

# Year 11 Mock Exam Information



## **Information**

The mock exams are a key part of Year 11 and help us to be able to identify any gaps in your knowledge and/ or understanding.

We expect that you will treat the exams as if it was a real exam so that this will give us a really good indication of how we can help you to progress.

The exams will start on Monday **30th November** for a three week period before the Christmas break.

### **In the run up to the exams we expect that:**

1. You will revise thoroughly for each of your exams making the most of any revision material that subjects will give you/ direct you to use.
2. Complete all homework as this will directly link to your exams.
3. Attend all after school boosters as normal as these will all be preparation for the mock exams.
4. Seek support from your class teacher if you require any further support

### **Exam expectations**

1. Your behavior must be exemplary
2. You will arrive on time.
3. You will bring all of the equipment that is required for the exam.
4. You must know the seat that you are sitting in.

# English Language



**Exam 1** - Component 2 - 19th and 21st Century Non-Fiction Reading and Transactional/Persuasive Writing – 2 hours

**Exam 2** - 20th Century Literature Reading and Creative Prose Writing – 1 hour 45 minutes

## Topics that you will need to revise

### Exam 1

- Questions stems – List/find, how, what, evaluate, synthesise, compare
- Writing layouts
- Persuasive writing skills – AFOREST, sentence starters, sentence structures, spellings.

### Exam 2

- Question stems – List, what, how, evaluate
- Narrative writing skills – 5 point plan, openings, sentence starters, sentence structures, show don't tell, spellings.

## Topics that you have done which will not be on any paper and therefore you don't need to revise?

- Literature texts.

## How are you being prepared in class?

- Completing papers, consolidating previous work. Revising key ideas.

## What homework have you been given in the run up to the mocks?

- You have already had revision sheets over half term (staff discussed how to use them along with revision techniques).
- Planning stories and writing tasks.
- Attempting key question types for the reading papers.

## What websites/ revision guides should you use for your revision?

- A3 sheets and booklets we provide.
- CGP guides – Eduqas English Language

# English Literature

## Exam

English Literature: 19th Century Prose: Dr Jekyll and Mr Hyde – 45 minutes

(some students have already done this at the End of Y10 so won't be doing this mock exam)



## Topics that you will need to revise

- Plot of Jekyll and Hyde
- Characters – what events are they involved in, key quotations.
- Themes – what events are they focused on and key quotations.

## Topics that you have done which will not be on any paper and therefore you don't need to revise?

- Romeo and Juliet
- Poetry

## How are you being prepared in class?

- Completing source based questions. Revising key ideas.

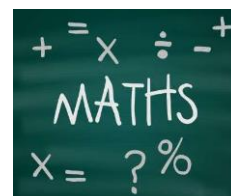
## What homework have you been given in the run up to the mocks?

- Students will receive revision sheets
- Planning source based questions.
- Attempting source based questions.

## What websites/ revision guides should you use for your revision?

- A3 sheets and booklets we provide.
- CGP guides – Dr Jekyll and Mr Hyde.

# Maths



## Exam 1

Non calculator – 1 hour 30 minutes

## Exam 2

Calculator – 1 hour 30 minutes

## Exam 3

Calculator – 1 hour 30 minutes

## Topics that students will need to revise

### Higher tier

<u>Number</u>	<u>Hegarty Clip</u>	<u>Algebra</u>	<u>Hegarty Clip</u>
Compound interest	94	Expanding triple brackets	166
Use of a calculator	129	Solving quadratic inequalities	277
Reverse percentage / original value	96	Quadratic simultaneous equations	246
Standard form	122,123 126	Solving inequalities	269,272
Fractional indices	108	Drawing linear graphs	208
Density	730	Algebraic fractions	229
Quadratic nth term	248	Graph transformations	313
Calculations involving bounds	139	Recognising graphs	302,303
Error intervals	774	Area under a graphs	892
Area and circumference of a circle	535,539	Estimated gradient of a curve	890
Area and perimeter of sectors of a circle	546	Changing the subject	286
Highest Common Factor	31	Equation of a perpendicular line	216
Estimation	131	Solving equations with graphs	<b>219</b>
Negative indices	104	Algebraic proofs	325,327
Multiplying fractions	69	Solving quadratic equations	233,244
Percentages to fractions	82	Inverse functions	295
Exact trigonometric values	845	Compound functions	294
Product rule	670,671		
Simplifying surds	115,118		
Completing the square and turning points	235,256		

<u>Ratio, proportion and rates of change</u>	<u>Hegarty Clip</u>	<u>Geometry and Measures</u>	<u>Hegarty Clip</u>
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Sharing ratio into amounts	332	Angles in polygons	565
Volume/ Area/ length scale factors	616	Surface area problem solving	589
Worded Inverse proportion	342	Pythagoras	499
Lowest common multiple/ratio	34,332	Enlargements, reflections and translations	639,644 650
Recipe problems	739	$\frac{1}{2}$ absinC, ratio	517
Direct and inverse proportion	344,346	Circle theorems	599,605
		Cosine and sine rule	531
		3D trigonometry	860
		Vectors	628,633 634
		Drawing 3d shape from elevation	841,842
		Area/ perimeter of rectangle	550,554
		Volume of compound shapes	582
		Trigonometry	509
		<b><u>Probability</u></b>	
<b><u>Statistics</u></b>			
Median class	416	Venn diagrams (including set notation)	372,377
Frequency polygons	441	Expected frequency	356
Misleading graphs	450	Probability trees	361
Histograms/ pie charts	442, 428	Probabilities sum to one	354
Cumulative frequency	437,438	Probability of independent events	367
Quartiles	411		

- Hegarty Maths – (personal login- see Mr Cook if you have forgot your details)
- GCSE Bitesize

## Foundation paper

<b><u>Number</u></b>	<b><u>Hegarty Clip</u></b>	<b><u>Algebra</u></b>	<b><u>Hegarty Clip</u></b>
Rounding Number and error intervals	17,774	Simplify expressions	156,158 159
Multiples, factors, primes, HCF	33,27,28,31	Substitution	155,189
Change in units (length, mass, time)	692,695 710	Changing the subject	281
Indices	102,173	Simultaneous equations	193
Converting between Fractions, decimals and percentages	82,52,55	Solving equations and inequalities	178,179, 272
Finding percentage of amounts	87	Showing inequalities on a number line	265
Fractions of amounts	77	Expanding single brackets	160
Writing as a fraction	62	Factorising single brackets	168
Estimation	131	Writing expressions	153
Financial maths (using money to solve problems)	745,746		
Following sequences (including Fibonacci)	197,263		
Use of a calculator	129		
Compound interest	94		
Order of operations	24		
Midpoints	200		
Reading time series graphs	450		
Ordering Fractions and negative numbers	37,60		
Reading/ using train time tables			
Multiplying and dividing integers	21,22		
Subtracting and multiplying fractions	66,69		
Standard form	122,123		
Vectors	626		

<b><u>Ratio, proportion and rates of change</u></b>	<b><u>Hegarty Clip</u></b>	<b><u>Geometry and Measures</u></b>	<b><u>Hegarty Clip</u></b>
Ratio to fraction	330	Perimeter of shapes	551
Exchange rates	707	Use of scale	864
Sharing in ratios	332	Angles in triangles (including equilateral and isosceles)	486
Recipe problems	739	Surface area of a cylinder	589
Speed distance time	719,721	Alternate, corresponding and vertically opposite angles	815,480 483
Ratio in unitary form (n :1)	331	3D shape drawings	841,842
		Reflections and translations	639,650

		Coordinates of turning point and roots from graph	255
		Loci problems (involving shading relevant space)	676,679
		Drawing linear graphs	208
		Volume	568
		Trigonometry	509
		<b><i>Statistics</i></b>	
		<b><i>Probability</i></b>	
Mode from frequency table	415	Venn diagrams and set notation ( $a \cap b$ )	372,377 383
Median class	416	Probabilities sum to one	354
Frequency polygon	441	Estimating using probabilities	355,356
Two- way tables	424		
Pictograms	426		

- Hegarty Maths – (personal login- see Mr Cook if you have forgot your details)
- MrBartonMaths – use the student section (GCSE takeaway is brill)
- GCSE BBC Bitesize

### **How are you being prepared in class?**

After October half term all classwork will be preparation for the mock papers.

### **What homework have you been given in the run up to the mocks?**

Topics identified by class teachers with personalised revision from the classwork/ exams you have done so far.

### **What websites/ revision guides should you use for your revision?**

Hegarty Maths

Student friendly revision guide which includes all the high frequency topics – see your maths teacher



# Science



## Exams

3 papers (Biology 2, Chemistry 2 and Physics 2)

Separate Science students: 1hour 45minutes

Combined Science students: 1hour 15minutes

## Topics that you will need to revise

Biology	<ul style="list-style-type: none"><li>• Unit 5: Homeostasis and Response</li><li>• Unit 6: Inheritance, Variation and Evolution</li><li>• Unit 7: Ecology</li></ul>
Chemistry	<ul style="list-style-type: none"><li>• Unit 6: Rate and Extent of Chemical Change</li><li>• Unit 7: Organic Chemistry</li><li>• Unit 8: Chemical Analysis</li><li>• Unit 9: Chemistry of the Atmosphere</li></ul>
Physics	<ul style="list-style-type: none"><li>• Unit 5: Forces</li><li>• Unit 6: Waves</li><li>• Unit 7: Magnetism and Electromagnetism</li></ul>

## Topics that you have done which will not be on any paper and therefore you don't need to revise?

Chemistry – Unit 10: Using Resources

## How are you being prepared in class?

All content that has been taught in class is content that will be featured in the mock examinations.

Use of retrieval booklets as BIG check understanding.

After school booster sessions are all topics covered in the mock examination. All boosters now being shared for all students on Google Classrooms and Castify.

## What homework have you been given in the run up to the mocks?

Educake homework plan – all topics covered will be featured on the mock examinations:

15.10.20	22.10.20	Educake login
22.10.20	5.11.20	Rates of reaction
		Forces 1
5.11.20	12.11.20	Organic Chemistry
		Forces 2
12.11.20	19.11.20	Coordination and Control 1
		Waves
19.11.20	26.11.20	Coordination and Control 2
		Chemical Analysis

40 questions a week. All students to achieve 80% or above to pass the homework.

## What websites/ revision guides should you use for your revision?

SenecaLearning.com: Revision and self-assessment for Biology, Chemistry and Physics.

Malmesbury Science on Youtube: Required practical videos.

Educake: Homework website.

Educake.co.uk

BBC Bitesize:

Combined Science: <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

Biology Separate Science: <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Chemistry Separate Science: <https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>

Physics Separate Science: <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

# Geography



## Exam

Paper 1: Living with the Physical Environment – 1 hour and 30 minutes

### Topics that you will need to revise

- The Challenges of Natural Hazards (tectonic hazards, weather hazards and climate change)
- The Living World (Ecosystems – tropical rainforests and hot deserts)
- Physical Landscapes in the UK (coasts and rivers)

### Topics that you have done which will not be on any paper and therefore you don't need to revise?

- Changing Economic World
- Urban Issues and Challenges

### How are you being prepared in class?

- Homework (revision-based)
- Weekly revision sessions in lesson
- Lessons 2 weeks prior to mock will be revision based

### What homework have you been given in the run up to the mocks?

- Set fortnightly and is revision based, e.g. case study cards and knowledge recall

### What websites/ revision guides should you use for your revision?

- Internet Geography - <https://www.internetgeography.net/aqa-gcse-geography/>
- Cool Geography - <http://www.coolgeography.co.uk/>
- CGP revision guides and workbooks (used in lessons)

# History



## Exam 1

Germany - 1 hour 20 minutes

## Exam 2

Elizabeth - 55 minutes

## Exam 3

American West - 45 minutes

## Topics that you will need to revise

Germany: The Weimar Republic (Kapp Putsch, Hyperinflation crisis) and unemployment in Nazi Germany.

Elizabeth: Elizabethan entertainment, Raleigh & Virginia, Drake, Catholic opposition to Elizabeth.

American West: The growth of Settlement on the Plains (Homesteaders, Exodusters, Ranching), the Mormon migration, the 1868 Fort Laramie Treaty.

## How are you being prepared in class?

Preparation lesson prior to each exam covering strategies on techniques for each question.

Other lessons are completing the American West topic and re-teaching the Elizabeth topic.

## What homework have you been given in the run up to the mocks?

Half term revision homework set.

Weekly homework quizzes focused on content in the mocks only.

## What websites/ revision guides should you use for your revision?

You have been given a revision booklet with information, tasks and quizzes (physical and electronic copies on Google Classroom)

You can buy the Hodder revision guide

You will be given a list of websites (including clips and videos) and a revision schedule planner.

# MfL



## Exams

Foundation listening French / Spanish - 35 minutes

Higher listening German / French / Spanish / Polish - 45 minutes

Foundation reading French / Spanish 45 minutes

Higher reading German / French / Spanish / Polish -1 hour

Foundation writing French / Spanish - 1 hour

Higher writing German / French / Spanish / Polish - 1 hour 15

## Topics that you will need to revise

### Theme 1

- Me, my family and friends
- Relationships with family and friends
- Marriage/partnership
- Technology in everyday life
- Social media
- Mobile technology
- Free-time activities
- Music
- Cinema and TV
- Food and eating out
- Sport

### Theme 2

- Home, town, neighborhood and region
- Healthy/unhealthy living
- The environment
- Poverty/homelessness
- Travel and tourism

### Theme 3

- My studies
- Life at school/college
- Education post-16
- Jobs, career choices and ambitions

You should also revise opinions, connectives and tenses

### **How are you being prepared in class?**

Two lessons out of five are on skills. One lesson is on a listening skill where you do listening questions on a variety of topics. One lesson is a written question with a WAGOLL and you will write your own version. This is then marked against exam criteria. You are completing homework's each week, which are written tasks, translations and learning vocabulary.

All students in Spanish and French have been invited to an October booster session on listening skills where we practiced vocabulary and listening skills during the session on a variety of topic areas.

During the content lessons for the next unit of work students will practice GCSE style questions on these topics.

Recall BIG task review key verbs and vocabulary

You have completed end of unit assessments at the end of October term on the environment and previous topic areas. You have had feedback lessons on your performance.

### **What homework have you been given in the run up to the mocks?**

30 minutes a week -The homework will involve preparing for a written exam with 90 word / 150 words for higher students and 40 / 90 words for the foundation students. You will also have a few key verbs / vocabulary to learn

### **What websites/ revision guides should you use for your revision?**

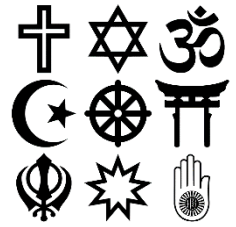
GCSE French AQA Complete Revision & Practice (with CD & Online Edition) - Grade 9-1 Course (CGP GCSE French 9-1 Revision)

GCSE German AQA Complete Revision & Practice (with CD & Online Edition) – Grade 9-1 Course (CGP GCSE German 9-1 Revision)

GCSE Spanish AQA Complete Revision & Practice (with CD & Online Edition) – Grade  
9-1 Course (CGP GCSE German 9-1 Revision)

BBC Bitesize

# Religious Studies



## Exams

Paper 1 – Beliefs and Practices – 1 hour 45 minutes

Paper 2 – Themes – 1 hour 45 minutes

## Topics that you will need to revise

### Paper 1

Christianity – Sin, crucifixion, Incarnation, Omni benevolence, Church growth, Christian worship, World council of churches, reconciliation, baptism.

Islam – Angels, Heaven and Hell, Tawhid, Prophet hood, Salah, Festivals, Hajj

### Paper 2

Theme A - Relationships and Family – Same sex marriages, Roles of men and women, divorce, Sex outside marriage.

Theme B - Religion and Life – Euthanasia, Treatment of animals, Treatment of the environment, Afterlife.

Theme D - Peace and conflict – Protests, Nuclear weapons, Terrorism, Solutions to war.

Theme E - Crime and Punishment – Community service, Causes of Crime, Hate Crimes, The death penalty.

## How are you being prepared in class?

Use of AQA revision books

Pupil notes

Homework

Knowledge organisers already made

## What homework have you been given in the run up to the mocks?

Mind maps and knowledge organiser production

Revision cards



**What websites/ revision guides should you use for your revision?**

BBC Bitesize - AQA pages

# Computer Science



## Exam

Computational thinking, algorithms and programming – 1 hour 30 minutes

## Topics that you will need to revise

### 2.1 Algorithms

- Computational thinking
- how to produce algorithms using:
  - pseudocode
  - using flow diagrams
- interpret, correct or complete algorithms.

### 2.2 Programming techniques

- How to use sub programs (functions and procedures) to produce structured code
- Arrays
- The use of variables, constants, operators, inputs, outputs and assignments
- the use of the three basic programming constructs used to control the flow of a program:
  - sequence
  - selection
  - iteration (count and condition controlled loops)
- The use of basic string manipulation
- The use of basic file handling operations:
- The use of data types: integer, real, Boolean, character and string, casting
- The common arithmetic operators
- The common Boolean operators.
- Structured Query Language (SQL) SELECT, FROM, WHERE, LIKE, AND, OR

### 2.3 Producing robust programs

- Defensive design considerations
- Logic error
- Syntax error
- the purpose of testing
- types of testing:

### 2.4 Computational logic

- applying computing-related mathematics: +, -, /, \*, Exponentiation (^), MOD, DIV

- why data is represented in computer systems in binary form

## 2.6 Data representation

- Images
  - how an image is represented as a series of pixels represented in binary
  - metadata included in the file
  - the effect of colour depth and resolution on the size of an image file
- Numbers
  - how to convert from binary to hexadecimal equivalents and vice versa
  - check digits.

**Topics that you have done which will not be on any paper and therefore you don't need to revise?**

- **2.5 Translators and facilities of languages**

**How are you being prepared in class?**

- Will be covering the above mentioned topics in lesson in different formats
  - Exam style questions
  - Quizzes
  - Theory

**What homework have you been given in the run up to the mocks?**

- You will be given homework on each of the above mentioned topics.

**What websites/ revision guides should you use for your revision?**

- <https://erevision.uk/auth>
  - Login: gmail address - Password: 1234Apple
- <https://senecalearning.com/en-GB/>
- <https://www.teach-ict.com/>
  - Login: wf41nf - Password: password