

LAWNSWOOD
— SCHOOL —

Y11 Mock Exam Subject Information

Year 11 Parents' Guide: English

There are 2 literature papers:

Paper 1: Macbeth and A Christmas Carol. One essay on each text. (1 hr 45 mins)

Paper 2: An Inspector Calls (one essay), Anthology Poetry (one essay comparing 2 poems) and Unseen poetry (2 questions) (2 hrs 15 mins)

Both papers are **closed book**: so your child will need to **know quotations** for the main themes and characters from all of the texts, in addition to understanding the plot and context. They will also need to revise English terminology.

How can you help your child be ready for GCSE English Literature?

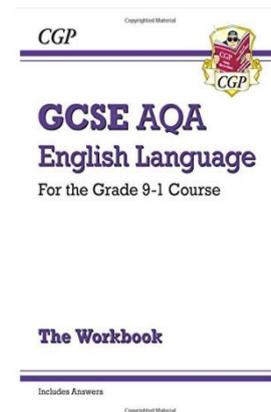
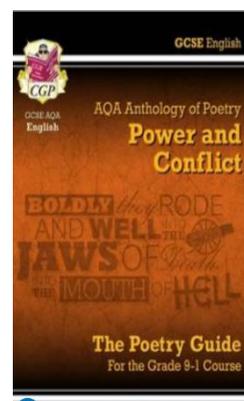
1. Encourage them to create a **revision timetable**- and to follow it.
2. There are **revision sessions on every Thursday 2.45-3.45** in the English department. If they need support or just a space to study these will be on every week.
3. Buy copies of the texts and encourage them to read and **re-read** them. This will also mean that they can make notes on the texts and use them in lesson and at home to help their revision.
4. There are **revision guides** available and lots of resources online for all of the Literature texts. Knowing the context such as what life was like when it was written or set will help improve their marks- so **researching** this is important too.



CGP produce useful revision guides for A Christmas Carol, An Inspector Calls, Macbeth, Power and Conflict poetry and AQA Unseen Poetry which retail at £5.95 but some of which will be available in school for £3. York Notes also offer study guides on these texts.

English Language

Looking ahead for after Christmas, CGP also have a guide to support towards the English **Language** mocks. This is titled '**GCSE AQA English Language For the 9-1 Exams**'. It contains model answers and breaks down the criteria, as well as giving some practice questions. Plus there is a practical and more interactive '**workbook**' which were an effective tool for many of our Year 11s last year so we recommend it.



Maths revision information

Go to Corbett Maths, find the video by clip number and complete some of the practice questions provided.

Foundation					Higher				
Angles in Polygons	25	32	33	37	3D Pythagoras	259			
Average and Range Reasoning	50-57				3D Trigonometry	332			
Bearings	26				Algebraic Proofs	365			
Bounds	183	184			Angle Reasoning	25	32	33	37
Changing the Subject of a Formula	7				Area of Compound Shapes	41			
Circles	59	60			Averages and Reasoning	50-57			
Collecting Like Terms	9				Bearings	26			
Common Multiple	218	224			Box plots	146	150		
Comparing Fractions	131	144			Changing the Subject of a Formula	7	8		
Compound Measure Reasoning	384				Circle Theorems	64-65f			
Distance Time Graphs	171				Congruent Triangles	66	67		
Division of Decimals	92				Cumulative Frequency	153	154		
Drawing Quadratic Graphs	264-265				Direct and Inverse Proportion	254	255		
Equivalence of ratio and fractions	269a				Distance Time Graphs	171			
Essential Fractions, Decimals and Percentages	129				Dividing into a ratio	269-271			
Frequency Trees	376				Drawing Quadratic Graphs	264			
Index Notation	172-175				Equation of a circle	12			
Inequalities	177-179				Fractions of Amounts	137			
Non-Calc Trigonometry	329-331	341			Fractions to Recurring Decimals	96			
One Step Addition Equations	13-16				Geometric Sequences	286-290			
Parts of a Circle	61				Gradient Problems	189	190		
Pictograms	161	162			Index Notation	172-175			
Pie Charts	163	164			Inequalities	177-179			
Probability	250-253	245			Inequalities with Negative Coefficients	176-180			
Pythagoras	257-261				Inverse Composite Functions and Graphs	370			
Ratio	269-271				Mixed Numbers and Surds	305-308			
Repeated Percentage Increase	238				Pie Charts	163	164		
Scale Diagrams	283-284				Probability and Relative Frequency	250-253			
Scattergraphs and Reasoning	165-168				Probability from tables	244-253			
Sequences	286-288				Proportion and Algebra	254	255		
Simultaneous Equations	295	296			Quadratic Inequalities	378			
Standard Form	300-303				Ratio as Fraction	269-272			
Substitution	20				Repeated Percentage Increase	236	238		
Time	322				Simple Bounds	183	184		
Volume Problem	355-357				Simultaneous Equations	295			
Writing one number as % of another	237				Solving Quadratics Using the Formula	267			
					Standard Form	300-303			
					Tree Diagrams	252			
					Trigonometry	329-341			
					Understanding Similar Shapes	291-293			
					Vectors	353			
					Venn Diagrams and Probability	380			

Revision for Year 11 Geography

Paper 1 – Living with the physical environment

Q1 The challenge of natural hazards

Q2 The living world

Q3 UK Physical landscapes – Coastal landforms

Q5 UK Physical landscapes – Glacial landforms

Paper 2- Challenges in the human environment

Q1 Urban issues and challenges

Q3 The challenge of resource management

Q6 Energy issues issues

Paper 3 Geographical applications

Q1-3 Pre release booklet questions - booklet issued- must bring in to exam

Q4-5 FIELDWORK QUESTIONS- testing understanding of Hornsea physical/human hypothesis and Hornsea human hypothesis- your green and yellow notes booklets

Use 5 books of notes, the revision guide and BBC BITESIZE AQA GEOGRAPHY online resources.

1. Complete A3 sheet of content for all 5 themes
2. Practise questions at end of revision guide chapters and Bitesize practice questions.

GCSE History

Topics for Y11 mock exam

Germany 1890-1945 : Democracy and Dictatorship

- Germany and the growth of democracy (Kaiser, First World war, Weimar)
- Germany and the depression (economic crisis, failure of Weimar government, rise of Hitler/Nazis)
- The experiences of Germans under the Nazis (economic change, social change, control)

Conflict and Tension in Asia 1950-1975

- Conflict in Korea (causes, development and end of Korean war)
- Escalation of conflict in Vietnam (end of French colonial rule, US involvement, President Johnson)
- The ending of conflict in Vietnam Nixon's war, opposition, end of the war)

Britain : Health and the People c1000 to the present day

- Medicine stands still (Medieval medicine, role of religion, public health and the Black Death)
- The beginnings of change (Renaissance, Vesalius, Pare, Harvey, hospitals, John Hunter, Jenner and vaccination)
- A revolution in medicine (Pasteur, Koch and Germ theory; Simpson Lister and surgery, public health and cholera)
- Modern medicine (Fleming and penicillin; war, technology and surgery; modern public health)

Details can be found at: <http://www.aqa.org.uk/subjects/history/gcse/history-8145>

Useful revision websites: <https://www.bbc.co.uk/education/examspecs/zxjk4j6> (Germany and Conflict in Asia) and <https://www.bbc.co.uk/education/topics/zqtgfrd> (Medicine: written for A-G exams but useful from Medieval onwards)

Combined science – The biology Exam - HT

Topics covered:

Cells

Organisation

Disease and infection

Equations you will need to be able to use

$$\text{magnification} = \frac{\text{image size}}{\text{real size}}$$

Skills you should really practice

Writing a 6 mark method that focuses on measurements you will need to make, variables you will change and variables you will control.

Using data from graphs or tables to describe patterns and draw conclusions.

Calculating a mean rate from a graph

Calculating a percentage change using data from a graph or table

Evaluating different scientific technologies in a structured 6 mark evaluation (this skill comes up twice for two different 6 marks questions so you really want to make sure you have it confident before you walk into the exam. Talk to your teacher and take the help they are offering!).

Combined science – The biology Exam - FT

Topics covered:

Cells

Organisation

Disease and infection

Equations you will need to be able to use

$$\text{magnification} = \frac{\text{image size}}{\text{real size}}$$

Skills you should really practice

Writing a 6 mark method that focuses on measurements you will need to make, variables you will change and variables you will control.

Using data from graphs or tables to describe patterns and draw conclusions.

Calculating a mean rate from a graph

GCSE Biology

Topics covered:

Cells

Organisation

Disease and infection

Equations you will need to be able to use

$$\text{magnification} = \frac{\text{image size}}{\text{real size}}$$

Skills you should really practice

Finding a median value in a set of data

Using a sequencing map to structure a step by step process (6 mark QWC question)

Improving the reproducibility of an investigation

Plotting accurate graphs including the lobf

Giving answers to a certain number of significant figures

Using data from graphs or tables to describe patterns and draw conclusions.

Structure to function descriptions (6 mark QWC question).

Chemistry Trilogy Foundation

Topics covered:

Atomic structure

Bonding

Quantitative Chemistry

Chemical change

Energy change

Calculations you will need to be able to do:

- Reacting masses (moles=mass/molecular mass)
- Percentage by mass of an element in a compound

Required practicals you need to know:

- Investigating temperature changes
- Preparing a salt from an insoluble metal carbonate or oxide

Skills you should practice:

- Describe improvements to scientific methods using your knowledge of the required practicals.

- Evaluating models of scientific principles by comparing advantages and disadvantages of each using given information and your own knowledge.
- Writing a 6-mark method including details of the equipment you will need to use, health and safety precautions and variables you will change, measure and control.
- Using data from a table to form a conclusion.
- Plotting graphs and drawing a line of best fit.

Chemistry Trilogy Higher

Topics covered:

Atomic structure

Bonding

Quantitative Chemistry

Chemical change

Energy change

Calculations you will need to be able to do:

- Reacting masses
- Percentage by mass of an element in a compound
- The number of moles in a solid and solution (Moles=concentration x volume & moles=mass/molecular mass)
- Bond energy calculations

Required practical:

- Investigating variables that affect temperature changes in reacting solutions.
- Preparing a salt from an insoluble metal carbonate or oxide using a Bunsen burner to heat the dilute acid and a water bath to evaporate the solution.
- Investigate the electrolysis of a solution using inert electrodes.

Skills you should practice:

- Describe improvements to scientific methods using your knowledge of the required practicals.
- Evaluating models of scientific principles by comparing advantages and disadvantages of each using given information and your own knowledge.
- Writing a method including details of the equipment you will need to use, health and safety precautions and variables you will change, measure and control.
- Using data from a table to form a conclusion.
- Plotting graphs and drawing a line of best fit.

Chemistry Separates Higher

Topics covered:

Atomic structure

Bonding

Quantitative Chemistry

Chemical change

Energy change

Calculations you will need to be able to do:

- Reacting masses
- Percentage by mass of an element in a compound and relative formula mass
- The number of moles in a solid (moles=mass/molecular mass), solution (Moles=concentration x volume using both mol dm^{-3} and g dm^{-3})
- Bond energy calculations
- Percentage yield and atom economy of a reaction
- Titration calculations – deducing the reacting volumes and concentrations of solutions.

Required practical:

- Investigating variables that affect temperature changes in reacting solutions.
- Preparing a salt from an insoluble metal carbonate or oxide using a Bunsen burner to heat the dilute acid and a water bath to evaporate the solution.
- Investigate the electrolysis of a solution using inert electrodes.
- Determine the reacting volumes of solutions of a strong acid and strong alkali by titration.

Skills you should practice:

- Describe improvements to scientific methods using your knowledge of the required practicals.
- Evaluating models of scientific principles by comparing advantages and disadvantages of each using given information and your own knowledge.
- Writing a method including details of the equipment you will need to use, health and safety precautions and variables you will change, measure and control.
- Linking different areas of the course together and using these to explain key scientific concepts.

Combined science – The Physics Exam - HT

Topics covered

Electrical circuits

Energy transfer

Radioactivity

Atomic structure

The required practical (investigating heat capacity)

Kinetic theory

Equations you will need to be able to use

$$V = IR$$

$$E_k = \frac{1}{2}mv^2$$

$$P = m/v$$

$$E = mL$$

Skills you should really practice

Drawing sketch graphs

The idea of uncertainty in an investigation

Plotting accurate graphs

Multiple-step calculations

Combined science – The Physics Exam - FT

Topics covered

Mains electricity

Radioactivity

Atomic structure

The required practical (investigating heat capacity)

Kinetic theory

Electric circuits

Energy transfer

Equations you will need to be able to use

$$V = IR$$

$$E_k = \frac{1}{2}mv^2$$

$$E = mc\Delta T$$

Skills you should really practice

Drawing sketch graphs

Showing your working when calculating with equations

Re-arranging equations to change the subject.

GCSE Physics Exam

Topics covered

Electrical circuits

Energy transfer

Radioactivity

Atomic structure

The required practical (investigating heat capacity)

Kinetic theory

Equations you will need to be able to use

$$V = IR$$

$$E_{gp} = mgh$$

$$p = m/v$$

$$E = mc\Delta T$$

$$P = E/t$$

$$E_k = 1/2mv^2$$

$$E_{ep} = 1/2ke^2$$

Efficiency = Useful energy transferred/total energy transferred

Skills you should really practice

Drawing circuit diagrams

Using a sequencing map to describe a process chronologically (6 mark QWC question)

Using a graph to calculate rate of change

Calculations requiring multiple steps

Describing a method for a scientific investigation (6 mark QWC)

Revision for Modern Foreign Languages

- Students will sit a Foundation Listening Paper in the hall, to get used to the acoustics (since this will be used for the real exam).
- Students will also sit a Foundation Reading Paper in the hall.
- Students will do a Foundation/Higher Writing Paper with their class teacher, who will decide which tier they will be doing.
- Students sitting a Higher Reading/Listening paper will do this in class with their teacher, as it only involves a few students.
- There will be a Speaking test in December, which will be part of this mock. This will be during the last week of term (week commencing 11th December)

All of the topics studied so far will be covered in the mock and students should be preparing and revising all of these.

EPR Revision for the mock - Thematic paper

Crime and Punishment

Religion and rules

Crime

Aims of punishment

Treatment of criminals

Forgiveness

Capital punishment

Peace and Conflict

Forgiveness and reconciliation

Violent protest

Terrorism

Just war and holy war

Pacifism

Religion and life

Creation

Environment

Animal rights

Abortion

Euthanasia

Human right and social justice

Human rights

Prejudice and discrimination

Wealth and poverty

Exploitation of the poor

GCSE Food Preparation and Nutrition AQA 8585

Topics to revise

Food Nutrition and Health - Nutrition, meal planning, Health problems related to diet

Food Science – functional and chemical properties of food

Food safety and Hygiene – Food spoilage, poisoning, safe food preparation

Food Choice – Influences on food choice

Food provenance Food processing, Sustainability, Global food production

Food Preparation skills –Practical skills

Useful resources

All students have access to digital copy of text book

www.illuminate.digital/aqafood

SLAWNSWOOD3

STUDENT 3

All students can purchase

CGP Revision guide and exam practice workbook

www.aqa.org.uk/subjects/food/gcse/food-preparation-and-nutrition-8585

Product Design

2 hour written paper.

You will need a pen, pencil, ruler, rubber, sharpener and colouring pencils

Section A- Design

Pre-release for the design question – Flat pack charity boxes

- Writing a specification/design criterion (things it must do)
- Completing a detailed drawing (2D and 3D)
- Labelling/annotating- What methods could be used to make this (commercial methods)
- Adding colour/design
- Evaluate your design
- Symbols used in design/manufacture and on products. What do these mean?

Section B- Tests your knowledge on materials, processes and design.

- Manufacturing systems and organising production
- Efficient and modern manufacturing systems
- Advantages of CAD/CAM
- Manufacturing processes for card, timber and plastics
- Stock forms of Timber and Card
- Different types of card and timber and their uses.
- Packaging- purpose, use etc
- 6Rs
- Manufacturing a batch of products, methods, checks, use of jigs, templates etc
- Quality assurance and Quality Control
- Marketing- retailer, consumer, brand identity etc

What do I need to do?

Using your revision guide read and learn all of the topics suggested above. Test your knowledge using the workbook that goes with your revision guide.

You can also look at you Y10 mock on which you did some green pen work on after looking at the mark scheme.

Familiarise yourself with the Y10 mock exam mark scheme so you know what the examiner is generally looking for.

Remember it is 40% of your final grade and in the summer of 2017 you needed 59 out of a 120 to get a C grade and 71 out of 120 to get a B grade. Therefore, at a minimum you must be aiming for half marks!

Useful website:

www.technologystudent.com

GCSE Textiles

Revision topics for mock exam

1. For the design question you will be asked to design products based on India, this design will need to be annotated in detail
2. Topics to revise include:

Types of fibre and properties, including fibre combination

Fabric construction

Smart and modern textiles

Textile finishes

Fabric Decoration techniques

Use of CAD and CAM in Textiles

Industrial production of Textiles

Quality Control

Health and Safety

Students should use their revision notes from their purple theory book as well as revision guides.

www.textiles4U.co.uk is also useful.

Art Revision

Plan for a final piece based on Natural Forms/ Portraits.

Link your plan to all sketchbook studies.

Revision List for Health and Social Care

Topic 1 Human Growth and Development

- Growth
- Development
- Milestones
- Developmental norms
- Lifespan
- Life stages (Infancy / Childhood / Adolescence / Adulthood / Later adulthood)
- PIES Development

Topic 2 Factors

- STI's and HIV
- Pregnancy and underage pregnancy
- Chronic and genetic illness - Cystic fibrosis - Downs syndrome
- Exercise
- Health eating – Obesity - Anorexia
- Economic factors – Income / Poverty/ Wealth/ Material possessions
- Culture, Race, Ethnicity and discrimination
- Relationships – Marriage / divorce and Abuse
- Bereavement
- Drugs and alcohol
- Cultural and Religious expectations (i.e. forced marriage or FGM)
- Crime
- Environmental factors - Housing conditions (damp and mould) / Pollution
- Mental health
- Education (positive / negative experiences and expectations)

Topic 3 Relationships

- Abuse
- Types of relationships
- Features of relationships
- Formal and informal relationships
- Neglect
- Positive and negative effects of relationships

Topic 4 Self concept

- Ideal self
- Self-esteem and self-image
- Factors that affect self-concept
- Positive and negative self-concept key words

Topic 5 Life events

- Expected and unexpected life events
- Informal support
- Statutory support
- Private support
- Third sector support (voluntary including faith based support)

Revision for PE GCSE

Topics for Y11 PE mock as below:

- Skeletal System
- Muscular System
- Cardiorespiratory System
- Fitness
- Preventing Injury
- Participation groups
- Social Groups
- The media in sport.