

Year 8 Revision Booklet 2018



Introduction

With the exams approaching, now is the time to start revising. There will be several assemblies focusing on revision from both Miss Jones and myself. You will also have some time in PSHE lessons to look at revision techniques and possibly try out a few ways of effective revision. The most important thing is to make sure that your notes are complete. If there are gaps of any sort you must ensure you copy these up, or perhaps copy someone's book and stick this in your own exercise book, (it goes without saying that this work must be acknowledged as your friend's work).

This booklet is designed to signpost the main areas for revision but your subject teachers may well give you more detailed information and guidance. Maths sets will be told which topics will be tested from the full list included here - please see your Maths teacher for these.

Finally, remember that the exams are not something to stress or worry about, but rather an opportunity to celebrate what you know.

Exams begin on Thursday 7th June. Please note that there are no Art, DT, Music, ICT or PE exams as these practical subjects are assessed throughout the year.

Good luck!

Mr Clancy
Head of Year 8

Revision Techniques

1. Mindmaps
2. Revision cards
3. Post-It Notes for key words and definitions
4. Hot Seating with friends or family
5. Note taking
6. Write your own test/exam
7. Teach the topic to parents/friends/siblings
8. Parents as examiners
9. Mnemonics
10. Read aloud, record on phone, listen back
11. Re-do past worksheets and tasks
12. Make a revision game (pairs, snap, snakes and ladders with questions to answer)
13. Revision Apps
 - Quizlet
 - Simplemind
 - Flashcards
 - Speakeasy
 - Book Creator
 - Spark Video

English

There is no prescribed 'revision' as such for English at Year 8: the exam will consist of a comprehension of an unseen passage, plus a piece of personal writing. You will be expected to use the skills and techniques practised during the year.

Maths

1. Negative numbers.
 2. Significant figures, Standard index form.
 3. Highest common factor and lowest common multiple.
 4. Working with decimals, fractions and mixed numbers (to include multiplication and division of mixed numbers).
 5. Ratio.
 6. Percentages - percentage increase and decrease, profit and loss.
 7. Indices and brackets.
 8. Factorisation.
 9. Sequences and the n th term.
 10. Formulas and equations, including equations with the unknown on both sides and equations involving brackets.
 11. Inequalities.
 12. Solution of equations by trial and improvement.
 13. Angle results concerning polygons and parallel lines.
 14. Perimeter, area and volume, including work on parallelograms, trapeziums, circles and prisms (including cylinders).
 15. Reflection and rotation.
 16. Statistical diagrams.
 17. Stem and leaf diagrams.
 18. Simple histograms, frequency polygons and pie charts.
 19. Scatter diagrams.
 20. Probability (combining 2 events).
 21. Mean, median and mode from a frequency table.
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Physics

Magnetism

22. Magnetic materials.
23. Magnetising and demagnetising.
24. Magnetic fields and field line.
25. Properties of magnets.
26. Domain theory.
27. Earth's magnetic field.
28. Electromagnets.

Electricity

1. Series and parallel circuits.
2. Voltmeters and ammeters.
3. Batteries and their properties.
4. AC/DC.
5. Mains electricity and safety.

Pressure

1. Definition and units.
2. Use of the formula $\text{pressure} = \text{force}/\text{area}$.
3. Air pressure; experimental evidence and applications.
4. Hydraulics.

Light

1. Properties of light.
2. Translucent, transparent and opaque materials.
3. Eclipses.
4. Laws of reflection.
5. Reflection in a plane mirror.
6. Pinhole cameras.
7. Colour and colour mixing of light.
8. The eye.

Energy

1. Energy in food and fuel calculations.

Chemistry

1. Elements, mixtures and compounds.
 2. Air.
 3. Writing formulae and equations.
 4. Energy changes in chemical reactions.
 5. Water.
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Biology

1. Seed dispersal.
 2. Seed structure and germination.
 3. Microbiology - aseptic techniques.
 4. Structure of microbes - preserving food.
 5. Importance of microbes to man - making bread, alcohol, yoghurt.
 6. Microbes causing disease.
 7. Enzymes.
 8. Digestion.
 9. Dentition in animals.
- Please see revision booklet, given to you by your class teacher.
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Geography

Structure of the earth

1. History of the Earth.
2. Structure of the Earth (layers).
3. Tectonic plate boundaries:
 - constructive
 - destructive
 - conservative
 - collision
4. Composite and shield volcanoes.
5. Volcano case study - e.g. Eyjafjallajokull, 2010.
6. How can we predict eruptions?
5. Cloud types and formation.
6. Factors affecting climate.
7. UK weather and climate.
8. Wild weather.

Rainforests

1. Location of rainforests.
2. Rainforest climate.
3. Structure of the rainforest.
4. Nutrient cycling.
5. Plant and animal adaptations.
6. Uses of the rainforest.
7. Threats to the rainforest - deforestation due to logging, cattle ranching, palm oil plantations etc.
8. Rainforest tribes.

Weather and climate

1. Definition of weather/climate.
 2. What are climate graphs?
 3. How the weather is measured.
 4. Types of rainfall:
 - convectional
 - relief
 - frontal
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History

The History exam will be split equally between source work questions and an essay. Source work will feature a range of written extracts and pictures with associated questions. The essay will have three parts, worth 4, 6 and 10 marks. Students will be very familiar with the format of the exam from their Autumn and Spring term assessments earlier in the year. The source work will be on the Tudors and Stuarts, with the essay question on the Renaissance.

Religious Studies

Judaism

1. Ideas about God.
2. Passover.
3. Laws/Ten commandments.
4. Torah scrolls, contents and use.
5. Food Laws.
6. Shabbat.

Hinduism

1. Karma and Samsara - cycle of life.
2. Hindu life stages/Caste system 'Dharma'.
3. Hindu beliefs about God- Brahman and murtis.
4. Holy books - 'Smirti' and 'Shruti'.
5. Examples of holy books and their contents.
6. Hindu worship - Puja and Arti.

Islam

1. Life of Muhammed.
2. The Five Pillars.

French

1 hour exam, for listening, reading and writing.

There are some very good tips for vocab revision on page 130 in Studio 2.

Log on to Active Learn for revision activities.

Or www.languagesonline.org.uk both of these websites have some very good, topic based vocab activities.

You can also try mind maps of vocab that has a particular theme, such as holidays.

- Types of television programmes and your preferences - page 8.
- Types of film and your preferences - page 10.
- Your favourite actor/actress.
- Books and reading habits - page 12.
- The past tense and being able to identify and use it - what you did yesterday, last night etc.
- The present tense.
- Personality and family relationships - page 50.
- Music preferences - page 52
- Describing where you live, your local area and your house - pages 68 and 70.
- What you eat and drink for breakfast - page 72.
- Foods you enjoy or dislike - page 74

Page numbers refer to Studio 2 text book.

You will also have an oral exam with 10 questions (available of Firefly). You will get time to learn and practice your answers to these.

Latin

Nouns

1. Learn the singular and plural endings for nouns in each of the three declensions.
2. Recognise and translate the different cases:
 - Nominative - the subject of the sentence (i.e. the thing doing the action of the verb)
 - Accusative - the object of the sentence (i.e. the thing suffering the action of the verb)
 - Dative - translate to or for (also known as the indirect object)

E.g. Grumio cenae panem emebat

Grumio was buying bread for dinner.

Nominative **Dative** **Accusative**

Adjectives

1. Adjectives describe nouns.
2. They will have the same endings as nouns.

Verbs

1. Be able to recognise and correctly translate the three tenses:
 - Present Tense - is _____ing/ _____s
 - Imperfect Tense - was/were _____ing
 - Perfect Tense - (have) _____ed
2. Know the personal endings for each verb:

	Present	Imperfect	Perfect
I:	o	bam	i
you:	s	bas	isti
s/he/it:	t	bat	it
we:	mus	bamus	imus
you:	tis	batis	istis
they:	nt	bant	erunt

Grumio in culina cantat - Grumio is singing in the kitchen. (present)

Ego per viam ambulabam - I was walking along the street. (imperfect)

Vos tremores sensistis - You (plural) felt tremors. (perfect)

Latin

Irregular Verbs

Present Tense

sum:	I am
es:	you are
est:	s/he/ it is
sumus:	we are
estis:	you are
sunt:	they are

Imperfect Tense

eram:	I was
eras:	you were
erat:	s/he/it was
eramus:	we were
eratis:	you (pl) were
erant:	they were

Pronouns

Nom:	ego	I	tu	you
Acc:	me	me	te	you
Dat:	mihi	to/for me	tibi	to/for you
Nom:	nos	we	vos	you
Acc:	nos	us	vos	you
Dat:	nobis	to/for us	vobis	to/for you

Vocabulary Learn Checklists from one to nine, found in the textbook.

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|------------|------------|-------------|
| 1. Page 14 | 4. Page 52 | 7. Page 96 |
| 2. Page 26 | 5. Page 68 | 8. Page 112 |
| 3. Page 38 | 6. Page 82 | 9. Page 128 |

Background

Stage 1: Pages 8-13

Stage 2: Pages 23-35

Stage 3: Pages 33-37

Stage 4: Pages 48-49

Stage 5: Pages 78-81

Be able to recognise the theatre, amphitheatre and baths.

Italian

Exam: 1 hour - listening, reading, writing and speaking before internal exam session.

The Italian Year 8 booklet and the exercise book provide all the material necessary for your revision. Make sure you have all the worksheets handed out to you during the terms. This is the list of topics covered:

1. Greetings.
2. Numbers: prices, telephone numbers, age.
3. Time.
4. Days of the week.
5. Months, saying the date.
6. Classroom objects: gender and number.
7. Articles: il, l', lo, la, i, gli, le / un, uno, una.
8. In class: imperatives (to one person/ to many).
9. Classroom language.
10. Food and drinks: asking for food and drinks, asking for the price.
11. How to say "I LIKE" / "I DO NOT LIKE".
12. Sports and pastimes.
13. Opinions.
14. Colours: agreement and position of adjectives.
15. Verbs: regular –ARE and -ERE, irregular ESSERE, AVERE, FARE.
16. Prepositions.

Of course, the more vocabulary you know, the better your Listening and Reading Comprehension will be. In order to expand your vocabulary on the topics studied go on:

- www.linguascope.com Elementary and beginners levels. The website also has some useful topics and some grammar exercises for the present tense.
- www.education.vic.gov.au/languagesonline Italian topics, with lots of interactive games to consolidate your vocabulary.
- For the speaking exam there will be a set of 10 questions (available of Firefly). You will get time to learn and practise your answers to these.

German

Exam: 1 hour - listening, reading, writing and speaking before internal exam session.

There are some very good tips for vocab revision on page 25 and 132 in Stimmt 2. You can also try doing mind maps of vocab that has a particular theme, such as holidays.

- Daily routine: Ich stehe ...auf, Ich ziehe mich an etc. page 78.
- Time: page 79.
- Holiday destinations: See vocab list on page 24 - wo hast du gewohnt?
- Forms of transport: See vocab list on page 24 - Wie bist du gefahren?
- Types of film and opinions.
- Food and drink, including what you like/ don't like: ich esse gern/ nicht gern/ lieber/ am liebsten.
- Past tense activities: See vocab page 24 – was hast du gemacht?
- The weather (past and present tense): Vocab page 25 – wie ist/ war das Wetter?
- Healthy lifestyle – food and drink and also activities: Vocab page 70 – das Frühstück and gesund bleiben.
- Look at the verb tables on page 130 to remind you how to form the present tense. Ensure you know haben and sein and at least 10 others.

For the oral exam there will be a set of 10 questions (available on Firefly). You will get time to learn and practise your answers to these.

Thinking About Revision

Getting prepared – Revision Plan



- Start with a plan – a blank timetable is best.
 - Add the dates of your exams
 - Include any clubs or activities that you do
 - Add any important dates (birthdays etc.)
- Now add your subjects – aim to revise 2 subjects per night and 3 subjects per day at the weekend. Don't forget homework – you may still have homework to complete so allocate a time to do that too!
- Don't forget to devote equal time to all of your subjects (don't ignore the ones you find hard or don't like – they need attention too!).
- And don't forget relaxation time, though make sure it is after you have done your homework and revised.

Get organised

- You will need pens, pencils, coloured crayons, highlighters, paper, a file to keep your notes in and a quiet place to work.
- Find out from your teachers what you need to revise. Be prepared – they might say **EVERYTHING!** Indicate this on your revision lists.
- Now go through your revision lists and identify any areas you are unsure of – This is where you will need to start your revision!



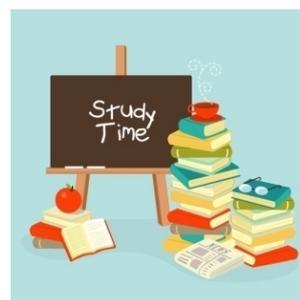
What next? – Revision Lists

- Now you have a **revision plan**, you need to know what to revise!
- Start with a blank sheet of paper and write the subject at the top, e.g. Geography.
- Open your exercise book or file and starting at the beginning, list all of the topics you have covered in class.
- Repeat for each subject.
- You now have **revision lists** for every subject.



Just get started!

- Spend no more than 30 minutes on any subject.
- Take a short break (5-10 minutes).
- Change subject and work for another 30 minutes.
- Tick off the topics as you revise them – This is **REALLY** important as it will give you a sense of achievement and allow you to see what you have covered and what is still to do!



How to Create

Go Deeper

Every node on a mindmap could be its own mindmap

Share it

When you finish, share it with your Study Buddies

This will help you get a fresh perspective

Let your ideas exp

Don't focus on perfection

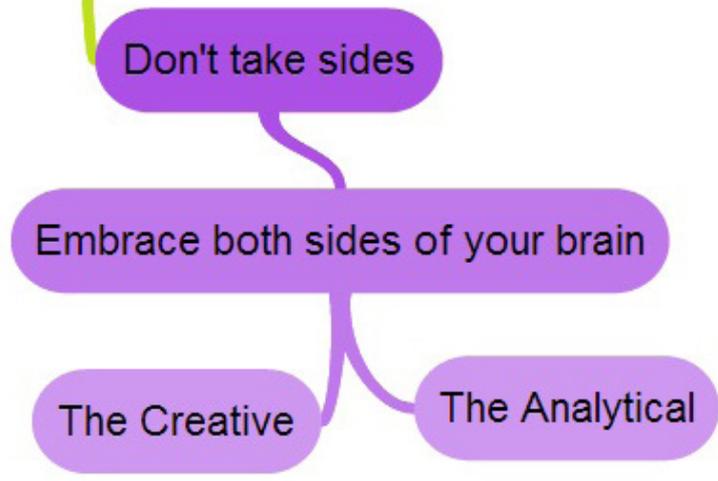
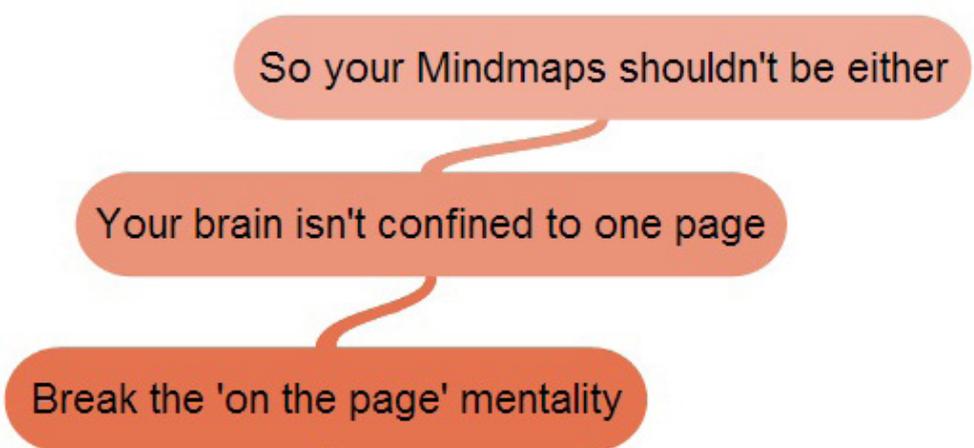
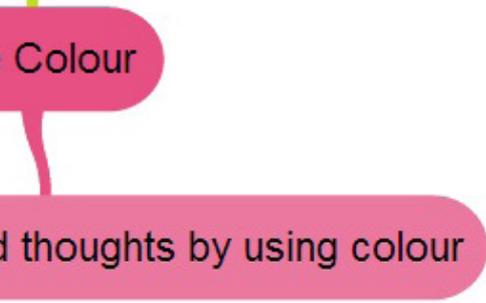
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Use

Group you ideas and



How to Create A Mindmap





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