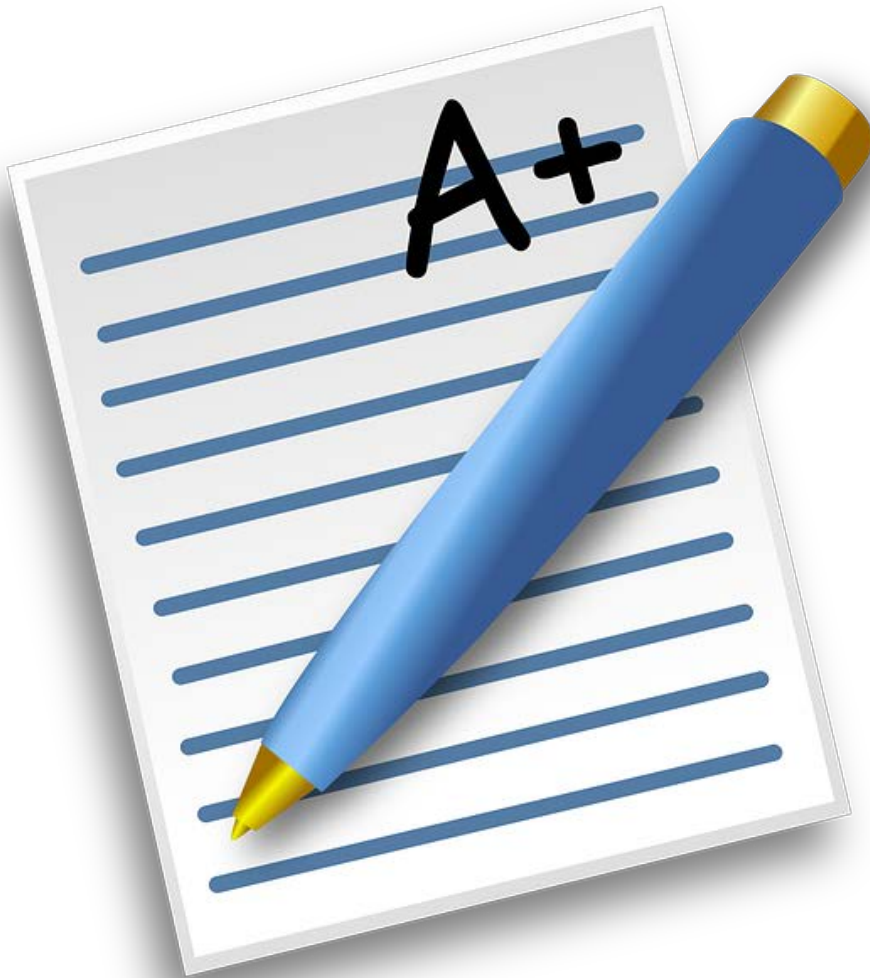




St Martha's

Exam Revision Booklet Fourth Form



Exam Timetable: 5th to 9th June 2017

Subject to change

FOURTH FORM		ROOM 15		
		ROOM 16		
DATE	ROOM	SUBJECT	Length	
MONDAY	Textiles room 15/16	Option A- Textiles Classics Latin Music	Classics- 60min Latin- 60 min Music-	
	BREAK		10:15-10:30	
	Room 15/16	MATHS	2 HOURS	
	LUNCH		12:45-1.45pm	
	Outdoors	GAMES		
Outdoors	GAMES			
DATE	ROOM	SUBJECT	LENGTH OF Exam	
TUESDAY	Room 15/16	REVISION		
		CHEM	60 min	
	BREAK		10:15-10:30	
	Room 15/16	REVISION		
	Room 15- Foundation/ Room 16- Higher	BIOLOGY	60 min	
	LUNCH		12:45-1.45pm	
Art Room 15/16	Option B- Art Business Studies Spanish	45 mins 60 min		
DATE	ROOM	SUBJECT	LENGTH OF Exam	
WEDNESDAY	Room 15/16	REVISION/ PE	60 MINS	
	BREAK		10:15-10:30	
	Room 15/16	ENGLISH	1 HR 30 MINS	
	Room 15/16	LUNCH	12:45-1.45pm	
	Room 15/16	REVISION		
	Room 15/16	RE	90 mins	
DATE	ROOM	SUBJECT	LENGTH OF Exam	
THURSDAY	Room 15/16	REVISION		
	Room 15/16	FRENCH	60 MINS	
	BREAK		10:15-10:30	
	Room 15/16	REVISION		
	Room 15/16/ MUSIC ROOM	Option C- Music/ PE (Nicola only)		
	LUNCH		12:45-1.45pm	
15 15 16 16	Option C- Geography ICT Drama History	Geography- 60 mins Drama- 50mins		
DATE	ROOM	SUBJECT	LENGTH OF Exam	
FRIDAY	Room 15/16	REVISION		
	BREAK		10:15-10:30am	
	Room 15/16	MATHS	2 HOURS	
	LUNCH		12:45-1:45pm	
	Room 15/16	REVISION	60mins	
		PHYSICS		
Correct as of	16/05/2017			
Subject to change				

Examinations & Support

To provide support during the examinations period, please take time to read through the information contained in the documents below;

English

See attached

French and Spanish

Assessments in French and Spanish will start before half term. Students and pupils have received the revision lists and guidance in lessons. Students and pupils have prepared speaking assessments and will be prepare for a writing assessment which will take place after the half term break. Students and pupils are advised to refer to the guidance in their exercise books.

4th Form: Latin Grammar

The exam will be made up of activities in Grammar, translations and comprehension. You will need to revise the following topics:

- | |
|--|
| <ol style="list-style-type: none">1) Verbs of all the conjugations.2) The endings of the verbs in all the tenses in active and passive voice.3) Nouns and cases of all the declensions.4) Nominative (Subject), Accusative (Object), Dative (to/for), Ablative (with/by/from), Genitive ('s/of), Vocative.5) The structure of the sentence.6) Analysis of a sentence.7) Key steps in translation.8) English derivations (examples: <i>confirmo</i>~confirm, <i>visito</i>~visit, <i>omnis</i>-omnipotent) |
|--|

Maths

See attached

Science

4th Form Bio

Life processes
Variety of Life
Breathing and Respiration
Circulatory System
Endocrine system
Nervous system
Digestion
Food
Homeostasis

4th form Chem

Kinetic theory and diffusion
Atomic structure
Bonding
Structure
Formulae and equations
Rates of reaction
Oxygen and oxides
The reactivity series
Acids

4th Form Physics

Motion and position
Motion graphs
Distance, velocity, acceleration
Forces
Forces and shape
Balanced forces
Friction
Extension / hooks' law
Forces and movement
Breaking thinking and stopping distances
Terminal velocity
Momentum
Moments and turning effects
Astronomy
Gravitational forces
Mains electricity
Plugs
Safety with mains electricity
Electric charge
Static electricity
Uses of static electricity

Current and voltage
Circuit symbols
Electrical resistance
Properties of waves
Wavelength, frequency and speed
Refraction and diffraction
Using waves
Digital and analogue
Using light waves
Optical fibres
Total internal reflection
Sound waves
Transverse and longitudinal

History

Fourth Form History Revision List:

1. Treaty of Versailles and Weimar Republic set-up
2. Economic problems 1918-1923
3. Political problems 1918-1923
4. Stresemann and his actions 1924-29
5. The birth of the Nazi Party 1919-23
6. Reorganization of the Nazi Party/ The Lean Years 1924-28
7. Munich Putsch
8. Wall Street Crash and its impact
9. Nazis Rise To Power 1930-33
10. Removal of opposition and establishment of a police state.
11. Women in Nazi Germany 1933-39
12. Youth and Education 1933-39

ICT

Practical exams taking place on May 16 and May 18

- Word processing
- Databases
- Mail merge
- Presentations

Theory paper during exam week covering following chapters

Unit / Chapter
Unit 1: Types and components of computer systems
Unit 2: Input and output devices
Unit 3: Storage devices and media
Unit 4: Networks and the effect of using them
Unit 8: Safety and security
Unit 11: File management
Unit 12: Images
Unit 13: Layout
Unit 14: Styles
Unit 15: Proofing
Unit 17: Document production
Unit 18: Data manipulation – Access Database
Unit 19: Presentations

Classics-

4th Form: Odyssey

There will be one 60 minute paper on **Epic & Myth: *Odyssey***

- The exam will consist of 2 sections
- The total number of marks for the whole paper is **60**.

Section A: Context Questions

- Answer **two** questions out of the **three** given.
- There will be an a), b) and c) sub-section in each question, each sub-section is worth 5 marks. Each question will focus on one of the three Assessment Objectives

AO1 – Factual Knowledge
AO2 – Understanding & Explanation
AO3 – Analysis & Evaluation

- Make sure you identify which assessment objective is the focus of each question before you begin writing.
- The total number of marks for this section is **30**.

Section B: Essay

- Answer **one** question out of the **two** given.
- The total number of marks for this section is **30**.
- AO1 = 11 marks, AO2 = 8 marks, AO3 = 11 marks

Topics for revision

- Book 5, 6, 7, 9 & 10 of the *Odyssey*
- Odysseus as a hero
- The role & characterisation of Odysseus, Calypso, Nausicaa, Alcinous, Arete, Polyphemus, Circe & Athena.
- The role of the gods.
- The role of women.
- Xenia (guest-host relationship) in the *Odyssey*.
- Civilisation & barbarism.
- Homer's narrative & descriptive techniques.
- Homer as a story-teller & the idea of epic.

Religious Studies-

- Creation
- Incarnation
- Triune God
- Kingdom of God

Business Studies- See attached

Art & Design- See attached

MUSIC

Revise the four set works:

Music For A While

Killer Queen

Defying Gravity

Star Wars

Theory

There will be listening questions on each set work, a compare and contrast essay and some theory.

DRAMA

55minute exam based on The Crucible. The questions include ideas on design, directing and performance of an extract from the text.

Pupils are currently in the middle of their devised piece so this exam is a revisit of the set text taught earlier in the year to keep it fresh in their minds for their written exam next year.

Students have received revision material to prepare them for this exam.

Geography

The living world

The interaction between biotic and abiotic components of an ecosystem

Small scale UK ecosystem:

The balance between components.

The impact on the ecosystem of changing one component.

Tropical rainforests and Hot Deserts

Know the following for each ecosystem:

The physical characteristics

The interdependence of climate, water, soils, plants, animals and people.

Plant and Animal adaptations.

Issues related to biodiversity.

Threats to the ecosystem: Tropical Rainforest (case study)

Opportunities and managing the ecosystem: Hot deserts (case study)

Physical landscapes in the UK

Location of major upland/lowland areas and river systems.

Rivers

Features of a river

The long profile and changing cross profile of a river and its valley.

River Processes: Erosion, transportation and deposition

Erosion Landforms: V shaped valleys, Waterfalls and gorges

Erosion and Deposition landforms: Meanders/oxbow lakes flood plain Levees

estuaries/deltas

Managing Rivers: Hard and soft engineering.

An **example** of a flood management scheme in the UK to show: Boscastle

Glaciated Areas - Ice

Ice cover across the UK during the last ice age.

Glacial processes: freeze-thaw weathering

erosion – abrasion and plucking

movement and transportation – rotational slip and bulldozing

deposition – why glaciers deposit sediment (till and outwash).

Landforms resulting from erosion: corries, arêtes, pyramidal peaks, truncated spurs, glacial troughs, ribbon lakes and hanging valleys.

Landforms resulting from transportation: moraines

Landforms resulting from deposition: erratics, drumlins, types of moraine.

Economic uses of Glaciated areas.

Case study of an area in UK affected by glaciation: Tourism in Lake District

Using OS map

English Language- IGCSE textbook activities and past papers on CIE website

www.bbc.co.uk/bitesize/gcse/english/

www.englishbiz.co.uk

www.guardian.co.uk

www.sparknotes.com

www.shmoop.com

English - Fourth Form Revision List

Use this sheet as a checklist to organise your revision material for IGCSE

English Language (“English as a First Language”). The exam board is:

Cambridge (“CIE”).

English Language

- IGCSE textbook activities and past papers on CIE website (see your English teacher)

- List of argument strategies used in coursework

Key materials and recommended websites

Model essays and answers to past paper questions

www.bbc.co.uk/bitesize/gcse/english/

This is a very accessible revision source to develop students' confidence.

www.englishbiz.co.uk

Some useful revision material related to English Language.

www.guardian.co.uk

This is probably one of the best newspaper resources online. It is excellent preparation for English Paper 1 with its media focus. It is also a good way to brush up on argumentative writing, review writing and formal letters. All newspapers have online sites and you should dip into these on a regular basis to get a flavour of stylistic features.

www.sparknotes.com and www.shmoop.com

Some basic revision notes for the literary texts to refresh your daughter's understanding.

Additional Support

There is an English clinic every Thursday lunchtime in Room 23 if you would like to have some additional support.

BUSINESS GCSE 4th Form

Revision list - June 2017

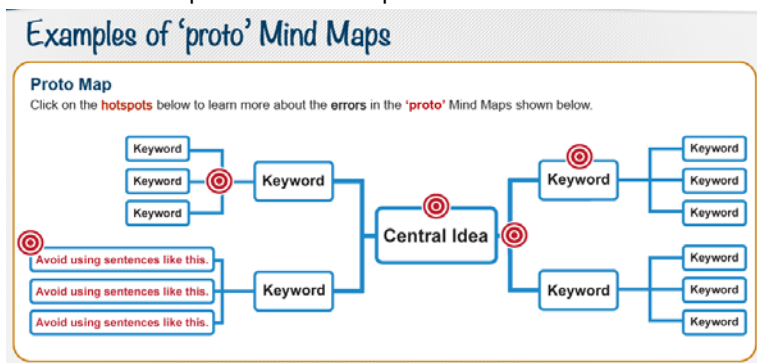
Multiple choice questions 45 minutes 40 marks

1. Businesses (page 8 - 10): Customer, Consumer, Supplier and Markets.
2. Understanding customer needs (P 12 to 15)
Market research primary and secondary, Qualitative and Quantitative
3. Market mapping (p16 -19)
Market gaps, Market segments, Price sensitive, Market map.
4. Competition (p20 - 23)
Analysing competition, Brand, Brand image and product range
5. Added value (p24 – 26)
Sources of added value
6. Franchising (p28 -31)
Franchisee, Franchisor, Benefits, advantages and disadvantages, Location of the franchise
7. What is enterprise? (p36 - 38)
8. Thinking creatively : the thinking hats (p40 - 43)
9. Questions to be asked (p44 - 47)
10. Invention and innovation (p48 – 50)
Patents, copyrights and trademarks
11. Taking a calculated risk (p52- p54)
12. Important enterprise skills. (p56 – p59)
13. Putting business ideas into practice: Qualities of entrepreneurs, Costs, revenues and profits, Cash flows, the business plan, Obtaining finance
Page 64 - 87
14. Making the start up effective in business: Customer focus, Limited liability, Start-up legal and tax issues; Customer satisfaction; Recruiting motivating and training staff.
Page 92-110
15. Demand and Supply: Commodities, Demand and Supply, Goods market
16. The impact of Interest rates: Credit, The Bank of England, Interest rate, Consumer spending; Variable and Fixed interest rates.
17. The impact of Exchange rates: Imports and exports. Effect of changes in the rates of exchange. Calculations from GBP to foreign currency and reversals.
18. How do business cycles affect small businesses? ••understand that economic activity tends to rise and fall and that changes in the level of economic activity
19. What effect do business decisions have on stakeholders?

Study and learning habits for Business Studies (Summer exam)

Helping your daughter to establish effective study and learning habits can help to reduce stress:

- Is there an uncluttered table where she can work? Help her to find somewhere at home which is likely to be mostly undisturbed
- Encourage her to find out exactly what the test involves - Past test papers for Unit 1 and Unit 5 are readily available. Regular practice will help her understand what to expect?
- Encourage her to ask for help or ask me (teacher) for clarity if they are unsure of something or if they feel confused Thursday session 2 of Lunch.
- Help her to make 'mind maps' to collect ideas and summarise thoughts - use bright colours to help remember important links



- Help her to plan their study schedule early on so that they have sufficient time to study. It can be helpful to develop a clear, realistic plan of what they want to cover in each study session. Can they break it down into small chunks?
- Remind her to take a short rest and move around in between each part of their study
- Offer help sometimes. It can be useful having someone **to listen to or practise with.**

Practical ideas to help your child cope with exam stress

- Encourage your daughter to stick to a routine of going to bed at a reasonable time, eating regularly and making time to have fun and exercise
- Encourage her to take time out when they eat, rather than carrying on with study
- Encourage her to eat fresh fruit, veggies, cereals, grains, nuts and protein - they are all good for the brain and blood sugar levels.
- Encourage her to eat when they get hungry. This keeps blood sugar and hydration levels steady
- Avoid junk food if possible because it will bring a sudden sugar high and then fall away quickly leaving her feeling tired

- It helps to stay calm and offer support - perhaps offer a cup of tea occasionally or logging the rescheduled time of a TV program to watch later.

MATHS- Fourth Form

Bar charts

Pie charts

Percentages

Parts of a circle

Angles (including measuring angles)

Reading scales

12-hour clock and 24-hour clock

Sequences

Symmetry

Changing words into algebra

Mean, median, mode and range

Exchange rate

Linear equations

Ratio

Substitution

Similar shapes

Indices

Pythagoras' Theorem and trigonometry

Regions

Probability

Metric units of measurement

Coordinates

3-D shapes

Factors and multiples

Prime factorisation

Constructing triangles

Transformations

Distance-Time graphs

Expanding brackets

Operations with fractions

Simultaneous equations

In addition to the text books students are encouraged to complete exam papers and make use of MyMaths.

English - Fourth Form Revision – Summer 2017.

IGCSE English Literature (Cambridge Board)

English Literature

- Your exam will be a comparative essay on two poems from the ‘Songs of Ourselves’ anthology. You will be given clean copies of the poems in the exam.
- Your class teacher will guide you in revising the poems you need for the exam.
- In addition, you should revise your knowledge of poetic language devices, for example:
 - similes
 - metaphors
 - personification
 - enjambment
 - onomatopoeia
 - caesura
 - alliteration
 - repetition

As this is a new anthology which is being used for the first time this year, there is not much additional material on the usual websites such as sparknotes. Your class teacher will have covered everything you need to know in order to do well.

Additional Support

There is an English clinic every Thursday lunchtime in Room 23 at 1.15pm if you would like to have some additional support.

How to Learn

DO THE FOLLOWING for all topics you need to learn:

1. Choose **ONE TOPIC** to learn at a time.
2. After spending a short time on it – **HAVE A BREAK** – then test yourself.
3. Do this several times, until you are certain you know it.
4. Use **TRICKS** to help you learn – see next pages.



NEVER just read through your books...
it does not work!



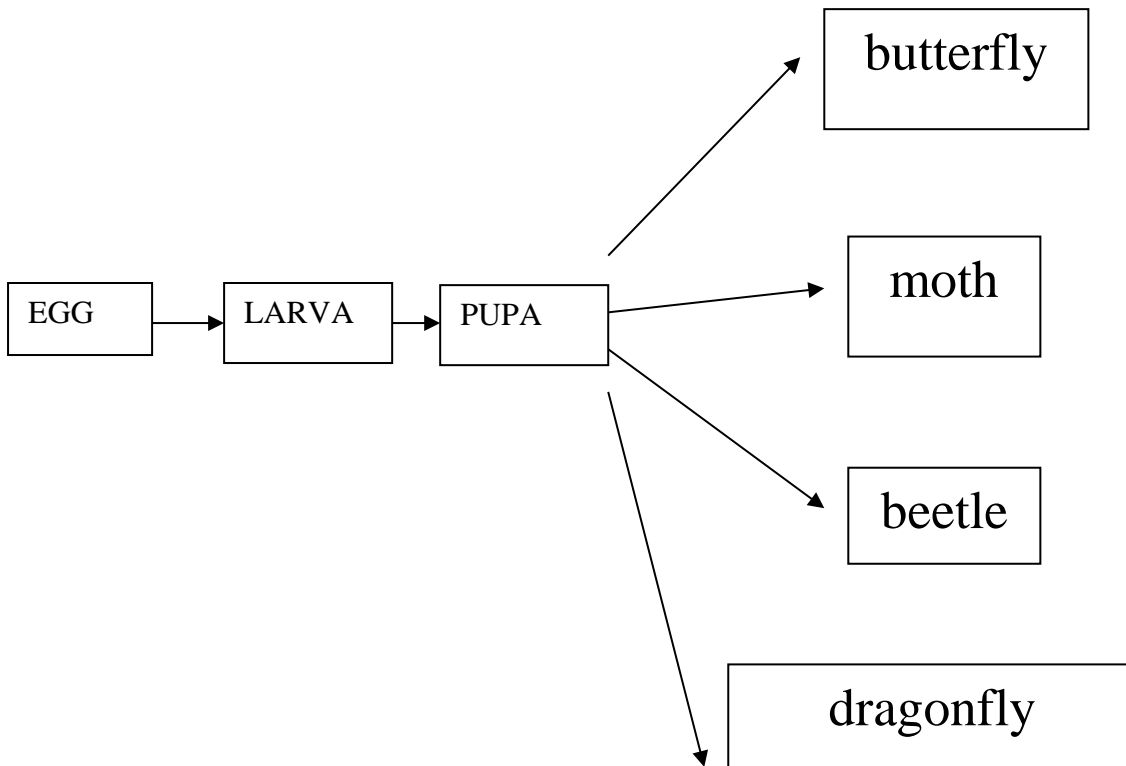
Tricks to Help

- **Always** revise with pen/coloured pencils and coloured paper/post-it notes handy. **DRAW** or **WRITE** what you want to remember.
- Do some **practice questions** – you can ask your teachers for some.
- **Try** using these:

Spider Diagrams



Flow Charts



Mnemonics

Mnemonics (memory aids) are often verbal, something such as a very short poem or a special word used to help a person remember something, particularly lists. Mnemonics rely not only on repetition to remember facts, but also on associations based on the principle that the human mind much more easily remembers insignificant data attached to spatial, personal, or otherwise meaningful information.

To remember the order of the colours in the spectrum:
ROY G. BIV – Red, orange, yellow, green blue, indigo and violet. Or, Richard of York gave battle in vain.

To remember difficult spellings:

Big elephants are ugly...**b**...**e**...**a**...**u**...t...i...f...u...l

To remember the order of the planets from the Sun:
My very excellent mother just sent us nine pizzas.
Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto.

Do you know any others?

Use the Elevate website which contains video tips as well as written study skills tips:

<http://uk.elevateeducation.com/students>

Username: **elevate**

Password: **pacco**

Examination Rules

Always be silent during the examination.

Listen carefully to instructions.

Have the right equipment with you – pens, pencils, ruler, and calculator.

Read the instructions on the front of the question paper – do exactly as told.

Do not leave your seat. Put your hand up for extra paper or help.

When you are told, stop writing and put your pen down straight away.

Occasionally, you will have 120minute block for a 60minute exam – bring revision materials.

Absolutely no mobile phones

Be careful not to do anything that might be considered cheating, even accidentally. For example; notes in books, talking in exams to ask someone for a pencil. Always put your hand up and ask the teacher if you have a problem.

Use Your Time Wisely!



THINK BEFORE YOU WRITE

- READ right through the paper before you start, and see what's there. If there's a CHOICE of questions, decide which to do and mark them (lightly in pencil) – NEVER do more questions than you are asked.
- DON'T WASTE TIME – if you are stuck, go on to the next question, and go back at the end if you can.
- Keep an eye on the clock so that you have time to attempt all the questions.



**KEEP
CALM**

AND

GOOD LUCK

FOR YOUR EXAMS!!

