Year 11 – Revision List

Assessment Window 2: Monday 22 January - Friday 9 February

In this assessment window you will take tests, under examination conditions, in the sports hall. Attached in this hand-out is a general timetable.

You will receive your won personalised timetable of the trial examinations. These examinations will be used to work out a GCSE grade you are working at now and what we anticipate you will get at the end of Year 11. This will form a second tracking report that goes home to your parents and carers. You will use this tracking report when applying for 6th forms, colleges and apprenticeships as evidence of your anticipated grades and effort, as well as your attendance.

To help you prepare for these tests, each subject has provided a revision list. You will take assessments in

- English
- Mathematics
- Science
- Option subjects, where relevant

Other subject areas will give you more revision material in session time as well as this revision list.

Please note that if you have examinations in **Health and Social Care and/or Cambridge National Sport** – these are the **real examinations**. Your tutors have already given you the revision material.

How can you prepare for these assessments?

- Use your 40 minute daily tutor time wisely
- Revise for three subjects an evening, for 30 minutes each
- Use 'Sam Learning' to revise important topic areas
- Get your friends/parents to test you
- Write revision notes and key terms
- Create a revision map for each subject area
- Use the useful revision guides/website links page inside this hand-out

In Term 3 you will receive further help with revision skills and techniques.

Good Luck

Dr S D Beach Assistant Principal

Year 11 Trial Examination Timetable

Monday 08-Jan 8.45 PE Practical 4 hrs Wednesday 10-Jan 9.00 Music Y11 1hr Friday 12-Jan 9.00 Music Y10 & 11 1hr Friday 12-Jan 9.00 English Lit Paper 1 1hr Monday 22-Jan 9.00 English Language 1hr 45 1.50 Biology Paper 1 1hr 45 1.50 Maths Paper 1 1hr 45 1.00 Business Studies Paper 1 1hr 45 1.50 Art Practical 2hr 15 26-Jan 9.00 English Lit Paper 2 2hr 15 1.50 Art Practical 2hr 15 Monday 29-Jan Study of Religions 1hr 45 1.50 Art Practical 1hr 45 1.50 Maths Paper 2 1hr 45	Day	Date	Start	Subject	Duration
Priday 12-Jan 9.30 HSC Y10 & 11 1hr 1hr 13:00 Sport Sudies Y11 1hr 1hr	Monday	08-Jan	8.45	PE Practical	4 hrs
Monday 22-Jan 13:00 Sport Sudies Y11 1hr	Wednesday	10-Jan	9.00	Music Y11	1hr
Monday 22-Jan 9.00 English Lit Paper 1 1hr	Eridov	12 lan	9.30	HSC Y10 & 11	1hr
Monday 22-Jan 10.30 English Language 1hr 45	Filuay	12-Jan	13:00	Sport Sudies Y11	1hr
Monday 22-Jan 10.30 English Language 1hr 45					
1.50 Biology Paper 1 1hr 45			9.00	English Lit Paper 1	1hr
Tuesday 23-Jan 9.00 Maths Paper 1 Maths Paper 1 1hr 30 Maths Paper 1 1hr 30 Maths Paper 1 1hr 30 Maths Paper 1 1hr 45 Maths Paper 2 1hr 45 Maths Paper 2 2hr 15 Maths Paper 1 2hr 45 Maths Paper 1 2hr 45 Maths Paper 2 1hr 30 Maths Paper 2 1hr 45 Maths Paper 3 1hr 45 Maths Paper 3 <td>Monday</td> <td>22-Jan</td> <td>10.30</td> <td>English Language</td> <td>1hr 45</td>	Monday	22-Jan	10.30	English Language	1hr 45
Tuesday 23-Jan 1.00 Business Studies Paper 1 1hr			1.50	Biology Paper 1	1hr 45
No	Tuesday	22 lan	9.00	Maths Paper 1	1hr 30
Thursday 24-Jan 1.50	Tuesday	25-Jan	1.00	Business Studies Paper 1	1hr
Thursday 25-Jan 9.00 Art Practical	\\\\ \alpha \ \	24 Jan	9.00	English Lit Paper 2	2hr 15
Thursday 25-Jan 1.50 Art Practical Friday 26-Jan 9.00 Study of Religions 1hr 45 Monday 29-Jan 1.00 Geography Paper 1 1hr 45 Monday 29-Jan 9.00 Biology Paper 2 1hr 45 Tuesday 30-Jan 1.50 Maths Paper 2 1hr 30 Wednesday 31-Jan 9.00 Chemistry Paper 1 1hr 45 Thursday 01-Feb 9.00 History Paper 2 1hr 45 1.50 Spanish Writing 1hr 45 1.50 Spanish Writing 1hr 45 1.00 Geography Paper 2 1hr 45 1.00 Geography Paper 3 1hr 45 1.50 PE Paper 1 1hr 45 1.50 PE Paper 1 1hr 45 1.50 Physics Paper 2 1hr 45 1.50 Physics Paper 1 1hr 45 1.50 Physics Paper 1 1hr 45 1.50 Maths Paper 3 1hr 45 1.50 Maths Paper 3	Wednesday	24-Jan	1.50		
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Friday 09-Feb Thematic Studies 1hr 45			9.00	DT Resistant Materials	2hr
1.00 Spanish Listening and Reading 1hr 30	Friday	09-Feb	9.00	Thematic Studies	1hr 45
			1.00	Spanish Listening and Reading	1hr 30

English

Due to the nature of your Linear Assessments you will be tested on things that you might not have done in lessons for a while; or there may even be things that we haven't covered in sessions yet. These Examinations will help us to understand what you already know and what we still need to work on.

To help you revise please use the information below- and don't forget to speak to your Learning Tutor if you feel like you need some help!

For students sitting English Language - Paper 2:

Topic/Skill	Activities/Websites that	What do I need to do
	will help you ☺	for each question?
Identifying and	Read news articles, blogs and	-One mark is awarded for
extracting	journal entries and bullet point the	each correct statement (up
information	main ideas.	to 4) from 8 given
accurately	http://www.bbc.co.uk/news	statements.
Q1 - 4 marks	http://news.sky.com/	
Q2 Timarks	http://www.theguardian.com/uk	
Summarising	Read fiction and non-fiction texts	-Focus on the key words in
similarities and	and practise identifying the implicit	the question
differences in two	(indirect) information. Use the BBC	-Write your ideas in your
texts	Bitesize website below to practise:	own words
337.33	http://www.bbc.co.uk/bitesize/stan	-Provide evidence from
Q2 - 8 marks	dard/english/close_reading_exam/i	each text
Q2 - o marks	nference/revision/1/	-Synthesise the points from
	http://www.theguardian.com/uk	each text (don't write about
	http://www.independent.co.uk/voic	them separately)
	es/editorials	-Comment on what the
		evidence shows (infer)
Analysing	Read news articles and summarise	-Making a point that
Language	their main points by synthesising	answers the question
	the information and writing it in	-Providing quotations from
Q3 - 12 marks	your own words. You can practise	the text to support and
	this skill on the webpage below:	prove the point that you
		have made.

	https://igcselenglish.wordpress.co m/category/paper-2-question-3- summary-writing/	-Explaining why that quote proves your point -Explaining the effect of that quotation on the reader using subject terminology, ie verb, simile, adjective -Where appropriate selecting individual words from the text and explaining the additional impact.
Respond to two texts by comparing how writers convey their ideas Q4 - 16 marks	Read short stories and consider how the writer uses language for effect. Pick out techniques and words from small sections of fiction texts. You might find this website useful: http://www.bbc.co.uk/education/topics/zc6bcdm	-Comment on the writers' perspectives; what are they? -Provide evidence from each text to support ideas -Comment on HOW writers express these ideas -Use connectives to show you understand the similarities and differences -Compare HOW they express these ideas.
Writing Section You will write a 'real world' text, such as a letter, article, essay, speech or leaflet. You will need to think about a purpose, such as, persuading,	Learn the features of different text types, such as, a newspaper article, a letter, a blog, a script, a speech and a journal entry. Use the Bitesize website on the link below: http://www.bbc.co.uk/education/guides/z97mxnb/revision Look at the different revision pages on the link below to look at writing for purpose and audience:	-Communicate their ideas clearly, effectively and imaginatively -Adapt the correct tone, style and register - Use a range of vocabulary for effect -Use a range of sentence structures effectively -Use accurate spelling -Use a range of punctuation for effect

arguing, explaining	http://www.bbc.co.uk/schools/gcse	
or advising.	bitesize/english/writing/	
Q5 - 40 marks		

Literature Paper 1:

Topic/Skill	Activities/Websites that will help you ©	What do I need to do
		for each question?
A Christmas	Re-read A Christmas Carol to ensure you	-clearly answer the
Carol	know the whole novel. Revise basic	question, using its key
	language classifications as well as other	words as a guide.
30 marks	techniques; consider the structure of the	-provide a range of
	novel. Use the following website:	evidence from the
	http://www.bbc.co.uk/education/topics/zcs	text
	<u>8qty</u>	-Analyse HOW Dickens
		expresses these ideas
		-Link your ideas to
		context

Literature Paper 2:

Topic/Skill	Activities/Websites that will help you ©	What do I need to do for each question?
An Inspector Calls 34 marks	Re-read An Inspector Calls to ensure you know the whole play. Revise dramatic devices as well as other techniques. Use the following website: http://www.bbc.co.uk/education/topics/zxmb4j6	-Clearly answer the question, using its key words as a guideProvide a range of evidence from the text -Analyse HOW Priestley expresses these ideas -Link your ideas to context
Power and Conflict Poetry 30 marks	Re-read the Power and Conflict set of poems to ensure you know each of them well. Revise poetic forms and terms as well as other techniques; link the poems	-Clearly answer the question, using its key words as a guideProvide a range of evidence from each text

	together to practise comparison. Use the following website: http://www.bbc.co.uk/education/topics /z33qxsg	-Analyse HOW both writers express these ideas -Compare the similarities and differences in each text -Link your ideas to context
Unseen poetry	Look at other poems and practise reading for meaning and	-Clearly answer each question, using its key
32 marks	technique without having studied them before. Use the following website: http://www.bbc.co.uk/education/topics/zccxp39	words as a guide -Provide a range of evidence from the text -Analyse HOW the writer expresses these ideas -For the second question, compare the similarities and differences in both poems -Focus on HOW the writers convey their ideas

Maths - FOUNDATION

This list covers the calculator and non-calculator papers. (3 papers)

These are full GCSE papers and may contain some topics you have not yet

Topics

Non-calculator (Paper 1)

- Fraction→Percentage
- Multiples
- Average definitions
- Converting units
- Column addition & Subtraction
- Adding units of time
- Sample Space
- Composite Bar Chart
- Solving Equations
- Sequences
- Angles/Clock Face
- Dividing Fractions
- Substitution
- Changing the Subject
- Adding Fractions
- Multiplying Fractions
- Drawing Linear Graphs
- Percentage of amount
- Approximation
- Significant Figures
- Probability of events
- Relative frequency
- Rate of Change
- Speed Distance Time
- Fibonacci
- Angles in triangles
- Pythagoras
- Kite properties
- Midpoint of a line

Calculator (Paper 2)

- Cube Numbers
- Circle Parts
- Adding negative numbers
- Units of Mass
- Numbers following a rule
- Bearings
- Bank Statement
- Collecting Terms
- Expand Brackets
- Linear Factorising
- Percentage of amount
- 2d shapes
- Calculating profit from prices and quantities
- Increase by percentage
- Inequality listing integers
- Order of Rotation
- Angles in a triangle
- Straight line angles
- Speed Distance Time
- Convert units of speed
- Estimating area
- Reading line graphs
- Perimeter
- Kite side length Properties
- Multiplying Indices
- Volume of a sphere
- Density
- Compound Interest
- Expand double brackets
- Solving a factorised quadratic
- Product Prime Factors
- Ratio → Fraction
- Determine equation of line
- Mean from grouped frequency table

Calculator (Paper 3)

- Solve equation
 - Ratio of different units
- Fraction of amount
- Probability of event
- Calculator Cube Root/Indices
- Pictogram
- Number as percentage
- Calculating a bill
- Percentage and fraction of amount
- ml→litres
- Prime Numbers
- Compound measure
- HCF & LCM
- Frequency Tree
- Short division by 2 digit
- Counting days between dates
- Faces, vertices, edges
- Complete Venn
 Diagram
- Plans & Elevation
- Substitution
- Lengths using coordinates
- Similar shapes
- Calculating from a dist/time graph
- Dividing in Standard Form
- Probability notation
- What is an identity
- Depreciation Graph
- Area of rectangles with algebra
- Loci perpendicular bisector, around a point

Maths - HIGHER

This list covers both the calculator and non-calculator papers. (3 papers)

Topics

Non-calculator (Paper 1)

- Area semi-circle
- Expanding single bracket
- Solving Inequalites
- Percentage Multiplier
- Solve Equation
- Rate of change
- Angles in triangles/parallelogram
- Fibonacci Sequences
- Pythagoras
- Speed Distance Time
- Probability Tree
- Substitution
- Midpoint of line
- Kite Properties
- Vectors
- Approximation (Sig Fig)
- Trig Graphs
- Direct Proportion
- Drawing quadratic
 Graph
- Solving equations with Graphs
- Double Brackets (surds)
- Negative Fraction indices
- Estimating from Histograms
- Rationalising
 Denominators
- Recurring decimal→fraction
- Venn
 Diagram/Probability

Calculator (Paper 2)

- Y=mx+c
- x and / laws of indices
- Relative Frequency
- Upper/Lower Bounds
- Expand Double
 Brackets
- Solution of factorised quadratic
- Compound Interest
- Volume of a sphere
- Density
- Pythagoras using a rectangle
- Standard Form
- Mean from grouped frequency
- Ratio→Fraction
- Reverse Percentages
- Venn Diagrams
- Finding lengths of a trapezium given area
- Proof of number properties
- Spheres in a box
- Surface Area cuboid/cylinder
- Cumulative frequency table and graph
- Inequality Graphs
- Functions (+inverse)
- Speed/Time Graph
- Finding constants in an equation
- Vectors
- Translation of graphs

Calculator (Paper 3)

- Change the Subject
- Standard Form
- What an identity is
- Sketch of a cubic graph
- RelativeFrequency
- Loci –equidistant from 2 points, 1 fixed point
- Plans & Elevation
- Distance time graph + calculating Speed
- Median from table
- Area rectangles with algebra
- Area scale v lengths
- Substitution
- Similar Shapes
- Rate to fill a cuboid
- Box Plots
- Equating Ratios with a common term
- Number as percentage
- Proof of number property
- Completing the square
- Turning Points
- Iteration

 Equation/graph of 	•	Trigonometry	
circle		problem	
	•	Upper & Lower	
		bounds	
	•	Probability Tree	
		with no	
		replacement	
	•	Gradient of a	
		curve	
	•	Describing	
		Transformation	

Extra information for both foundation and higher papers

For both foundation and higher papers - these are full GCSE papers and may contain some topics you have not yet covered

Resources:

http://corbettmaths.com/ https://www.samlearning.com/

<u>Science</u>

1. Biology Paper 1 Key Concepts in Biology Cells and Control Genetics Natural Selection Health and Disease 2. Chemistry Paper 1 States of Matter Atomic Structure The Periodic Table Bonding Acids and Alkalis Calculations involving masses Electrolysis and reactions Quantitative Analysis Dynamic Equilibrium Fuel Cells 3. Physics Paper 1 Motion Motion and Forces Conservation of Energy Waves and the EMS Radioactivity Astronomy 4. Biology CORE Practical's 1. Looking at cells 2. Food Tests 3. Effect of PH on enzymes	
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4. Biology CORE 1. Looking at cells Practical's 2. Food Tests	
Practical's 2. Food Tests	
Practical's 2. Food Tests	
3. Effect of PH on enzymes	
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4. Osmosis in potato Chips	
5. Antibiotics	
6. Photosynthesis	
7. Respiration rates	
8. Field Work	
5. Chemistry CORE 1. Separation techniques	
Practical's 2. Preparation of copper sulphate	
3. Investigating Neutralisation	
4. Electrolysis of copper sulphate	
5. Acid-alkali titration	
6. Rates of reaction	
7. Combustion of Alcohols	
8. Identifying lons	
6. Physics CORE 1. Force and acceleration	
Practical's 2. Investigating Waves	
3. Refraction in a glass block	
5. Investigating resistance	
6. Investigating densities	
7. Investigating Water	
8. Investigating Springs	

Physical Education

- Fitness/health/ exercise and performance
- Components of fitness
- Application of principles of training
- Methods of Training
- Injury & Injury Prevention
- Performance enhance drugs
- Levers & Mechanical advantages in sport
- Goal setting and SMART targets
- Skeletal System
- Muscular System
- CV System
- Respiratory System
- Balanced diet & diet manipulation

<u>History</u>

Paper 1 USA 1920-1973 and Conflict and Tension 1918-1939

Paper 2 Health and the People, Elizabeth 1568-1603 plus Hardwick Hall

Revision booklets are available from Miss Roberts and Mr Hellyer. Booklets can be collected from FO3.

There is a revision theatre trip booked for 30th January 2018, so please bring your slip and payment in.

Geography

Dynamic Development

Sustaining Ecosystems (Rainforests and Arctic)

Distinctive landscapes (Rives and Coasts)

Urban Futures

Resource Reliance

Geographical skills.

Food

The paper includes a range of short and long answer questions on the following topics

- Heat transfer methods in cooking
- Nutritional content of food (including function of nutrients in the body, their sources)
- Planning meals for people with special dietary needs
- Sensory appeal of food
- A balanced diet and balance of nutrients
- Macro and micro nutrients
- Food hygiene and safety

You have log onto DynamicLearning which you can access using your school login and the password "password".

There 20 tests set up for you covering the topics listed above.

You also have your revision guide and question booklet to help with your revision.

Resistant Materials

Section 1

A local manufacturer has asked you to produce a range of ideas for a jewellery storage device that will complement their new range of Charles Rennie Mackintosh inspired jewellery. (Research Charles Rennie Mackintosh and his style of design)

- You will be expected to be able to write a list of design criteria (specification points) for the product.
- You will then need to create 5 design ideas for the product (don't be afraid to be creative).
- You will have to develop 1 of your ideas in detail with full annotation
- Finally need to evaluate your developed design.

Section 2

This section is about more general Resistant Materials topics and covers the rest of the syllabus.

I would advise to you revise and practice answering questions about:

- Sustainability in particular the 6 R's (Recycle, Reduce, Reuse, Refuse, Repair and Rethink
- Hand tools and equipment, their correct names and uses
- Health and safety procedures and signs
- Explaining how to manufacture a product from marking out to finishing (using correct tool names and explaining how multiple copies of the product can be made consistently)
- Identifying materials (using specific names not just wood, metal and plastic) and their properties
- Environmental impact of using metals to manufacture products

- Maintenance of a product to keep it in good working order
- Use of jigs and templates in manufacture of products
- Product analysis and comparison of machine tools and hand tools that can be used to complete the same job.

Good sources of information to use are found at:

- <u>www.focuselearning.co.uk</u> (log in with user name student@landauforte31299 and password m2i8ehfyi) and use the resistant materials section.
- www.technologystudent.com

Product Design

Section 1

This section is a design question about packaging.

You need to research the purposes of packaging (Promote, Inform, Contain, Transport, Protect and Display) and appropriate materials for packaging.

You will be asked to design a piece of packaging suitable for a fragrance bottle. Your design needs to be creative and well presented (6marks), show how the packaging is constructed (net and details of how it is constructed 5 marks), show surface decoration using appropriate colour (5 marks) and explain how it performs it's functions from the first part of the question (4 marks).

Practice drawing packaging and nets.

Section 2

This section is about more general Product Design topics and covers the rest of the syllabus.

I would advise to you revise and practice answering questions about:

- Materials and sustainability
- Product evolution over time
- Manufacturing products
- Inclusive design
- Human factors
- Product labelling
- Use of computers in product manufacture (CAD, CAM, JIT)

You have your revision guide to work from and other sources of information to use are found at:

- www.focuselearning.co.uk (log in with user name student@landauforte31299 and password - m2i8ehfyi) and use the resistant materials section. This contains useful information and quizzes to test your knowledge.
- www.technologystudent.com

Business

A292 Business and People Exam

Skills

1. Define / List:

What does the word mean? Support your answer with a definition. What does this thing contain?

2. Apply / Give Examples:

Can you relate your answer to the case study or story?

3. Analyse / Explain:

Make a point, now say why this point is important to the people in the case study.

4. Evaluate / Discuss / Recommend:

Time to use the 4 paragraph layout.

Start off with the keyword definition and supporting example.

Move on to the good points and how this affects the case study.

Next it's time to discuss the drawbacks and how they affect the case study.

Finally it's the opinion paragraph where you make a recommendation and support it with evidence.

The Need for Business Activity

- 1. Entrepreneurship
- 2. Aims and Objectives
 - i. SMART Objectives
- 3. Aims and Objectives in different sectors
 - i. Private
 - ii. Public
 - iii. Voluntary
- 4. Stakeholders
 - i. Internal
 - ii. External
- 5. Sectors of Industry
 - i. Primary
 - ii. Secondary
 - iii. Tertiary
- 6. Functional Areas of Business

Business Ownership, Growth and Location

- 1. Unincorporated Businesses
 - i. Sole Trader
 - ii. Partnerships
 - iii. Unlimited Liability
- 2. Incorporated Businesses
 - i. LTD
 - ii. PLC
 - iii. Limited Liability
- 3. Franchises
 - i. Franchisor
 - ii. Franchisee

- 4. Co-operatives
- 5. Social Enterprise
- 6. Growth of a Business
- 7. Factors of Location
- 8. Government and Location
 - i. RDA

Employment and Retention

- 1. Contracts of Employment
 - a. Permanent and temporary
 - b. Full time and part time
- 2. Job Description and Person Specifications
- 3. Job Applications
- 4. Shortlisting
- 5. Interviews
- 6. Training
 - a. On the job
 - b. Off the job
 - c. Induction
- 7. Employee Rights and Responsibilities
- 8. Remuneration
 - a. Bonus
 - b. Piece rate
 - c. Commission
 - d. Time rate
- 9. Payslips
- 10. Appraisal and Dismissal
- 11. Trade Unions

The A293 (Case study) exam will take place in sessions after section 4 has been completed.

A revision list will be provided at the time.

Philosophy and Ethics

Christianity

The nature of God:

Christian concepts about God

The Trinity

Jesus Christ:

Historical Evidence about Jesus

Bible stories about Jesus

Miracles of Jesus

Religion Peace and Conflict

- Just war theory
- Christian attitudes to War
- Christian attitudes to Soldiers
- Pacifism
- Gandhi
- Hindu attitudes to War
- Nuclear Deterrent
- Forgiveness and Reconciliation

Religion and Life

- Sanctity of Life
- Medical Ethics
- Euthanasia
- Animal Experimentation in Medicine
- Abortion
- Creation Stories
- Religion and the environment
- Genesis 1+2
- Evolution

Hinduism

- Belief about God
- Castes
- Festivals
- Worship in the home and temple
- Pilgrimage
- Four Aims
- Dharma
- Holy writings

Religion and the family

- Marriage ceremonies
- Roles of men and women in the family
- Attitudes towards sexual relationships
- Divorce
- Choosing a partner
- Divorce and remarriage

Religion, Crime and punishment

- Aims of punishment
- Death penalty
- Forgiveness and reconciliation
- Why crimes happen (suffering)