

Revision Guidance and list for your end of year exams: YEAR 8

How much revision should I be doing?

- You should start revising 4-5 weeks before your exams.
- Create a simple timetable which gives each subject an equal amount of time over the course of the week.
- You should aim to complete 1.5 hours of revision each evening and a couple of hours on a Saturday and a Sunday.
- You should increase this time as the exams approach and you will receive less homework. E.g. in the two weeks before your exams you might be spending 2-3 hours revising each evening and 4 hours on a Saturday and Sunday.

What should my revision look like?

Stage 1: Writing revision notes

- In the first 2-3 weeks of your revision you should use your revision lists to write notes under each of the headings, these notes should be a summary of the information from your exercise books and text books. Aim to condense the information by a half.
- Remember that most of your subjects design courses for you and so text books or revision guides will not necessarily be relevant. Stick to the revision lists you have been given and use your exercise books as the main source of information for your learning (unless other advice is given in your subjects).
- It is best if notes are colourful, organised and include pictures as these will help you to remember them better
- Your notes can be handwritten or completed on the computer.

Stage 2: Learning the content

- In the final weeks of your revision, you should be aiming to learn the information in your revision notes. The best way to do this is to test yourself, read a few pages of your revision notes and then do one of the following (without looking at your notes):
 1. Produce a mind map of all the ideas
 2. Define a list of terms
 3. Answer some questions about the content of the notes
 4. Ask someone to ask you questions about the content of the notes
 5. Use an online revision site such as MyMaths, Seneca or BBC Bitesize to test you on the content (just make sure that the topic content is the same)

- Then go back and highlight / underline the things you did not remember from your notes, you should focus on these points the next time you revise this content.
- You should aim to test yourself on everything on your revision lists at least three times before you do your exam. **THE CRUCIAL THING HERE IS THAT YOU RECALL THE INFORMATION WITHOUT LOOKING AT YOUR NOTES!**

Tips and suggestions for revision

- Research has shown that our brains remember the starts and ends of revision sessions best and so learning in short chunks is more effective than long revision sessions. E.g. if you are revising for 1 hour, spend 20 minutes on three different subjects rather than one hour on one subject.
- Research has also shown that our brains start to forget things as soon as we have learned them and so we should aim to review the same information frequently. E.g. if you have a topic about electricity to learn, it would be best to review the topic every Monday evening for three weeks than spend a whole Saturday afternoon studying it.
- Finally, our brains remember best when we are calm and relaxed and so start your revision early so that you don't get stressed.

You should not worry unduly about these exams. We give you end of year exams to help you to get used to the revision and exam process. This is only one way that we use to assess how well you have understood your lessons, we have lots of other evidence about your progress. Just try your best and ask your teachers if you need help.

There is a famous sporting quote that says: "the more I practise, the luckier I get". Think about what this might mean.

Good Luck!

Exam information for Year 8 pupils – June 2022

Your exams will take place between Monday 6th – Wednesday 8th June 2022. Your teachers have put together some revision lists to help you to prepare for your exams.

Art - Exams will take place in lesson time. Your teacher will advise you when this will take place.

Computer Science - You will not sit an exam in Computer Science.

Physical Education – You will not sit an exam in Physical Education.

Maths

This is a simple list of topics. The Key Stage 3 scheme of work on STU Maths has further information. The exam will cover all topics on the scheme of work up to and including inequalities. A revision booklet will be handed out during lessons. The following websites are recommended for further revision: www.mymaths.co.uk (username agsb, password addition), www.bbc.co.uk/bitesize, corbettmaths.com, www.mathsgenie.co.uk, www.dr frostmaths.com.

Number	Algebra	Shape & Space	Data Handling & Probability
Understand 'parts per 100' and compare proportions Calculate simple percentages Calculate percentage increase or decrease Solving real life problems using percentages. Understanding ratio and proportion Calculate using ratio and proportion Solve problems using direct/ inverse proportion Laws of indices Negative powers Fractional powers Understanding standard form, use of calculator Multiplying, dividing, adding and subtracting using standard form	Generate and describe integer sequences Be able to describe the nth term of a sequence Generate terms of a sequence using term-term and position - term definitions Express simple functions in words and in symbols Plot graphs of linear functions (mapping to graphs) Changing the subject of a formula Find the gradient of lines given by equations in the form $y=mx+c$ Understand gradients of parallel and perpendicular lines Solving equations involving fractions Solving equations by trial and improvement Solving simultaneous equations algebraically Solving simultaneous equations graphically Constructing equations Solving linear inequalities Representing inequalities on a number line Inequalities: shading regions on graphs	Line & rotational symmetry of 2-D shapes Planes of symmetry in 3-D shapes Reflection Rotation Translation Positive enlargement Fractional enlargement Combining transformations Similar triangles Converting imperial to metric Converting between area and volume measures Understand ratio in area and volume Pythagoras Measure and draw lines and angles Construct triangles (SSS, SAS, ASA, RHS) Ruler and compasses to do standard constructions Understand and find loci	Draw and produce pie charts for categorical data Draw scatter graphs and understand correlation To understand and use lines of best fit Calculate probabilities using tree diagrams Estimate probability from experimental data (relative frequency) Estimate the mean from grouped data Draw frequency diagrams Draw and interpret cumulative frequency diagrams Construct and compare frequency polygons Compare sets of data

English

The exam is based on **creative writing in the genre of crime fiction**.

There will be a choice of writing tasks. Students complete **one** task from a choice of two.

The exam is **1 hour** long.

It is marked out of **40**:

- Content and organisation: 24 marks
- Technical accuracy: 16 marks

All revision materials are

[Y8 EXAM REVISION](#)

Descriptive or narrative writing.

Students have been exploring the crime genre in lessons, reading a wide range of extracts from the genre. They have been learning about the conventions of the genre, typical features of story-telling, characterisation, setting, tone, and suspense.

The writing task which will test creativity, organisation of material, use of an appropriate range of sentence structures and vocabulary, and accuracy of spelling, punctuation and grammar.

Many of the features identified in Section A will be relevant when students come to writing their own text – but a useful list of important and lively writing features is **ARRESTED**

A adjectives, adverbs, alliteration
R rhetorical question
R repetition
E emotive language, exaggeration
S structure, sentence variety, simile, start well
T tone, tricolon, task (stay on topic)
E end well
D dialogue, description

Nearly half the marks for writing are for accuracy of spelling, punctuation and grammar. Students need use paragraphs and sentences carefully. Mature, well-chosen vocabulary will be rewarded.

Creativity is highly prized. Students should strive to avoid cliché and generate imaginative, original ideas.

"Typical" tasks will be made available to students in lessons and via STU_English.

Practice for both sections will take place in lessons beforehand.

Science

Topic starter sheets should be used to inform you of all the learning points you need to recall before the exam. Use and tick the third column on the front of each sheet as your revision list. If you have any questions, or would like help with your revision, please attend Science mentoring which runs from 12:20 until 1pm in N4 on Monday lunchtimes.

There are sets of practice questions and mark schemes for each topic available on O-365 STU Science.

Subject	Key Ideas- Use Topic Starter Sheets for more detail	Checklist
Chemistry & Geology	<p><u>C1 Elements, Compounds and Formulae</u> Elements and compounds Word Equations and introduction to symbols formulae and equations Periodic table – history and development of, patterns and trends, examples of groups, e.g. halogens and alkali metals</p> <p><u>C2 Minerals, Metals and Extraction</u> Introducing minerals and their composition Mineral ores; uses and economic value Tests to identify Minerals Rock types and classification – igneous, sedimentary and metamorphic Reactivity of metals – reactions with oxygen, water, dilute acids Displacement reactions Extraction of Metals from Ores</p>	
Physics	<p><u>P1 Forces & Motion</u> Forces & Friction Motion Balanced & unbalanced forces Moments Principle of moments Turning effect calculations</p> <p><u>P2 Heat Transfer</u> Heat and Temperature Conduction, Convection and Radiation Heat Loss including investigation work Evaporation</p>	
Biology	<p><u>B1 Environment</u> Measuring the physical factors of a habitat (data analysis) Food chains and food webs Populations (growth) and feeding relationships (predator-prey) Pyramids of number and pyramids of biomass Toxins and Bioaccumulation</p> <p><u>B2 Muscles & Bones</u> Functions of the skeleton Strength Muscles Joints</p> <p><u>B3 Food & Digestion</u> Nutrient groups – why we need carbohydrates, protein, lipid, minerals, vitamins, fibre & water</p>	

	Food tests – testing for carbohydrates: sugar & starch, testing for protein, testing for lipids.	
Investigative Science Skills	<p><u>Scientific Skills:</u></p> <p>Data Response: Analysis of observations, data in tables and graphs</p> <p>Variables: Independent/dependent/control</p> <p>Errors: systematic/random/parallax</p> <p>Manipulating Scientific equations: Rearranging mathematical formulae</p> <p>Combining scientific ideas learnt in Years 7 and 8</p>	

Philosophy and Ethics

Unit 1) What importance does ethics play in our lives?

- An introduction to ethical theory
- Deontological and Consequentialist ethical theory
- The Philosophy of Kant, Bentham and Mill
- The sanctity of life and the principle of Ahimsa
- Practical ethics case study (focus medical ethics)

Unit 2) Does religion help people to be ethical?

- Exploring the relationship between faith and ethical decision making
- Codes for living in Islam, Sikhism and Humanism
- Buddhism and the eight-fold path
- Is religion a force for good?

Unit 3) What was so radical about Jesus?

- Christology
- Messianic prophecies
- Rejection of traditional messianic warrior-king role
- Pacifism
- Agape – selfless love for all, including the poor, women and lepers etc.
- How can Jesus' actions inspire people today?

Skills tested in the Yr8 summer end of year examination

In addition to the explicit content and knowledge detailed under the above topic headings, we expect pupils by the end of Year 8 to be able to:

Analyse primary source texts in order to extract information and explain its meaning and significance.

Write one word, sentence, paragraph and extended prose [essay] answers to questions AND identify the appropriate length of response needed for particular questions.

Present a balanced ethical argument clearly and logically.

Critique an ethical argument clearly and logically, by identifying and explaining objections to and weaknesses in the logic and practical implications specific ethical positions.

Geography

Structure of the Exam

Your Y8 Geography exam is 60 minutes long. It has 4 types of questions:

- Short Knowledge Questions
- Map based questions
- Source-Based Questions
- Extended writing

Topic	Subtopics	Revision Sources
Unit 1 – Biomes	<ul style="list-style-type: none"> • Location and distribution of the world’s main biomes (e.g. rainforest, desert, savanna, temperate deciduous biome). • Tropical rainforests – climate, layers and characteristics of the rainforest, plant adaptations and value of the rainforest (economic, social, environmental), convection rainfall. • Why is the rainforest under threat and what are the solutions? A case study (e.g. Madagascar) to illustrate the threats of deforestation and sustainable management solutions. 	<p>Your exercise book is the best revision source</p> <p>KS3 Progress in Geography (Hodder) - some of you bought a personal copy</p> <p>BBC bitesize website</p>
Unit 2 - Russia	<ul style="list-style-type: none"> • Knowledge – location of St Petersburg, Sochi, Vize Island, Norilsk, rural mountains, River Lena, and Volga. Neighbouring countries including former soviet countries. • Describing the climate and vegetation of Norilsk, Vize Island, St Petersburg and Sochi. • Resource exploitation - natural gas in the Arctic ocean). Arguments for and against its use. 	
Unit 3 - Coasts	<ul style="list-style-type: none"> • Coastal processes of erosion, transportation and deposition. • Types of waves (constructive, destructive) • Concordant and discordant coastlines • Landforms of erosion – wave cut platform. Caves, arches, stacks and stumps. • Depositional landforms – spits, bars, beaches, • Coastal management of Holderness coastline – hard and soft engineering. 	
Unit 4 - India	<ul style="list-style-type: none"> • Physical geography of India – Tropical, Desert and Mountains. • Explaining the wet monsoon 	

	<ul style="list-style-type: none">• Urbanisation (natural change, rural to urban migration and push and pull factors)• Issues with rapid urbanisation – Mumbai case study – problems and solutions in Dharavi.• Globalisation and India.	
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Resources for Revision

In each case, you should use your exercise book in the first instance. Beyond that, you should undertake further online research.

The BBC Bitesize website is a great place to start. Here you will find sections on The Normans (including Hastings), Thomas Becket, the Crusades and Medieval Islamic Civilizations including the Abbasid Empire:

<https://www.bbc.com/bitesize/topics/zfphvcw>

The Spartacus Educational website is also very good. For sections on the Battle of Hastings, William the Conqueror, Norman Castles and Thomas Becket, see:

<https://spartacus-educational.com/Normans.htm>

This site has further information on the Abbasid Empire:

https://www.ducksters.com/history/islam/abbasid_caliphate.php

History

Structure and Content of the Exam

Your Y8 History exam is 60 minutes long. It will be marked out of 44 marks. It has four types of questions:

- Key Fact Questions (with one or two-word answers) on The Voyages of Discovery and The Tudors
- Keyword Questions on Belief, Witchcraft and the Scientific Revolution
- A Source Question on the reasons for the defeat of the Spanish Armada
- A choice of 1 out of 2 Mini-Essay Questions on either (a) The reasons why Britain built its Empire or (b) The reasons for the Break with Rome

Resources for Revision

In each case, you should use your exercise book in the first instance. Beyond that, you should undertake further online research.

The BBC Bitesize website is a great place to start. This bit on the 'Tudors' has good sections on 'Henry VIII', 'The Reformation' (including 'The Break with Rome') and 'The Armada' (under 'Elizabethan Rule': <https://www.bbc.co.uk/bitesize/topics/zwcsp4j>

This section of the BBC website is good on the British Empire, including the reasons why Britain built it:

<https://www.bbc.co.uk/bitesize/topics/z7kvf82/articles/zpju3j6?course=zybxtrd>

The Schools History website is a good starting point for the 'Voyages of Discovery':

<https://schoolshistory.org.uk/topics/british-history/elizabethan-era/voyages-of-discovery/>

This section of the School History website gives further detailed information on the reasons for the defeat of the Armada:

<https://schoolshistory.org.uk/topics/british-history/elizabethan-era/spanish-armada/>

Music

Students should prepare for a formal performance assessment, to be completed at home. In addition to this there will be a short exam which will cover areas of music theory in relation to performance, which will include a short listening test, understanding music notation – including treble and bass clef notation, rhythm and questions about articulation, phrasing, dynamics and Tempo.

Technology

An overview of subject content for the exam is on O365 (Sharepoint) under "STU Year 8 Technology". Go to the "Documents" section and you will find a pdf called "Year 8 revision notes". This is a mind map for each project that you have completed. It is suggested that you print off the mind map for each of the projects and annotate it with further relevant information to remind you what you did in each project. You will be asked multiple choice questions based on the project that you choose to answer questions on. Your choice will depend on what project you have completed.

A good website to help you revise is www.technologystudent.com

French

You will be assessed on all topics you have covered since September in the course Tricolore 2.

The exam will be made up of 3 parts. The revision list below is broken down into small manageable chunks. In the Y8 exam timetable you will sit a **Reading and a Writing exam**. The following week, in lessons you will have a **listening exam in class**. For the **Writing exam** you will need to understand and use the grammar points below in order to do extended writing. You will not be told the bullet points in advance but you will find the points below helpful. Don't forget, your assessment booklet contains core topic vocabulary.

Coursebook page	Tricolore 2 Unit 2: On fait des projets	
2A	Talk about countries in Europe	say 'to , 'at' or 'in' + town/ country or continent
2B	Learn the names of different countries and continents	the verb partir 'to leave'
2C	Talk about modes of transport	Use the verb venir 'to come'
2D	Talk about what you are not going to do	The near future tense plus negation
2E	Talk about what you can / can't do	use pouvoir (to be able) + infinitive
2F	Describe places	the infinitive
	Assessment 1	
	Unit 4 : En famille	
4C	Talk about staying with a French family	The perfect tense introduction with avoir and -er verbs / expressions of time
4D	Talk about presents and what you have done recently	Use the perfect tense with -er verbs
4E	Talk about choices	Use the perfect tense with -ir and -re verbs
4F	Describe a visit, say goodbye and thank you	Use ce / cet /cette/ces + noun. Use the perfect tense with avoir
	Unit 5: Bon appetit!	
5A	Cafés in France, say what drinks you like	Use the verb 'boire' to drink
5B	Buy , drinks snacks and ice-creams	The perfect tense consolidation
5C	Describe food and recent meals	The perfect tense of IRREGULAR VERBS
5E	Say what things did and didn't happen	The perfect tense of negative statements
5F	Understand menus, express like and dislikes, order a restaurant meal	Translating into English
	Unit 6 : En voyage	
6A	Discuss travel plans, the 24 hour clock	Revise the verb 'être'
6B	Understand and ask for rail information	il faut + infinitive
6C	Learn which verbs form the perfect tense with être	Introduction- the perfect tense with être
6D	Talk about air travel	The perfect tense with être, past participle agreement
6E	Describe a journey and a day out	Using the perfect tense with avoir AND être.
6G	Describe a journey in the past	Creative writing using lots of adjectives, opinions and the perfect tense.

Revision sources:

www.Quizlet.com for vocabulary practice with each unit.

www.Kerboodle.com - for all types of exercises- use the page reference above and do all interactive self marking activities.

www.languagenut.com - vocabulary practice, sentence chunking / sentence building and all aspects of grammar especially verbs and tenses.

www.languagenut.org - grammar practice especially grammar- verbs – present past and future tenses

Revision booklet

Bonne Chance!

Spanish

You will be assessed on all topics you have covered since September in the Year 8 course Claro 2.

The exam will be made up of 3 parts; In the Y8 exam timetable you will sit a **Reading and a Writing exam**. The following week when you return to lessons you will have a **listening exam in class**.

For the **Writing exam** you will need to understand and use the grammar points below in order to do extended writing. You will not be told the bullet points in advance, but you will find the points below helpful. Please use the digibook Claro 2 online; www.kerboodle.com The website www.senecalearning.com follows this course and is excellent revision for all aspects. is also a very useful tool, both the vocabulary and verb conjugations for the present, near future and preterite tenses.

Topic	Sub topics	Revision Sources
Module 1 Dieta y Salud	Talk about what you eat and drink, giving opinions on food. Ordering food in a restaurant. Talking about a healthy diet. Parts of the body and saying which parts of the body are hurting. Discussing health problems and treatments. Food in the Spanish speaking world.	Claro 2 booklets Digibook on www.kerboodle.com
Module 2 Por fin de vacaciones	Talking about transport, holiday travel. Say where you go on holiday and what you do Say where you went last year and what you did/ who you went with/ how long you went for. Using the preterite tense, the present tense and the near future tense together. Giving opinions and justifications.	Websites on office 365 Exercise books (grammar notes) Revision workbooks provided by class teacher www.kerboodle.com www.linguascope.com www.languagenut.com www.thisislanguange.com
Module 3 Aquí mando yo	Talking about technology and how you use it; how frequently and for what. Discussing the internet and social media. Talking about what TV programmes you like and dislike and why. Saying whether you prefer watching a film at the cinema or at	www.languagesonline.org.uk

	home and why. Discussing musical tastes. Discussing jobs and careers.	
<p>Grammar – All boys must be able to use the Present, Past (preterite) and Future tenses. They must be able to manipulate the infinitive to form the present, preterite and near future tenses.</p> <ul style="list-style-type: none"> - “Gustar”+ infinitive-what you like to do - Comparatives and superlatives (more than, less than, the most) - Opinion and justification - acabar de (+infinitive) - soler + infinitive - ‘Ir’ with prepositions - ‘ser’ and ‘estar’ 		

German

Topic	Sub topics	Revision Sources
Module 1 die Ferien	The weather Talking about a past holiday What you did (activities) Where you stayed (accommodation)	www.vocabexpress.com www.linguascope.com
Module 2 Einkaufen und Essen	Fruit and veg Ordering in a café What you like to eat and drink and what you don't like to eat and drink Shops Pocket money	www.klar.co.uk www.languagesonline.org.uk FEDS Assessment Booklet Grammar and Writing books
Module 3 Mein Haus	Describing your house Talking about what there is in your town Discussing where you will live in the future Giving directions	Year 8 Revision booklet
Module 4 Gesundheit	Naming parts of the body Illnesses Describing symptoms Suggesting treatment plans Healthy/unhealthy eating	

Grammar: You will be expected to show your knowledge of the following German grammar structures and sophistication:

- Conjugating verbs
- The perfect tense
- Using war
- The future tense
- Weil (sending the verb to the end)
- Connectives
- Time phrases
- Wenn (verb comma verb)
- Modal verbs müssen and können (sending the infinitive to the end)
- Dative case (in der/im)

Latin

The exam will be a form of the Chapter 5 Unit Test and will closely follow the format and style of questions that you are used to.

Vocabulary (30 marks)

- Revise the core vocabulary list for chapter five on p150.
- Make sure you can tell what the **stem** of nouns and adjectives is.
- Make sure you know what each of the parts for each type of word in this list are for, e.g. Why are two forms given for nouns? Why are three forms given for verbs?
- Make sure you can work out what the **present stem** and **perfect stem** of the verbs are.

Grammar (20 marks)

- Revise the yellow boxes in chapter 5.
- Make sure you can translate all the irregular verb forms from Latin into English (learn the tables on pages 152, 153 and 155).
- Learn off by heart all the present tense forms of amo and terreo on p158, and rego and audio on p161.
- Revise how to recognise and translate the perfect tense on p58 and the imperfect tense on p89.
- Make sure you can spot a present participle in Latin sentence, and translate it (p164).

Translation (40 marks)

- The verb endings for the grammar section are also tested again in the translation section.
- You also need to spot and translate present participles.
- Along with the chapter 5 vocabulary, revise the vocab from the chapter 1, 2, 3 and 4 core vocab lists.

Culture and Context (10 marks)

- Revise the chapter 5 history powerpoint – link [here](#).
- Find out who Spartacus was, and what happened in Exercise 5.9 p162.

Chinese

In the Y8 exam timetable you will sit a **Reading and a Writing exam**. The following week when you return to lessons you will have a **listening and a speaking exam in class**.

There will be four sections in your **Reading and a Writing exam**:

Section 1 Reading (6 questions, 6 marks)

Section 2 Translation (Chinese to English, 1 short paragraph, 10 marks)

Section 3 Translation (English to Chinese, 5 sentences, 10 marks)

Section 4 Writing (80+ characters, 20 marks)

Topic	Sub topics
Greetings	Hello, goodbye, good morning Introducing yourself Numbers (age)
Family & home	Family members, pets, birthdays Numbers & measure words
Hobbies	Activities, sports, entertainment, shopping Verbs to talk about hobbies: to like, to dislike, can (do), can't (do)
School	Subjects, time & timetable, your class

Grammar

The following grammar points are list in your Y8 Assessment Booklet:

1. Measure words for nouns (e.g. 口, 条, 个, 只, etc.)
2. Possessive marker 的
3. Verb-objects
4. Word order: subject + time phrase+ action

Revision Sources

1. Y8 Assessment Booklet
2. Exercises in 'Extension' part at the end of every chapter are helpful too. (Jinbu 1)
3. www.quizlet.com or languagenut
4. Read through your topic descriptor and end of chapter exams.