
| Mr Hacking   | <a href="mailto:SJH@hinchbk.cambs.sch.uk">SJH@hinchbk.cambs.sch.uk</a> |
| Mr Hall      | <a href="mailto:WZH@hinchbk.cambs.sch.uk">WZH@hinchbk.cambs.sch.uk</a> |
| Mrs Hodgson  | <a href="mailto:JH@hinchbk.cambs.sch.uk">JH@hinchbk.cambs.sch.uk</a>   |
| Mrs Maynard  | <a href="mailto:REM@hinchbk.cambs.sch.uk">REM@hinchbk.cambs.sch.uk</a> |
| Mr Nance     | <a href="mailto:STN@hinchbk.cambs.sch.uk">STN@hinchbk.cambs.sch.uk</a> |
| Mrs Olson    | <a href="mailto:ECO@hinchbk.cambs.sch.uk">ECO@hinchbk.cambs.sch.uk</a> |
| Miss Pamplin | <a href="mailto:EMP@hinchbk.cambs.sch.uk">EMP@hinchbk.cambs.sch.uk</a> |
| Dr Rens      | <a href="mailto:WR@hinchbk.cambs.sch.uk">WR@hinchbk.cambs.sch.uk</a>   |
| Miss Renshaw | <a href="mailto:SER@hinchbk.cambs.sch.uk">SER@hinchbk.cambs.sch.uk</a> |
| Mr West      | <a href="mailto:RCW@hinchbk.cambs.sch.uk">RCW@hinchbk.cambs.sch.uk</a> |



## Revision Resources

<http://www.hinchingbrookeschool.co.uk/re/gcsers.html> - *school website*

Search 'Hinchingbrooke RS' on  for our revision podcasts

<http://hbkgcsere.weebly.com> – *our GCSE revision site*

## Religion, Philosophy and Ethics GCSE

Exam board: **OCR**

***Religious Studies Syllabus B: Philosophy and Applied Ethics (Short Course)***

### Topics:

#### **Philosophy 2:1 Good and Evil**

*God and the Devil; The Problem of Evil; Coping with Suffering; Moral Behaviour*

#### **Philosophy 2:2 Religion, Reason and Revelation**

*Religious and Mystical Experience; Biblical Revelation; Religious Authority*

#### **Philosophy 2:3 Religion and Science**

*The Origins of the world; Religion vs Science; Treatment of Animals; The environment*

#### **Ethics 2:1 Religion, Peace and Justice**

*War and Peace; Crime and punishment: Social Injustice*

#### **Ethics 2:2 Religion and Equality**

*Beliefs about Equality; Racism and sexism; Ecumenism: Forgiveness and Reconciliation*

#### **Ethics 2:3 Religion and the Media**

*The influence of the Media; Role Models; Christianity in the Media; Censorship & Freedom of Speech*

### ***'Top Five Tips' for exam preparation***

1. It is not *just* about your opinion. You also need detailed knowledge of the Philosophical and Ethical ideas you have studied.
2. Prepare a range of specific religious references and (short) quotes that you can use to develop your answers.
3. Spelling, grammar and punctuation count – concentrate on getting them as accurate as possible.
4. Do not be afraid to give your opinion. Your opinion is fine as long as you argue it clearly and back it up with evidence. You should however present both 'sides' of the argument when presenting your ideas
5. Consider the wording of the question and the marks available very carefully before you start to write. This way your answer will be relevant and you will not write an answer that is too short/long

Diagram(s) should be used to compliment/illustrate text. There should be reference to destructive plate margins—either collision or subduction zones, whilst there must be reference to subduction to explain ocean trenches. Fold mountain explanation is likely to identify the source of sediment from rivers, with subsequent deposition at the bottom of the ocean. Over time, continued deposition leads to layers of sediment rock forming at a time of limited movement. The plates then begin to move together and the layers of rock are pushed up and down. This continues, even when the ocean has been removed—as in the Himalayas.



#### Level 1 (Basic) 1-4

There is text or diagram.  
There is some reference to either fold mountains or ocean trenches.

Particle sequence of formation included.

#### Level 2 (Clear) 5-6 marks

There is a clear text or diagram but it may not link to the text.

There are links and stages in the formation of both. If only one referred to, then the sequence must be complete.

#### Level 3 (Detailed) 7-8 marks

There is a detailed/specific diagram included  
The links are explained in detail and compliment each other  
Reference is made to both fold mountains and ocean trenches.

### How can you support us

- Please support the homework tasks that we set, as these will improve your child's ability throughout the year.
- Please encourage your child to appreciate how important their controlled assessment is.
- Please encourage your child to access the past papers that are available to him/her online. On the AQA website (Useful contacts).
- Please ask your child how their work/revision is going. A conversation is a great way for them to improve their understanding.
- Please familiarise yourself with the AQA website as this gives a thorough overview of what the course entails.
- Please do not hesitate to contact us if you require any other information regarding your child's progress



## Directorate of Global Citizenship GCSE Geography

### A helpful guide



**"Geography is a subject which holds the key to our future."**

**Michael Palin**

English Comedian, Actor, Writer and Television Presenter.

## Useful Contacts

### Examination Board:

AQA GCSE Geography A

<http://www.aqa.org.uk/subjects/geography/gcse/geography-a-9030>

### Geography Department

Mr Barry Evans - [bje@hinchbk.cambs.sch.uk](mailto:bje@hinchbk.cambs.sch.uk)  
Head of Department

### GCSE Teachers

Mrs Kate Moyes - [kfm@hinchbk.cambs.sch.uk](mailto:kfm@hinchbk.cambs.sch.uk)

Mrs Maria Flach - [mf@hinchbk.cambs.sch.uk](mailto:mf@hinchbk.cambs.sch.uk)

Mrs Carla Black - [cmb@hinchbk.cambs.sch.uk](mailto:cmb@hinchbk.cambs.sch.uk)

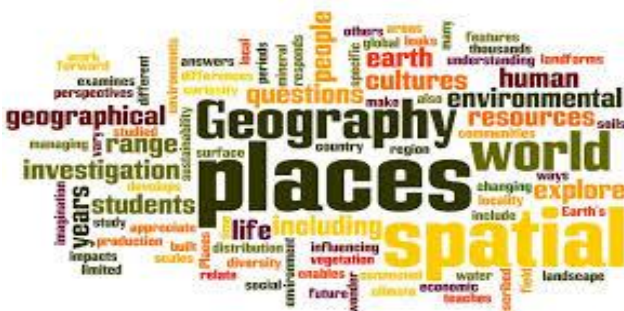
Mr Daniel Milner - [djm@hinchbk.cambs.sch.uk](mailto:djm@hinchbk.cambs.sch.uk)

Mr Matthew Durrant - [mjd@hinchbk.cambs.sch.uk](mailto:mjd@hinchbk.cambs.sch.uk)

### School Geography Website

<http://www.hinchingbrookeschool.co.uk/geography/Year10GCSEGeography.html>

@HBKGeog



## How is the GCSE assessed?

There are two examinations and a controlled assessment:

⇒ Physical Geography: 1½ hour examination in June 2017.

Candidates answer three questions.  
Worth 37.5% of the grade.

Topics include:

The Restless Earth  
Living World  
Water on the Land

⇒ Human Geography: 1½ hour examination in June 2017.

Candidates answer three questions.  
Worth 37.5% of the grade

Topics include:

Population Change  
Tourism  
The Development Gap

*There are 9 marks (out of 84) awarded for good spelling, Punctuation and Grammar on this paper*

⇒ Controlled assessment:

2000 word investigation based on fieldwork.  
Worth 25% of the grade.

Everyone follows the same course. Then a decision is made on whether the student should be entered for the Higher Tier (grade A\*-C) or the Foundation Tier (grade C-G) examination paper.

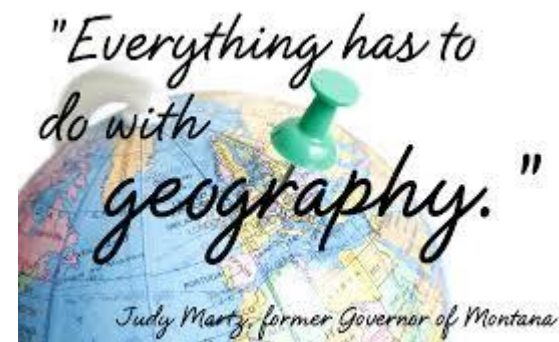
## An Example Question and Mark Scheme

At the end of each series of questions on a particular topic, there will be an eight-mark question, where the student is expected to be able to write in depth about one of the topics. Often this will require them to have case study knowledge that exemplifies the causes, effects and management they have studied.

Below is an example question and guidance on how the examination board would award the marks using three levels (basic, clear and detailed).

To encourage detail in students work we always encourage them to make, explain and develop their points.

With the help of a labelled diagram, explain the formation of ocean trenches and fold mountains. (8 marks)



## GCSE HISTORY SHP

There are TWO papers for this exam, which altogether will cover everything you have studied in year 10 and 11 except the topics covered for your coursework.

|                | Duration          | Content   | Structure  |
|----------------|-------------------|---|--|
| <b>Paper 1</b> | 2 hours           | (Section A) Medicine Through Time<br><br>(Section B) American West<br><br>NB: Do NOT answer the section on crime and punishment   | You <u>must</u> answer question 1 (all parts) from both Section A and B.<br><br>For both sections you will then have a choice of questions to answer. You must <u>choose one</u> and <u>answer all parts</u> .<br><br>You will answer four questions in total. |
| <b>Paper 2</b> | 1 hour 30 minutes | This is the source paper, which is on a nominated topic from within your Medicine Through Time course.<br><br>Your paper 2 topic is <i>'The impact of industrialisation on living conditions and health and hygiene and the development of public health systems in the nineteenth century'</i> | There will be 5 questions on this paper and you must answer all of them. As well as using the sources stated, it is also important to cross-reference wherever possible.   |

The specification for this course can be found here:

[http://pdf.ocr.org.uk/download/kd/ocr\\_68082\\_kd\\_gcse\\_spec.pdf?](http://pdf.ocr.org.uk/download/kd/ocr_68082_kd_gcse_spec.pdf?)

The OCR website also has sample papers, which you can use for exam practice. Use the paper codes on the table above to ensure you look at the correct paper:

[http://www.ocr.org.uk/qualifications/type/gcse\\_2012/hss/history\\_a/documents/](http://www.ocr.org.uk/qualifications/type/gcse_2012/hss/history_a/documents/)

### Useful revision guides:

- GCSE History Schools History Project Revision Guide, Richard Parsons, ISBN-10: 184762281X
- GCSE Bitesize History Schools History Project Complete Revision and Practice, Allan Todd, ISBN-10: 1406654434 (just use Medicine and American West sections)

<http://www.bbc.co.uk/schools/gcsebitesize/history/shp/americanwest>

[http://www.schoolshistory.org.uk/gcsehistoryrevision\\_medicinethroughtime.htm](http://www.schoolshistory.org.uk/gcsehistoryrevision_medicinethroughtime.htm)



# Revision Guidance Paper 1 SHP

Try to ensure you know about and understand the following points and can think of examples to help you explain them.

## Medicine Through Time Thematic study

### Prehistory

- Beliefs about illness – spirits, medicine men.
- Medical treatments – charms, trepanning, herbal remedies etc.

### Egypt

- Beliefs about illness – Impact of religion and Theory of Channels.
- Medical treatments – surgery, natural remedies, religious cures etc.
- Embalming
- Health and hygiene

### Greece

- Beliefs about illness – Hippocrates v Asclepius
- Medical Treatments – rest, diet and exercise.
- Hippocrates, observation and the four humours.
- The Asclepion.

### Rome

- Beliefs about illness – Galen, Bad Air/Water, Religion.
- Public Health – baths, sewers, aqueducts etc.
- Medical treatments – surgery, remedies etc.
- Galen – Theory of opposites, pig experiment and anatomy

### Medieval

- Why medicine did not get better/got worse.
- Beliefs about illness – impact of religion, the continued use of Galen's works.
- Types of treatment – Monastic hospitals, barber surgeons, quacks etc.

### Renaissance

- Why did people start rethinking medical ideas?
- Pare and ligatures/oointment.
- Vesalius and anatomy.
- Harvey and the heart.

## 1750 – 1900 The Medical Revolution?

- Edward Jenner and smallpox vaccine.
- James Simpson and anaesthetics.
- Florence Nightingale and hygiene/nursing.
- Edwin Chadwick and John Snow linked dirt and disease.
- Louis Pasteur discovers germs and why vaccination works.
- Robert Koch develops vaccines.
- Joseph Lister and antiseptics.

## Modern medicine

- WWI pros and cons i.e. infection/surgery.
- WWII and Surgery.
- Development of Penicillin.
- Influence of the government i.e. the NHS.

***NB. As well as knowing about the periods above it will also help you to revise the following themes by linking examples from the periods above to the themes.***

## Themes

- Continuity and change between the periods above – can you compare how medicine changed between any two periods listed above i.e. Greek to Roman?
- Government – examples of how has it helped improve medicine i.e. funding/laws.
- War – examples of how it has helped and hindered medical progress.
- Chance – examples of discoveries made based upon a bit of luck or an accident.
- Religion – examples of how it has helped and hindered medical progress.
- Technology i.e. impact of printing press, microscope etc.
- The development of surgery.
- The development of public health.



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## **The American West Depth Study**

### **Plains Indians**

- The difficulties of living on the Plains and the ways Plains Indians adapted.
- Indian society – the importance of Buffalo, Tipis, Family Life, Medicine and Religion.
- Why settlers saw the Plains Indians as barbaric.
- Indian Warfare.

### **Trail Blazers**

- The First Trail Blazers - Push and Pull factors.
- The meaning of Manifest Destiny.
- The role of Mountain Men and Trappers in the American West.

### **Homesteaders**

- Push and Pull factors- why did they head west.
- The Homestead Acts and what they did.
- The Problems they faced and the Solutions they developed.
- The Role of Women.

### **Mormons**

- Mormon beliefs.
- Reasons for their persecution
- Key individuals including Joseph Smith and Brigham Young.
- The journey west
- Success and Failure in Salt Lake city.

### **Transport**

- The role of the Stagecoach and Pony express.
- The development of the railways and the impact of the Railways.

### **Cattle Industry**

- Why the cattle industry developed and why it declined.
- The role of Cowboys.

### **Law and Order**

- Types of crime and the who dealt with the problems
- Why the west was hard to police – Vigilantes, Outlaws
- The romanticisation of the west.
- The Johnson County War.

### **The Plains Wars**

- Why the settlers and Indians went to war.

- How the US army adapted to Plains Warfare.
- Little Crow's War.
- The Cheyenne Uprising.
- Red Cloud's War.
- The Great Sioux War (including Custer's last stand at the Battle of Little Bighorn).

### **The destruction of Indian Life**

- The Reservations.
- The destruction of the buffalo.
- The ghost dance.
- Wounded knee.

### **Revision Advice**

You could make flash cards or spider diagrams or a mind map of each bullet point/area using your notes and a revision guide. You can then use these to practice past paper questions.

Tick each area off as you and go Good luck!

### **Practice Exam Questions:**

More progress was made in medicine in the Renaissance than the Middle Ages.

- Briefly describe the part played by monasteries in medieval medicine. [5]
- Explain why Pare was able to make advances in medicine. [7]
- 'Vesalius is more important than Harvey in the history of medicine.' How far do you agree with this statement? [8]

Hospitals and surgery were 2 areas where important advances were made in the 19<sup>th</sup> century.

- Briefly describe the work of Florence Nightingale. [5]
- Explain how the problem of bleeding during surgery was overcome. [7]
- 'Simpson is more important than Lister in the history of medicine.' How far do you agree with this statement? [8]

Much progress was made in medicine during the Ancient period.

- Briefly describe how the Egyptians tried to stay healthy. [5]
- Explain why the Greeks were able to make so much progress in medicine. [7]
- 'The Romans are more important than the Greeks in the history of medicine.' How far do you agree with this statement?

In the history of medicine there have been many different ideas about the causes of disease.

- Briefly describe the Theory of the Four Humours. [5]
- Explain why religious beliefs were used to explain and treat illness in the Middle Ages. [7]
- Who was more important in fighting disease in the 19<sup>th</sup> century, Pasteur or Koch? [8]

Individuals have often been important in the development of medicine.

- a) Briefly describe the career of Mary Seacole. [5]
- b) Explain the contribution made to the developments of hospitals and nursing by Florence Nightingale. [7]
- c) 'The work of Fleming was the most important factor in the development of penicillin.' How far do you agree with this statement? [8]

Keeping healthy has not always depended on understanding the causes of disease.

- a) Briefly describe how prehistoric people kept healthy and treated illness. [5]
- b) Explain how people in the Middle Ages explained the Black Death. [7]
- c) Which was more important in the history of medicine, the Roman public health system or public health developments in the 19<sup>th</sup> century? [8]

Many different factors have helped medicine develop.

- a) Briefly describe one example of chance helping medical development. [5]
- b) Explain how war has led to developments in medicine. [7]
- c) 'Governments have been more important than individuals in bringing about developments in medicine.' How far do you agree with this statement? [8]

#### **Practice Exam Questions:**

Both cattlemen and homesteaders tried to make successful lives for themselves on the Plains.

- a) Briefly describe the work of a cowboy. [5]
- b) Explain why cattle ranching moved to the Plains. [7]
- c) Who were more successful on the Plains, the cattlemen or the homesteaders? Explain your answer. [8]

The Plains Indians had to defend the Great Plains against white Americans.

- a) Briefly describe the main features of the lives of the Plains Indians. [5]
- b) Explain why the Plains Indians were able to win the Battle of the Little Big Horn. [7]
- c) 'The slaughter of the buffalo by white Americans was the most important reason why the Plains Indians and white Americans came into conflict.' How far do you agree with this statement? [8]

Many homesteaders made a success of their homestead.

- a) Briefly describe the conditions inside a homestead. [5]
- b) Explain why people moved to the Plains to set up homesteads. [7]
- c) 'The introduction of wind pumps was the most important reason why homesteaders were able to make a success of their homesteads.' How far do you agree with this statement? [8]

The Indians eventually had to share the Plains.

- a) Briefly describe the conditions of the Plains. [5]
- b) Explain why many white Americans thought the Plains Indians were savages. [7]
- c) Was the Battle of Little Big Horn really a victory for the Plains Indians? Explain your answer. [8]

Different groups faced different problems in the West.

- a) Briefly describe the problems faced by settlers on their journey across the Plains. [5]
- b) Explain why law and order became a serious problem in the West. [7]
- c) How far were the problems the Mormons faced at Salt Lake worse than the problems they faced in the East? Explain your answer. [8]





## GCSE HISTORY MODERN WORLD

There are TWO exam papers which will cover everything you have studied in your History lessons during year 10 and 11 excepting the topics covered for coursework.

|                | Duration          | Content  | Structure  |
|----------------|-------------------|--|--|
| <b>Paper 1</b> | 2 hours           | <b>Part 1:</b> Aspects of International Relations, 1919-1976<br><i>(Section A: The Cold War, 1945 – 1975)</i><br><br><b>Part 2:</b> The Russian Revolution 1905-41 | In each section you <u>must</u> answer the first question <u>then choose one</u> of the next two.<br><br>You will answer four questions in total.                        |
| <b>Paper 2</b> | 1 hour 30 minutes | This is the source paper, which is on an aspect of the British Depth Study (1939 – 1975) course.   | There will be 5 questions on this paper and you must answer all of them. As well as using the sources stated, it is also important to cross-reference wherever possible. |

The specification for this course can be found here:

[http://pdf.ocr.org.uk/download/kd/ocr\\_68104\\_kd\\_gcse\\_spec.pdf?](http://pdf.ocr.org.uk/download/kd/ocr_68104_kd_gcse_spec.pdf?)

The OCR website also has sample papers, which you can use for exam practice. Use the paper codes on the table above to ensure you look at the correct paper:

[http://www.ocr.org.uk/qualifications/type/gcse\\_2012/hss/history\\_b/documents/](http://www.ocr.org.uk/qualifications/type/gcse_2012/hss/history_b/documents/)

### Useful revision guides:

- GCSE History OCR B Modern World History Revision Guide, Richard Parsons, ISBN-10: 184762412X
- **OCR GCSE Modern World History Revision Guide, Ben Walsh, ISBN-10: 0340992204**
- The History department will provide a separate revision guide for Mao's China

<http://www.schoolhistory.co.uk/>

<http://www.bbc.co.uk/schools/gcsebitesize/history/mwh/>

# Modern World History GCSE Paper 1

The following pages contain questions that will help test if you understand a topic. They are not exam questions, but if you find it hard to answer one, then you need to hit the books again or one of the following revision websites! <http://www.schoolhistory.co.uk/>

## PAPER 1 COLD WAR – first half of the paper:

### Section a) What are the origins of the Cold War? 1945-1950s

1. What was the American and Soviet relationship like during World War Two?
2. What happened at the Yalta conference? (Who was there and what did they decide?)
3. What is meant by 'sphere of influence'?
4. What happened at the Potsdam conference?
5. What countries in Eastern Europe did Stalin take over?
6. What was the Truman doctrine all about?
7. What was Marshall Aid?



the Soviet

9. What



Norman Smith in 'The Phoenix Gazette', NGA.  
"He's finally getting the hang of it."

8. Why was NATO seen as a threat to Union?

happened to Germany after WW2?

10. Describe blockade?



what happened during the Berlin

**BIG QUESTION:** Why did time relationship of USA and deteriorate?



the war-  
USSR

**BIG QUESTION:** Who was to blame for starting the Cold War, USA or USSR?

## PAPER 1 COLD WAR – first half of the paper:

### Section b) The Cuban Missile Crisis? 1950s – 1962

1. Who was the leader before the Cuban revolution in 1959?
2. Why was Cuba important to America?
3. What happened during the Cuban revolution?
4. Why was America unhappy with the new Castro?



leader

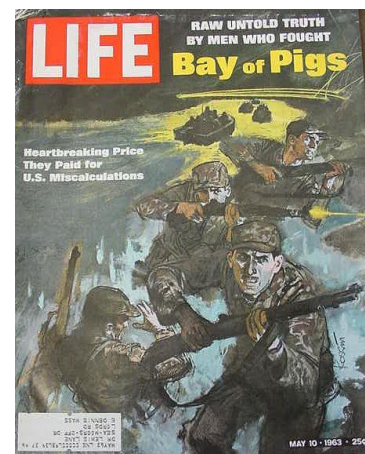


5. What happened at the Bay of Pigs?
6. Who were the leaders of USA and USSR during the missile crisis?
7. Describe what happened when America blockaded Cuba?
8. Describe the following aspects

of the crisis: Khrushchev's letters, missiles in Turkey, Kennedy's diplomacy,

9. How did JFK and Khrushchev both help to the crisis?

10. What is meant by a 'hotline' between USA USSR?



end

and



A cartoon published in Britain, 17 October 1962. President Kennedy is on the left, Khrushchev is on the right. (Pruning means cutting back.)

**BIG QUESTION:** Who was to blame for causing the Cuban Missile Crisis?

**BIG QUESTION:** Who was more responsible for bringing the crisis to an end?

**BIG QUESTION:** Who is seen as the winner of the Crisis?

# PAPER 1 COLD WAR – first half of the paper:

## Section c) The Vietnam War

1. What support had Eisenhower given Vietnam in the 1950s?
2. How did the assassination of Diem affect the situation in Vietnam?
3. Why was President Johnson committed to the Vietnam war?
4. What problems faced the

American soldiers in Vietnam?

5. What happened at My Lai? And why was this important?

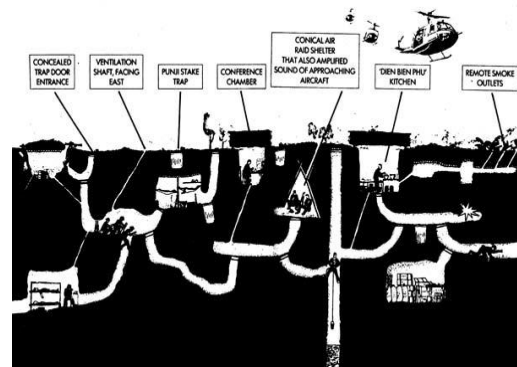
6. Why did people at home protest against the war in the mid 1960s?

7. What does Vietnamisation (of the war) mean?

8. Why did the Americans fail to win the war?

9. What tactics did Nixon use to withdraw American soldiers?

10. Name all the presidents involved in the Vietnam war



1. **BIG QUESTION:** Why do the Americans get increasingly involved in the Vietnam War?
2. **BIG QUESTION:** Why does the war become increasingly unpopular?
3. **BIG QUESTION:** Why do the Americans fail to win the war?



## WHAT DOES A TYPICAL ICT & COMPUTING STUDENT NEED TO BE SUCCESSFUL IN THEIR STUDIES?

When choosing ICT and Computing as an option, it is advisable to have some previous IT knowledge. Whether this is from school or use of IT at home. We do give students all of the resources that they require to complete the course and access to any technology that they will need. Computer rooms are available during breaks, lunch and after school. If students have a computer at home, the following information may be useful.

### POSSIBLE HOME SOFTWARE

Students don't require any specialist software at home. Students can complete much of the work with free open source software. Check out the links below for a few suggestions.

Open Office - A free alternative to Microsoft Office and able to open Microsoft Office files. (openoffice.org) (The school also offer a free Microsoft Office 365 subscription)

Microsoft Visual Studio - Microsoft produce free versions of the programs in Visual Studio and are called 'Express' versions. (microsoft.com)

GIMP - A free image editor. An alternative to Photoshop.

Blender 3D - A 3D development software used for animation (blender.org)

Google Sketchup - A 3D CAD package

Inkscape - A vector drawing program with some functions similar to Adobe Illustrator.

Scribler - A desktop publishing program similar to Microsoft Publisher.

www.software4students.co.uk is a website that offers discounted software for students and teachers. Make sure you check out this site before you purchase software as many popular programs have significant discounts.



Check out our 'Free software' booklet or the student planner for more information on the software and online resources offered free to our students.

### REGISTER WITH THESE!

All students undertaking an ICT or Computing course at Hinchbrook will require an account with the following free providers. These will be required to access some software and services within their studies. (Students will be provided with a school Microsoft and Google Account that they can use)

#### Microsoft Account

Used to save settings and share files online with onedrive and Office 365/2013



#### Google Account

Used to share files and access online software used in programming



#### Mozilla Persona

Used to record achievements in courses via digital badges.



At Hinchbrook we use:  
Microsoft Windows 7, 8.1 & 10  
Microsoft Office 2013 Professional.

In Computing we also use: Adobe Design Suite CS6

- Photoshop
- InDesign
- Acrobat
- Illustrator
- Fireworks
- Flash
- Dreamweaver

Microsoft Visual Studio 2014

Blender 3D

Google Sketchup

Kodu Game Lab

Scratch

Alice 3D

Python 3 & PyCharm

Small Basic

As well as a range of online services

#### Dreamspark

Students at Hinchbrook get access to free full versions of Microsoft developer software like Windows Server, Visual Studio, Expression Studio, Access and more...

### KEEP UPDATED!

Find out all you need to know about the department and news & links to help you with your studies via the following sources...



Hbkcomputing.uk



Twitter.com/hbkcomputing



facebook.com/hbkcomputing



crk@hinchbk.cambs.sch.uk

#### Books

Students will be given access to all the resources they need to complete work for their studies. Lesson resources are available on our website. However, if students wish to purchase a book to help them, the following are the most useful.



**GCSE Computing**  
**OCR Computing for GCSE Student's Book**  
ISBN-13: 978-1444177794



**Cambridge Nationals**  
**ICT**  
**OCR Cambridge Nationals in ICT Student Book**  
ISBN-13: 978-1444176536



**Year 12 & 13**  
**Applied ICT Student's Book and CD**  
ISBN-13: 978-1903133804  
ISBN-13: 978-1903133781

# Exam Advice

Years 10 & 11  
**GCSE Computing J275**



Hinchbrook School  
**COMPUTING**  
Department

Free text book  
available!

Ask your teacher

## OVERVIEW

There will be one exam paper lasting 90 minutes. Candidates must answer all questions. The question paper will include a mixture of short and long answer questions, some of which will require candidates to write program code. The main topics which students will need to study for are detailed below. However students should be prepared to answer questions on the broader use of computer technology in the work place and in our everyday lives.

## PREPARING FOR YOUR EXAM

Preparing for and taking exams is often a difficult process. It's important to feel confident that you know what you're meant to be doing and are preparing in the most effective way. Feeling confident about these aspects will make the exam itself a less daunting experience.

The ICT department recommends that you:

- Develop strategies to organise your time such as a revision timetable
- Select materials for revision. Remember that you have already developed some revision notes.
- Practise writing exam answers. Always read exam mark schemes to help you clearly identify the quality of answers required.

### TOPICS COVERED

- Computer Hardware
- Software systems
- Dealing with binary and hexadecimal numbers
- Databases
- Networks
- Internet technologies
- Programming and algorithm design
- Programming environments and IDEs

Exam board link: [http://www.ocr.org.uk/qualifications/type/gcse\\_2012/ict\\_tec/computing/](http://www.ocr.org.uk/qualifications/type/gcse_2012/ict_tec/computing/)

Make use of the resources given in your homework topics by using the free coursebook, access the [www.cambridgegcsecomputing.org](http://www.cambridgegcsecomputing.org) website, make use of BBC Bitesize and access teacher presentations and resources on [HBKComputing.uk](http://HBKComputing.uk)

Years 10 & 11  
**BCS ECDL**  
European Computer Driving  
Licence

## OVERVIEW

This qualification consists of 4 units. Each unit comprises of a 45 minute or 60 minute exam.

The units cover Word Processing, Spreadsheets, Presentation and Enhancing productivity. All testing is completed on the computer using Microsoft Office 2013.

- Understand how ICT can be used to meet business needs
- Know how to work with information and data to meet specified business needs
- Know how ICT can be used to support business working practices
- Understand how legal, ethical, safety and security issues affect how computers should be used

## PREPARING FOR YOUR EXAMS

Make use of a range of online resources to ensure that you know all the required features of the software programs you will be using.

[Hbkcomputing.uk](http://Hbkcomputing.uk)—Practice papers, links to online videos and tutorials

[www.gcflearnfree.org](http://www.gcflearnfree.org)—Microsoft office tutorials to revise all of the program features

## ADDITIONAL RESOURCES FOR SUCCESS

### ACCESS HBKCOMPUTING.UK

On our department website, all of your lesson resources will be available for you to look over again.

Use the notes that you have made in your blog and the PowerPoints that the teacher has produced to aid your revision.

### FREE COURSE BOOK

You can access free revision materials or a GCSE Computing course book from our website.

### EXTRA CURRICULAR

Take part in some of our extra curricular clubs and trips to help improve your IT skills.

**[hbkcomputing.uk](http://hbkcomputing.uk)**



# EXTRA CURRICULAR

Hinchingbrooke Computing is more than just lesson time. Get involved in loads more activities to enhance you IT skills

## ONLINE DESIGN CLUB

This extra-curricular club focuses on the code and technologies needed to create a modern online website. The club will start with an introduction on how to code a site using HTML. Students build their own website and learn how to upload and manage the website so that it can be accessed online.

More info on page 2

## TECH TEAM (DIGITAL LEADERS)

The Student Tech team is available to students with a keen interest in IT & Computing and an obvious talent in the field. Places are limited and students will undergo a work style interview before being accepted onto the programme.

Students will complete a training course to teach them the skills needed to assist other students and staff within the school. This provides an excellent foundation for those students wishing to work in the IT support and IT management industry.

## TRIPS AND VISITS

We encourage our students to witness the wider applications of IT and computing, and advocate this with school trips and visits.

We have run a number of trips including: Gadget Show Live, Computing Museum and Disneyland Paris



Don't forget that you can earn badges for the skills you have learnt during extra curricular activities (Page 22).

Get involved!

All students have the chance to join a number of extra-curricular activities on offer from the Computing department.

Computing Extra Curricular activities are run with small groups of students, where they can work together, under the guidance of a member of staff, to develop their skills in a particular area.

## RASPBERRY PI

The aim of this club is to use the £25 Raspberry Pi micro computer to create a variety of projects - from parallel programming to robotics.

## APPS FOR GOOD

Apps for good gives students the training and resources to design their own mobile apps. Students meet with real app developers. Teams will present their designs in a national competition, with the chance to have their app produced and sold.

## FILM CLUB

Film club is a nationally run initiative where we are given the ability to hire and show films to students. In the Computing department we screen films that link with current themes and topics that we have been teaching in ICT. These are put on after school once every half term.



# BUSINESS SUCCESS

## GCSE BUSINESS



### Course

Ensure when you are revising for the two exams that you have sufficient knowledge and notes on the following topics

| Unit 1: Setting up a Business   | Unit 2: Growing as a Business  | Unit 3: Investigating Businesses   |
|---|--|--|
| 40% of GCSE<br>1hr exam in summer 2017<br><br>Starting an enterprise<br>Aims & objectives<br>Business Planning<br>Legal structure<br>Location<br>Market research<br>Marketing Mix (4Ps)<br>Finance for small businesses<br>Simple financial calculations<br>Cash flow forecasting<br>Recruitment<br>Motivation<br>Laws to protect staff<br>Production methods<br>Customer service | 35% of GCSE<br>1hr exam in summer 2017<br><br>Expanding a business<br>Ltds & Plcs<br>Aims & Objectives<br>Best location for larger business<br>Using the Marketing Mix (Price, Product, Place, Promotion)<br>Finance for large businesses<br>Income statements<br>Statements of financial position<br>Organization charts<br>Recruitment & retention<br>Production methods for growing businesses<br>Advans/disadvans of growth<br>Quality assurance | 25% of GCSE<br>Completed by summer 2016<br><br>This is a controlled assessment in which the students will have 3hrs to write-up their findings.<br><br>See below for how to achieve the highest band of marking. |

The controlled assessment is moderated using a grid. Level 4 (as seen below) is the highest band available. All students should be aiming towards this.

| Level | AO1 (10-12 marks)   | AO2 (11-14 marks)  | AO3 (11-14 marks)  |
|-------|---|--|--|
| 4     | <p>The candidate selects relevant and detailed data/information from a wide range of sources. Appropriate methods are used to organise and communicate the data/information effectively.</p> <p>The candidate demonstrates substantial knowledge and understanding of relevant business concepts, issues and terminology.</p> | <p>The candidate demonstrates the ability to apply effectively and consistently skills, knowledge and understanding when:</p> <ul style="list-style-type: none"> <li>thoroughly planning and carrying out the investigation;</li> <li>successfully completing key parts of the investigation.</li> </ul> | <p>The candidate draws a range of appropriate conclusions based on:</p> <ul style="list-style-type: none"> <li>an analysis of the selected data/information to produce key findings;</li> <li>an evaluation, supported by a reasoned justification, of the significance of the key findings.</li> </ul> <p>Ideas are well structured and organised in a clear and appropriate form. Spelling, punctuation and grammar are used accurately. Specialist terms are used frequently and effectively.</p> |

## Support

There are many types of resources and support available:

### Internet:

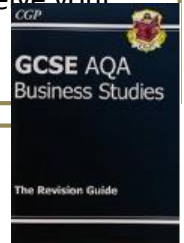
<http://beta.tutor2u.net/business> has all the topics covered in the AQA GCSE specification. It also contains revision notes that can be printed.

<http://www.bbc.co.uk/education/subjects/zpsvr82> has revision videos and mini tests to check your subject knowledge

<http://www.revisionworld.com/gcse-revision/business-studies> has mini tests and games to help develop your understanding. Choose the AQA business link.

<http://www.aqa.org.uk/subjects/business-subjects/gcse/business-subjects-and-economics-4130> has previous test papers to practice and read through. Choose papers from Unit 1 & 2.

<http://www.doddlelearn.co.uk/> also has a section on GCSE Business. You should receive your login details soon if you haven't already.



### In print:

All of the following can be purchased from Amazon if you would prefer to revise from text books:

CGP GCSE AQA Business Studies (the revision guide). Costs around £5.

Letts GCSE Success, Business Studies (Revision Guide). Costs around £4



### On TV:

Dragons Den 2015, episodes can be watched on

<http://www.bbc.co.uk/programmes/b006vq92/episodes/guide>

The Hotel Inspector (Alex Polizzi), episodes can be watched on

<http://www.channel5.com/shows/the-hotel-inspector>

A Very British Airline, on BBC to learn about the operations of a hugely busy business, see episodes at <http://www.bbc.co.uk/iplayer/episode/b047hjf9/a-very-british-airline-episode-3>

Panorama has a lot of useful and insightful episodes on businesses like Tescos. These can be found at

<http://www.bbc.co.uk/programmes/b006t14n/episodes/guide>

# BUSINESS SUCCESS

## CAMBRIDGE NATIONAL CERTIFICATE IN BUSINESS & ENTERPRISE



### Course

Ensure when you are revising for the exam make sure that you have sufficient knowledge and notes on the following topics

| RO61: Introduction to Business  | RO62: Planning for Work  | RO63: Setting up and running an enterprise   |
|---|--|--|
| 25% of GCSE<br>1hr exam in summer 2016<br><br>Business ownership (sole trader, partnership, Ltd & Plc)<br>Business objectives<br>Business planning<br>Finance (break-even, cash flow, costs, revenues, profit, raising finance)<br>Marketing (segmentation, research, Marketing Mix)<br>Production (methods, quality, logistics, stock control)<br>Human Resources (recruitment, training, retention, pay, working conditions, performance management)<br>External factors (social, environment, legal, technological, political) | 25% of GCSE<br>Coursework to be completed in Spring 2016<br><br>In this coursework students will need to complete all elements of the project set with <b>plenty of explanation</b> .<br><br>Job roles<br>Recruitment process<br>Career planning<br>They will also create their own CV | 50% of GCSE<br>Coursework to be completed by summer 2017<br><br>In this coursework students will have the opportunity to create and run their own business. They will need to manage their time and ensure they take ownership of the project.<br><br>They will:<br>Select a viable enterprise idea<br>Plan enterprise activities<br>Implement enterprise activities<br>Run an enterprise activity<br>Review the success of an enterprise activity |

They can achieve a L2 Distinction\*, L2 Distinction, L2 Merit, L2 Pass and L1 results.

| Level | Distinction criteria at level 2 they will be able to:  |
|-------|--|
| 2     | <ul style="list-style-type: none"> <li>•recall a wide range of information regarding the effective performance of business</li> <li>•understand and perceptively analyse business problems</li> <li>•create solutions which demonstrate a detailed consideration of audience and are fit for purpose</li> <li>•understand and use a wide range of business terminology correctly</li> <li>•actively contribute to the implementation of enterprise activities with minimal guidance</li> <li>•perceptively evaluate the impact of business</li> <li>•demonstrate a wide range of research, analytical and evaluative skills</li> <li>•work independently and manage time efficiently.</li> </ul> |

## Support

There are many types of resources and support available:

### **Internet:**

<http://beta.tutor2u.net/business> has all the topics covered in the RO61 unit. It also contains revision notes that can be printed.

<http://www.bbc.co.uk/education/subjects/zpsvr82> has revision videos and mini tests to check your subject knowledge

<http://www.revisionworld.com/gcse-revision/business-studies> has mini tests and games to help develop your understanding. Choose the OCR business link.

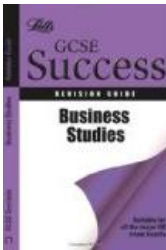
<http://www.ocr.org.uk/qualifications/cambridge-nationals-business-level-1-2-award-business-and-enterprise-level-1-2-certificate-j804-j814/> has previous test papers to practice and read through. Choose papers from Unit RO61.

<http://www.doddlelearn.co.uk/> also has a section on GCSE Business. You should receive your login details soon if you haven't already.

### **In print:**

All of the following can be purchased from Amazon if you would prefer to revise from text books:

Letts GCSE Success, Business Studies (Revision Guide). Costs around £4



### **On TV:**

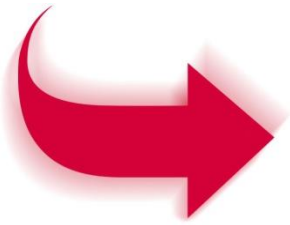
Dragons Den 2015, episodes can be watched on  
<http://www.bbc.co.uk/programmes/b006vq92/episodes/guide>

The Hotel Inspector (Alex Polizzi), episodes can be watched on  
<http://www.channel5.com/shows/the-hotel-inspector>

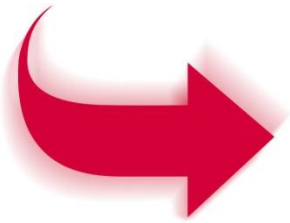
A Very British Airline, on BBC to learn about the operations of a hugely busy business, see episodes at <http://www.bbc.co.uk/iplayer/episode/b047hj9/a-very-british-airline-episode-3>

Panorama has a lot of useful and insightful episodes on businesses like Tesco's. These can be found at <http://www.bbc.co.uk/programmes/b006t14n/episodes/guide>

# **DANCE**



**BTEC Level 2: Edexcel  
Board**



**Worth the same as a  
GCSE**



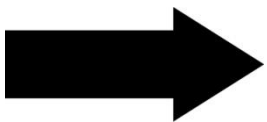
**Students study  
the subject for 2 years,  
alongside their other  
GCSE choices.**

**There are 5 lessons per  
fortnight**



**Most lessons are practical,  
with some written work to support**

**The course entails....**



**Practical dance**

**(groups, solos, duets)**

**in the following styles:**

- \* Contemporary**
- \* Jazz**
- \* Urban (street / commercial)**
- \* General Performance pieces**

## **Work is assessed via...**



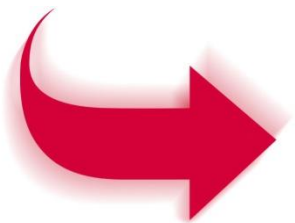
- Live performance (competitions, assemblies, productions)**
  - Video Evidence**
  - Photographic evidence**
  - External examiner visit / moderation**
  - School show**
- 
- The course is assignment based.**
  - Assignments can be repeated as often as the student wishes in order to improve grades.**
  - There is 1 final written exam**



- **Students are issued 2 assignments per half term**
- **BTEC level 2 is marked as follows:**

|                          |          |               |
|--------------------------|----------|---------------|
| <b>Distinction / (*)</b> | <b>=</b> | <b>A / A*</b> |
| <b>Merit</b>             | <b>=</b> | <b>B</b>      |
| <b>Pass</b>              | <b>=</b> | <b>C</b>      |

### **Course Requirements:**



**Students don't need to  
have  
prior dance experience**

## **Year 10 Assignments:**

Sep – Oct: ‘Overdrive’ based **SOLO** of 1min 30sec min

Oct – Dec: Saturday Night Fever & Hairspray Jazz Piece **GROUP**

Jan – Feb: Set Dance I – a prescribed routine, performed in a **TRIO**

Feb – Apr: Street Dance I - **GROUP**

Apr – May: Chicago – **GROUP**

May – Jul: Red Cross ‘Make your move’ competition piece **GROUP**

## **Year 11 Assignments**

Sep – Oct: Set Dance II – a prescribed routine, performed in a **TRIO**

Sep - Oct: Solo II

Oct - May: Exam & Show preparation of required pieces

Must lead self-choreographed piece (theme & costume)

Must dance in other’s choreographed pieces

Booklet to accompany their own choreography piece

TBC date: 1 written exam: Letter of application to a pretend

‘Performing Arts’ company, citing their skills and knowledge of the industry.

## **What to do in year 11 to ensure success....**

- **Prepare a dance to teach / lead**
  - **Needs a theme**
  - **Needs costume**
  - **Needs music**
- **Needs to be min of 3 minutes**
- **Prepare accompanying booklet**
- **For written exam, practice letter typing skills**  
**and also, for the letter, have information in mind about individual dance skills and a knowledge of the performing arts industry.**

What we do to help: [mlt@hinchbk.cambs.sch.uk](mailto:mlt@hinchbk.cambs.sch.uk)

- Studio open at lunch and after school for practice
- Comprehensive teaching / units of work
- Ex-students' work to view as model choreographies



**Hinchingbrooke School**

*Inspiring excellence Fulfilling potential*

## **GUIDANCE ON HOW TO SUCCEED**

### **IN DESIGN AND TECHNOLOGY**

#### **RESISTANT MATERIALS (2RM01) AND GRAPHIC PRODUCTS (2GR01)**

**Exam Board: Edexcel**

#### **Top Tips for Students**

- The most important piece of equipment you will need is a **pencil**.
- Don't worry about the quality of your sketching when designing. It is the quality of your ideas we are interested in and we can help you to improve your sketching throughout the course.
- Always try to sketch in 3D, it shows more information on design ideas.
- Be prepared to sketch lots of ideas, these are creative subjects and it doesn't matter if some ideas are not as good as others.
- It is likely that the person looking at your ideas will not understand them. Write lots of notes and show off your knowledge. Remember this is not a test and you can use text books and ask for help.
- Always try to complete work on time. If there are reasons why you cannot, speak to your teacher, but don't leave it until the lesson.

#### **Reading**

The department will provide appropriate books and information to meet students' needs. Our exam board is Edexcel, but general revision books available will suit the course.

## **THE NEXT TWO YEARS**

### **September 2015 to January 2016**

Students will complete practice GCSE projects. This is an opportunity to experience aspects of the controlled assessment without worrying if things don't go to plan. Students will start to build their subject knowledge and confidence to work more independently.

### **Controlled Assignment February 2016 to February 2017**

Students work on their actual controlled assignment (specific deadline to be announced).

Completing a good piece of coursework is fundamental to succeeding in either Resistant Materials or Graphic Products, because it is worth 60% of the GCSE. It is also important to note that the folder itself is worth 62 marks and the practical piece 38. The practical work will not rescue an empty portfolio!

Organising their time will be the most important key to success with this. Teachers will set deadlines which students should try to meet and they will give guidance on what specific details need to be included on each sheet. It is important that students listen to their advice and try to feed forward suggested improvements.

Make sure the folder has all of the required sections and sheets (See the attached guide).

## **Exams**

At the end of the two year course students will be examined on their knowledge and understanding of the subject area Resistant Materials or Graphic Products. This is worth 40% and the exam is 1 ½ hours long.

It may sound like the students have a long time to complete the controlled assignment, but they spend 13 weeks on holiday, 2 weeks on work experience and sit two sets of mock exams in that time. They actually have approximately 75 hours focussed on coursework.

### **Areas to revise**

#### **Materials and components**

#### **Industrial and Commercial processes (Graphic Products)**

#### **Tools and Equipment (Resistant Materials)**

#### **Analysing Products**

#### **Designing Products**

#### **Technology**

#### **Sustainability**

#### **Ethical Design and Manufacture**

#### **Exam techniques**

- Keep and look over notes from previous projects.
- Work in half hour sessions and give yourself regular breaks.
- Read the questions carefully.
- Take notes in revisions sessions and keep them in a folder or exercise book.
- Practise exam questions. Your teacher will give you past questions and papers.
- Read aloud and record the information to play back later.
- Draw images, cartoons and diagrams.

## **Revision Guides**

GCSE Design and Technology Graphic Products The Revision Guide  
(CGP) **ISBN 1 84146 791 X**

GCSE Design and Technology Resistant Materials The Revision Guide  
(CGP) **ISBN 1 84146 792 8**

## **What can adults do to help?**

Ensure that students keep up to date with coursework.

**For any further details please contact:**

Miss C. Lee [czl@hinchbk.cambs.sch.uk](mailto:czl@hinchbk.cambs.sch.uk)

Or

Mrs D. Ayres [da@hinchbk.cambs.sch.uk](mailto:da@hinchbk.cambs.sch.uk)

Tel 01480 375700 (ext. 5767)



# Btec Music

- BTEC assesses students work continually through the two years
- Evidence based

The course consists of four units, two core and two optional:

| Edexcel BTEC Level 1/Level 2 First Award in Music |                               |                   |     |
|---|-------------------------------|-------------------|-----|
| Unit  | Core units                    | Assessment method | GLH |
| 1   | The Music Industry            | External          | 30  |
| 2   | Managing a Music Product      | Internal          | 30  |
| Optional specialist units                         |                               |                   |     |
| 3   | Introducing Live Sound        | Internal          | 30  |
| 4   | Introducing Music Composition | Internal          | 30  |
| 5   | Introducing Music Performance | Internal          | 30  |
| 6   | Introducing Music Recording   | Internal          | 30  |
| 7   | Introducing Music Sequencing  | Internal          | 30  |

## Keys to success

1. **Unit 1 is a written exam on the music industry, which will take place in January 2017. It is recommended to read around this subject with books such as:**
  - *The Music Industry Handbook* (Paul Rutter)
  - ***All you need to know about the music business* – (Donald s. Passman)**
  - *Pop Music: The Text Book* (Winterson, Nickol, Brichero)
  - *Working in the Music Industry: How to find an existing and varied career in the world of music* (Anna Britten)
2. **Throughout the course there will be an element of practical performance.** It is highly recommended that the students take instrumental lessons to make the greatest progress.
3. The course will involve composing elements and a good knowledge of theory.
4. Because the course is so heavily evidence based it is crucial for students to keep an organised folder and complete work in a timely manner. Evidence for units could come in several different formats:
  - Photographs
  - Written logs
  - Podcasts
  - Video evidence
  - Minutes of meetings

# **GCSE Music**

**The course consists of three units:**

- 1. Performing:** students will perform two pieces, one as a soloist and one as a member of an ensemble. This unit is coursework.
- 2. Composing and Arranging:** students will create two pieces, each based on a different area of study, with a total running time of approximately 3 minutes. Students will be able to use technology, should they wish to, to create their pieces. This unit is coursework.
- 3. Listening and Appraising:** students will analyse 12 set works under four Areas of Study. This unit will be examined as a written exam. Students need to know these pieces extremely well so that when they hear the extracts in the exam they will be able to identify them and where they come from in the piece, and so be able to answer the questions.

The specification we use is Edexcel, and can be found using this link:

<http://www.edexcel.com/quals/gcse/gcse09/music/Pages/default.aspx>

- There will be one exam of one and a half hours based on all 12 set works. Students will hear extracts from each set work and will answer questions as they listen. There will also be short essay questions on selected works where students will have an element of choice, though they need to know each work thoroughly as we do not know which works will come up in the final examination.
- Students should listen to all 12 works as often as they can, following the score at the same time, reading all the annotations they have put into the score over the course.
- Each student should have a CPG Revision Guide and it will help enormously if students create a table for each work which highlights the key characteristics and musical features of each piece.
- Listening tests are a regular feature of music lessons and will prepare them well for the examination.

## **Deadlines**

**Unit 1 Practice Performances will take place throughout Y10 and the final performance in March 2017**

**Unit 2 Composition 1 to be completely finished by Friday 15 July**

**Unit 3 During Y10 Exams 20 June 2016- 30 June 2016**

## GCSE Drama

### UNIT ONE - Drama Exploration

Learning about a topic through the medium of Drama  
**(worth 30%)**

**Assessed via –**

- 2000 word coursework
- Participation in classwork

**Ways to achieve;**

- Stay on top of your notes!
- Work hard in lessons for your class mark
- Coursework writing help on a Wednesday lunch – Diploma Suite
- Student shared drive resources

### UNIT TWO - Exploring Playtexts

Learning about a play through the medium of Drama  
**(worth 30%)**

**Assessed via –**

- 1000 word coursework
- Participation in classwork
- 2000 word LIVE theatre review

**Ways to achieve;**

- Stay on top of your notes!
- Work hard in lessons for your class mark
- Coursework writing help on a Wednesday lunch – Diploma Suite
- Student shared drive resources

### UNIT THREE - Drama Performance

Live performance for an examiner  
**(worth 40%)**

**Assessed via –**

- Group performance of play / devised work

**Ways to achieve;**

- Learn your lines early
- Attend all rehearsals
- Get involved in the school production as practise
- Pay attention to the marking criteria! Voice, movement and characterisation.

**WHAT ELSE!?** <http://www.edexcel.com/quals/gcse/gcse09/drama/Pages/default.aspx>

\* TEXT BOOK 'Edexcel GCSE Drama Student Book' Mike Gould (Pearson)

\*Book a one to one appointment with my teacher. \* Study groups at lunchtime or after school. \* Go to the Theatre! \* Download exemplar coursework to see examples