

YEAR 8 REVISION BOOKLET

Exams Week 1 (08-12 October 2018)

What will I find in this booklet?

- **An introduction to revision techniques**
- **A revision tips mind map**
- **Subject Specific Revision Activities with Stretch and Challenge Activities**

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Southborough High School 2018

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An Introduction to Revision

This booklet aims to help you prepare for your forthcoming exams. We have expectations at Southborough and therefore it is important that you try your hardest to achieve the best grade possible.

Remember to create a revision timetable so that you do not overload, or underload yourself. Revision should be carried out in blocks of 45 minutes. Factor in breaks for snacks, walking the dog, going for a bike ride. A sample timetable is shown below. Make up a similar timetable according to your own school day and stick up on your bedroom wall or in your study area to help you to keep on top of home study and revision.

Good Luck!

| | 5- 5.45pm | 15 minute break | 6-6.45pm | Dinner Time | 7.30- 8.15pm | 15 minute break | 8.30-9.15pm |
|-----------|------------------|---|------------------|---|------------------|-----------------|--------------------|
| Monday | English H/S | TV | Maths Revision |  | ICT H/S | Internet | Science Revision |
| Tuesday | French H/S | Reading | Music Revision |  | RE H/S | TV | History Revision |
| Wednesday | English Revision |  | Geography H/S |  | Maths H/S | Reading | ICT Revision |
| Thursday | RE Revision | Phone Calls | Drama H/S |  | Spanish H/S | Phone Calls | Geography Revision |
| Friday | PRE H/S | TV | Science H/S |  | English Revision | TV | TIME OUT! |
| | 10- 10.45am | 45 minute break | 11.30 – 12.15 | Lunch | 2 – 2.45pm | 1 hour break | 3.45 – 4.30pm |
| Saturday | RE Revision | | Maths Revision |  | English Revision | | Spanish Revision |
| Sunday | French Revision | | Science Revision |  | ICT Revision | | History Revision |

Features of a Good Revision Plan!

No matter what the task, all good revision plans have the following 5 features:

1. List each topic in each subject
2. Decide upon the area which requires the most attention.
3. Work out how much time you have before the tests begin.
4. Match the topics to the time left
5. Tick off the completed work.

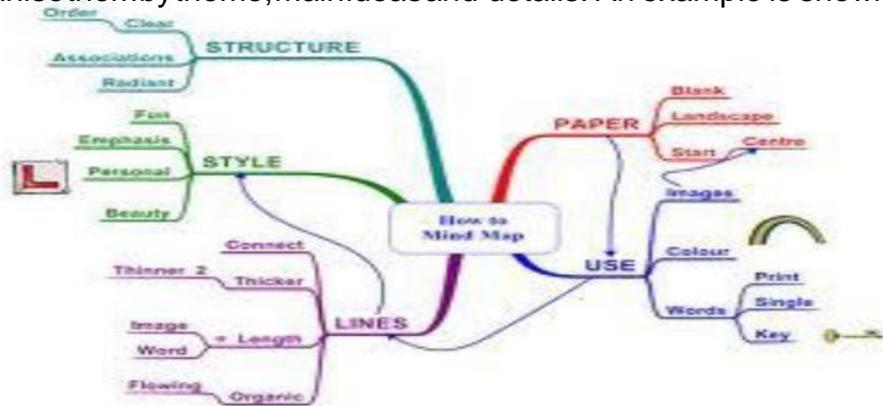
The morning of the test:

- Have a good, healthy breakfast.
- Stick to your normal routine
- Use positive self-talk.
- Imagine positive situations
- Leave the house with plenty of time to spare.
- Bring water with you into the test.

Exam Technique:

- Read questions carefully
- Have spare pens, pencils and rulers at the ready.
- Give yourself time checkpoints
- Underline key words in questions
- In Maths, don't miss out any steps in your workings out!
- Move on if you are unsure of a question. You can return to this later and guess the answer if necessary.
- Distribute time on a question in relation to the number of marks that are available.
- Go back over your answers and double check them!
- Do not leave questions unanswered.

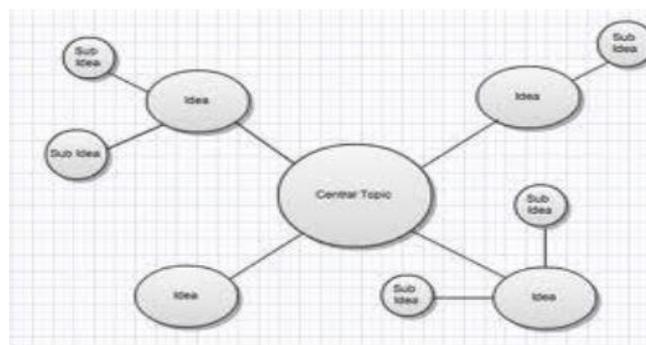
Mind Maps: Mind Maps are excellent memory techniques because, by using a mixture of colour, pictures and imaginations with logical and sequential information, they use both sides of your brain. Condense your notes and organise them by theme, main ideas and details. An example is shown below:



Spider Diagrams: Before you begin revising a topic, you might like to test yourself and see what you know first. This will help to gain impression of how competent you are in a particular area, to see exactly what you need to revise and how much time you should be spending on it. Once you have divided your revision up into manageable sections and allocated time to each part, devote five minutes at the start of each study session to creating a spider diagram detailing all that you can recall about that area of knowledge.

Write the title of the section in the middle of your paper and draw a ring around it. Divide the large section into smaller sub-sections by writing sub-headings around the main word. Use these words as the foundations from which to build your own thoughts around.

Recalling certain facts and arguments will lead you to other connected information and ideas. Once you have written all that you can, take a look at your revision guide, class notes or textbook and try to establish what has been left out. After refreshing your mind on the information you were already familiar with, your revision session should be centred on filling gaps in your knowledge.



Cue Cards: Note/cue cards are always really handy for when you're out and about. List definitions and rules you need to know. Or write key words from which you can fill in the gaps to tell the whole story. These are also (very!) handy for learning language vocabulary. You can buy index cards in any good newsagent that will be a convenient size once cut in half, or buy readymade ones. Once filled in, these cards will allow you to reclaim time that would have been wasted – on the bus/train. Don't forget to place on key words on one side of the cue card and the definition of the word on the other side of the card. Get Mum, Dad, Brother, Sister or even you're Grandma! To test you on your definition.

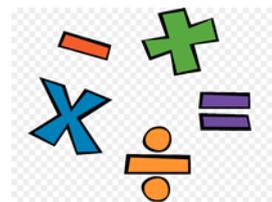




Exam Timetable

| | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|----------|-------------|-----------|----------|----------|
| 1 | History | English | Geography | Maths | Drama |
| 2 | History | English | Geography | Maths | Drama |
| | B | R | E | A | K |
| 3 | PSHE | Engineering | PSHE | Science | Art |
| 4 | PSHE | Enginerring | PSHE | Science | Art |
| | L | U | N | C | H |
| 6 | MFL | PSHE | PSHE | RS | PSHE |
| 7 | MFL | PSHE | PSHE | RS | PSHE |

Subject: Maths



Topics to be revised

- Percentage of an amount
- Converting between fractions, decimals & percentages
- Write one quantity as a percentage of another
- Compare two quantities using percentages
- Find percentage increase/decrease
- Increase or decrease by a percentage
- Find the original value after a percentage change (reverse percentages)
- Compound interest/increase & compound decay/depreciation

Subject Specific Strategies for Revising:

- Write revision cards
- Peer tutoring – work together
- Answering questions – the best way to revise maths is through doing questions, use your textbook or online sheets linked below.

Stretch and Challenge – Home Study Activities:

- Kangaroo maths (<http://www.kangaroomaths.com/kenny3.php?page=KassessKS3>),
- Nrich investigations <http://nrich.maths.org/secondary-lower>

Useful Websites:

- www.hegartymaths.com/ks3/all/ks3
- www.corbettmaths.com/5-a-day
- www.mathsisfun.com
- www.math-drills.com
- www.mrbartonmaths.com

Subject: English



Topics to be revised

- Organise their writing clearly into paragraphs
- Vary their sentence structures
- Use sophisticated vocabulary
- Include varied punctuation
- Use a range of language devices to build imagery
- Develop original and engaging ideas

Subject Specific Strategies for Revising:

- Look back through your exercise book and make notes on effective writing to describe.
- Practice looking for the thoughts and feelings of the characters in texts Revise the following key topics:
- Imagery – metaphors, similes, personifications
- Sophisticated vocabulary
- Parts of speech – verb, noun, adjective, adverbs
- Simple, compound and complex sentences
- Punctuation – commas, semi-colons, colons, dashes, hyphens, speech punctuation
- Paragraphs and cohesive markers
- Using clause structures at different places in sentences
- Using passive and modal verbs
- Prepositional phrases and noun phrases

Stretch and Challenge – Home Study Activities

- Read books which have interesting descriptions of settings and make notes on techniques used by the writer – especially dystopian fiction or science fiction
- Try writing your own descriptions of dystopian or futuristic settings

Wider Reading: Books, Articles and Journals

- KS3 English Workbook (with answers) – CGP
- Spelling, Punctuation and Grammar for KS3 – Workbook - CGP

Useful Websites:

- <http://www.bbc.co.uk/education/subjects/z3kw2hv>
- <http://www.channel4learning.com/sites/waywithwords/main.html>
- <http://www.edufind.com/english-grammar/english-grammar-guide/>

Subject: Geography



Topics to be revised:

- Physical map of Africa
- Label main physical features
- Countries and capital cities
- Reference to Africa's location on a global scale, using lines of latitude and longitude, compass directions, reference to other countries etc.
- Description of Africa's climate across the continent
- Analyse data from a climate graph effectively
- Describe how weather changes in different parts of Africa – compare to climates that polar bears are used to

Subject Specific Strategies for Revising:

- **Mind maps** – these help you generate ideas and make associations and links. They are a powerful memory aid because they are visual; colour, symbols and pictures should be included
- **Key word glossary** – there are many keywords and definitions to learn. You could do this using cue cards (key word on the front, definition on the back) or posters or a list. Including pictures to describe and explain each would be useful. Making a keyword crossword with clues created from the definitions are good to swap between friends!

Stretch and Challenge – Home Study Activities

| Task outline | Success criteria |
|---|---|
| Create a mind map for each of the topics to be assessed | Detailed mind maps including keywords, examples and diagrams/pictures |
| Create a keyword glossary for each topic | A list of keywords and definitions for each topic; this could be on cue cards, in a crossword, in a glossary list |
| Draw, colour and annotate important diagrams | Labelled diagrams of: how latitude affects climate, rainforest plant structure, compass rose |
| Label a world map and UK map | On a blank world map, label the oceans, continents and key countries. Do the same for the UK |
| Practise map skills | Complete the mapzone activities on the OS website (see below) |

Wider Reading: Books, Articles and Journals

ALL Geography text books are available in the LRC to borrow and for reference. There are also other books there to support your learning.

Useful Websites

- <http://www.bbc.co.uk/education/subjects/zrw76sg>
- <http://www.bbc.co.uk/schools/gcsebitesize/geography/>

Subject: History



Topics to be revised

- Why the Catholic Church did come under attack?
- The reformation
- The King's great matter
- Dissolution of the monasteries
- The consequences of the reformation
- Mary I
- The Protestant England

Subject Specific Strategies for Revising:

1. You and a friend could create a word search of all the key words and write the definitions as clues. Swap word searches and try to find words based on the clues they've given you. The following website will assist you in this task.
<http://hotpot.uvic.ca/>
2. Create a detailed mind map of an event you want to study. Highlight the most important points on your completed diagram, then practice explaining the factors highlighted. Draw arrows to show causes and consequences of the event. Explain why you have placed your arrows in those positions.
3. Create a timeline to help understand the chronology of the topic (what happened, in what order).
4. Create cue cards with questions on one side and answers on the other. Get someone else to test you.
5. Choose a picture source and ask 5 questions about the source. (E.g. who produced this source? What is the purpose of this source? What can I learn from this source?) Answer your own questions using evidence.

Subject: Religious Studies (RS)



Topics to be revised:

You will need to revise the work we have done of the following units:

- What is hinduism
- Who are the hindu Gods and Goddesses
- Hindu believe and after life
- The dharma and law
- The extraordinary individuals and how yoga is useful
- What is the relationship between text and practice?
- What is the relationship between religion and culture?
- In what ways does Hinduism intersect with social, gender, and political issues?
- What are some of the issues that face traditional Hindus in the modern world?

Subject Specific Strategies for Revising:

Some ideas for revision:

- Create mind-maps of the main points in each topic
- Create flash-cards of key words and test yourself
- Work with a friend and quiz each other

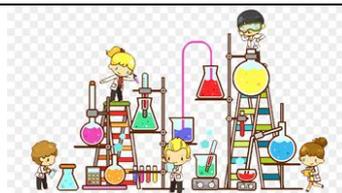
Everything you need for this exam is in your RS book. Remember to look back at your old RS book as well if you have had more than one last year. However, there are some useful places you can look if you want more help:

- <http://www.bbc.co.uk/religion/religions/hinduism/>
- <https://www.britannica.com/topic/Hinduism>
- <http://veda.wikidot.com/hinduism>
- <https://request.org.uk/bible/questions-about-the-bible/did-miracles-really-happen/>
- <https://www.educationquizzes.com/ks3/religious-education/hinduism-01/>

Wider Reading: Books, Articles and Journals

- See above

Subject: SCIENCE



Topics to be revised: All year 7 contents SOME examples below

Biology:

- Explain what all living organisms are made of
- Explain which substances move into and out of cells.
- Describe the similarities and differences between plant and animal cells.

Chemistry:

- Describe how substances change as the temperature changes.
- Compare the properties of acids and alkalis.
- Explain why neutralisation reactions are useful in the context of specific examples.
- Predict the formulae for products of reactions between acids and metals, or acids and bases.
- Identify some forces acting on objects in everyday situations.

Physics:

- Explain the effect of drag forces and friction in terms of forces.
- Describe the effect of gravitational forces on Earth and in space
- Describe how to measure current, resistance and voltage. Including calculations
- Describe the difference between series and parallel circuits.

Subject Specific Strategies for Revising:

1. Short bursts of revision (30-40 minutes) are most effective.
2. A quiet place to revise is important - a bedroom, school, the library can work and switch off your phone so you are not distracted.
3. Make sure that you don't just revise the subjects and topics that you like. Work on weaker ones as well.
4. Make revision notes, this will enable you to remember what they have written down more easily. Stick key notes to cupboards or doors so you can see them every day.
5. Read your revision notes out loud. We remember more than twice as much of what we say aloud than of what we merely read.
6. Use different techniques. Make mind maps, use post-it notes to write key words on, create flash cards. Record notes on your phone and listen to them back.
7. Use highlighter pens to mark important points on your revision notes.

Stretch and Challenge – Home Study Activities:

- Complete the interactive revision tests on online. They will show you where you are less secure in your learning and guide you to where you need to do additional revision.

Wider Reading: Books, Articles and Journals:

- N/A

Useful Websites:

<http://www.bcbitesize.co.uk/science>
<http://www.s-cool.co.uk/science>

Subject: French



Topics to be revised:

Countries

Where you live- types of area

North and South

Present tense activities you do at home

Good and bad aspects of your town

Simple future tense

Places in the town

Types of houses

Opinions

Rooms in the house

Furniture

Directions Time

Daily routine

Transport

Grammar

Present tense

Connectives

Time expressions

Story telling devices

Subject Specific Strategies for Revising:

- Colourful and detailed mind maps on each topic including examples in French
- Cue cards arranged per topics and the associated vocabulary. Ask someone to test you.
- Write vocabulary out and make your own tests.
- Use recommended websites.

Stretch and Challenge – Home Study Activities

- Research new vocabulary on recommended websites.
- Practise tenses and new structures.

Wider Reading: Books, Articles and Journals

- Watch your favourite films and TV programmes in French.
- Read familiar fairy tales in French.

Useful Websites:

www.languagesonline.org.uk

www.BBCbitesize.co.uk



Subject: Spanish



Topics to be revised:

- Foods
- Ask for and ordering food in a restaurant situation
- Higher numbers
- Infinitives with activities you do at home
- Using the verb soler
- Present tense revision + the present continuous tense

Subject Specific Strategies for Revising:

- Colourful and detailed mind maps on each topic including examples in Spanish
- Cue cards arranged per topics and the associated vocabulary.
- Ask someone to test you.
- Write vocabulary out and make your own tests.
- Use recommended websites.

Stretch and Challenge – Home Study Activities

- Research new vocabulary on recommended websites.
- Practice tenses and new structures.

Wider Reading: Books, Articles and Journals

- Watch your favourite films and TV programmes in Spanish.
- Read familiar fairy tales in Spanish

Useful Websites:

www.languagesonline.org.uk

www.BBCbitesize.co.uk



Subject: D&T (Engineering)



Topics to be revised:

- Materials (paper and boards, timbers, plastics, textiles) and components (e.g. Electronic components)
- Tools and Machinery used in the workshop
- Computer coding
- Block editing
- Calculating velocity (speed), distance and time

Subject Specific Strategies for Revising:

- Use Year 8 exercise books to revise (materials, components, tools and manufacturing methods)
- Use mind map technique to revise all subject areas

Stretch and Challenge – Home Study Activities

- Learn about the hardware and software components of a computer, and how they communicate with each other and with other systems
- Representation of Data - including how different types of data are stored and the use of binary
- Maths for Computing - including number bases, Boolean logic and graph theory
- Algorithms and Programming - including sorting, searching, Scratch, BASIC and Python
- Networking - including transmission and error-correction

Wider Reading: Books, Articles and Journals

- N/A

Useful Websites:

<http://www.technologystudent.com/designpro/ideas1.htm> (check examples of design ideas)
<http://www.technologystudent.com/joints/joindex.htm> (materials and components)
<https://www.bbc.com/bitesize/guides/zts8d2p/revision/1>

Subject: Art



Topicstoberevised:

Key Words:

- Revise all key word used this year
- Revise all key words to do with the Elements of Art

Artists:

- Revise the artists we have studied this year
- Be able to identify concepts in their work
- Be able to identify their style or work

Concepts:

- Revise concepts, ideas and themes associated with your unit of studies from the start of the year.
- Techniques:
- Revise the techniques used in the styles of work that you created.

Colour Theory:

- Be able to identify the concepts and rules of the colour theory we covered in lessons.

Subject: Drama



Topics to be revised:

- Learn lines for the duologue acting assessment
- The Drama room is always open to rehearse if students require
- Source a suitable costume and any props that might be needed
- Have all book work and homework activities completed to hand to your teacher on the day of assessment

