

YEAR 10

REVISION BOOK



Name _____

Class _____

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WELCOME

Welcome to the Revision Guide for Year 10 students.



Unfortunately, there is no easy way to pass tests, but we can give you lots of tips on how to use your study time more effectively. This guide has been written to remind students about how to revise and how to learn.

Although this booklet contains great tips and study skills, the guide isn't as important as the person reading it – YOU! It is you who have to put them into practice and apply them to your work.

You will find your exam timetable on page 7



“Success is the sum of small efforts, repeated day in and day out”

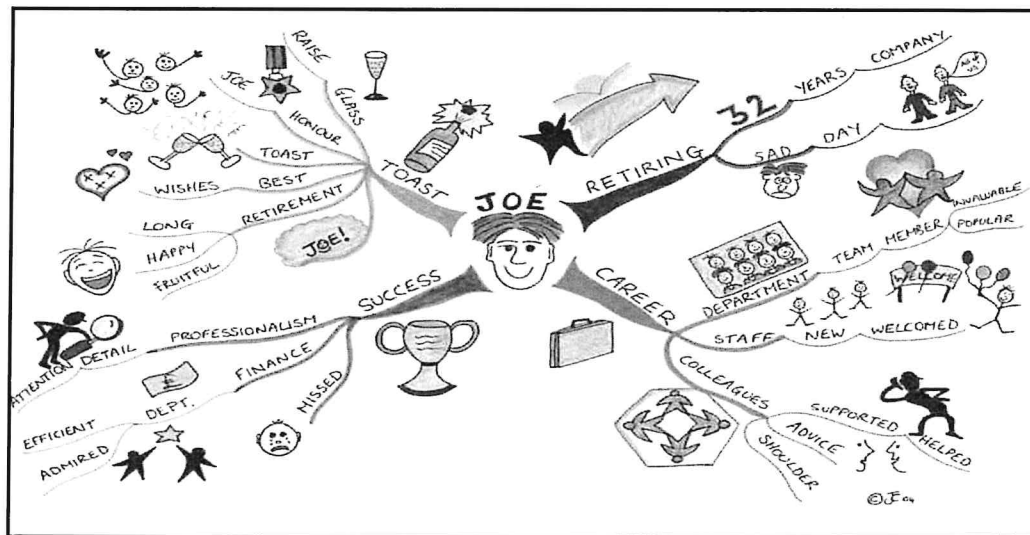
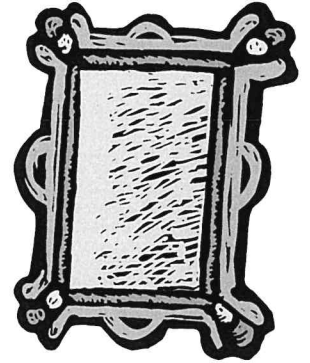


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Revision means “to look at again”. You need to look at things again as part of learning as well as in preparation for exams. But we need **active** ways to do this “looking again”.

Revision gives time for reflection and learning. You can start to see the big picture, you can add in more details and examples.

The idea is to “revise” each major section of your work shortly after you have finished it. For instance, you could draw a Mind Map of each major topic you cover. Keep the Mind Maps because they will be very useful for revising before tests.

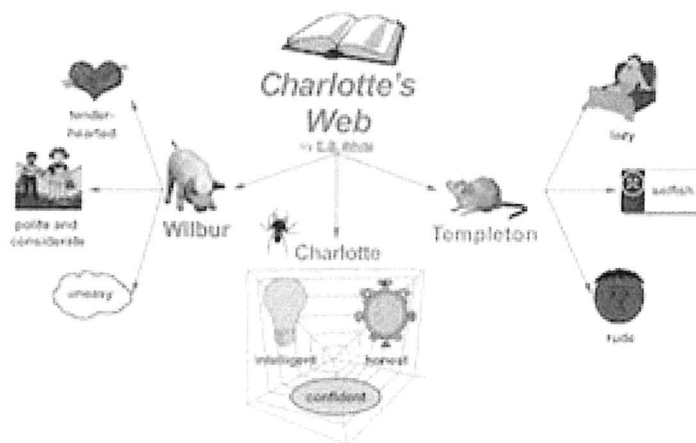
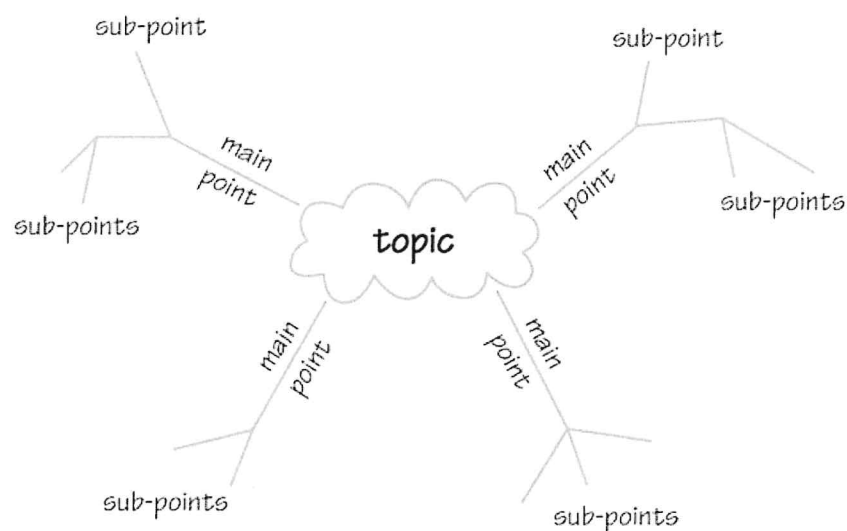


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How to make a Mind Map

- Start from the centre of the page and work out. Make it the theme of the map
- Use key words and images- put ideas down where they fit
- Put main subject words on the main lines and key words on the branches- do not use too many words on your mind map
- Use colour for themes and to make things stand out- this will make it stand out in your mind.
- Use arrows, cartoons or other images to help you remember



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WHY?



1. Revision helps learning
2. Revision increases your achievement in tests
3. Achievement in tests give you wider choices later on
4. Achievement will make everyone proud of you!
5. You will feel great!



It is important to be positive about yourself because people who think they can do well find it easier to learn.

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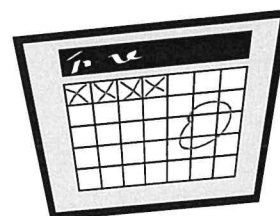
WHEN?



Make sure you know when your tests are. Teachers will revise with you and give you advice about how much revision to do, what you should revise and many will give you special notes to help with revising.

Make yourself a **revision timetable**.

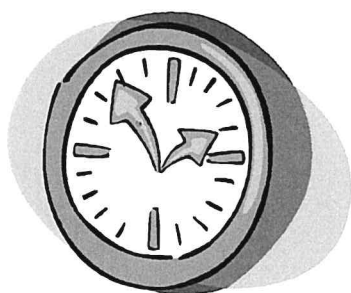
- ★ Fill in leisure, relaxation and family commitments
- ★ Put in some sessions that you can devote to revision
- ★ Share out the available revision sessions between your
- ★ Here's an example for *one* weekend:



subjects

	Morning	Morning	Afternoon	Evening
Saturday	Football	Maths; geography	Science; RE	Video
Sunday	English; tech	Lunch at gran's	Still at gran's	French; history

The ideal length to revise one topic is **25 to 45 minutes**. There is a blank revision timetable included for you.



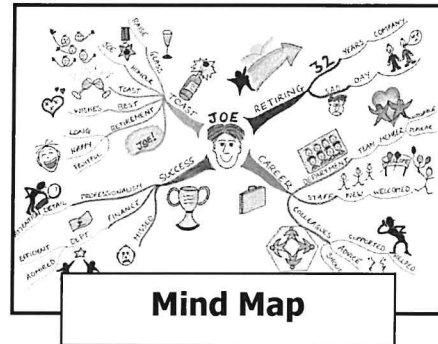
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HOW?

There are three easy steps to doing revision well:

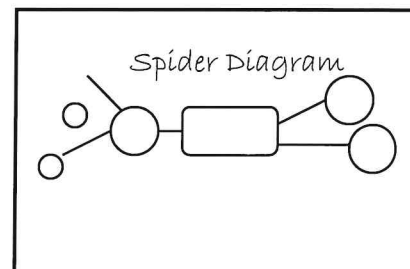
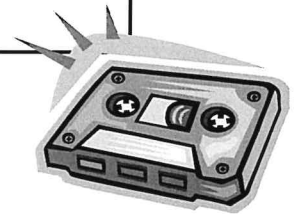
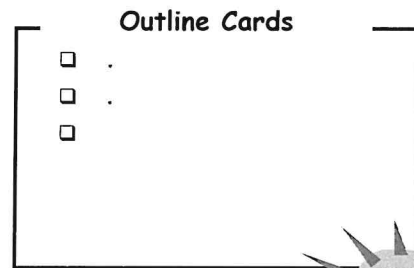
- ★ Change
- ★ Challenge
- ★ Treats



The first step is to try **change**. By changing what is in our exercise books or textbooks into a different form, we kick start our brains into action – we start thinking about new ways of presenting and digesting the information and start learning.

Ways to change things:

- ❑ Make diagrams
- ❑ Labelled drawings
- ❑ Time-lines (for history)
- ❑ Mind maps
- ❑ Charts and flowcharts (for processes)
- ❑ Audio tapes (great for languages)
- ❑ Outline cards
- ❑ Mnemonics
- ❑ Use colours and highlighters



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PTP1 Year 10 Test Timetable			
Dec 2024	Test 1	Test 2	Test 3
Monday 16 th	LLW	Maths	History
Tuesday 17 th	H.Ec	Science	Geography
Wednesday 18 th	RE	English	Tech.& Design

Equipment check

Please check that you have all the equipment you need for each day

Equipment	Monday 16 th	Tuesday 17 th	Wednesday 18 th
Black pens			
Red pen			
pencils			
Coloured pencils			
ruler			
rubber			
calculator			
protractor			
compass			

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Steps to revision success

1. Find a quiet, uncluttered space to work
2. Draw up a revision timetable and revise all subjects - allow time to relax
3. Make notes from your class work- keep them short
4. Write out some questions and answers to check understanding.
5. Try recording your work and listen to it while you are walking or in bed
6. Put key words on sticky notes and stick them up on the wall
7. Get your family to help you revise
8. Relax and make your best effort in the exam

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French

You will be examined on:

- ✚ a range of the 4 communication skills: Listening, Speaking, Reading, Writing
- ✚ sentence structure
- ✚ vocabulary covered in class in Key Stage 3.
 - ❖ Please refer to your notes for revision.
 - ❖ Please use all the revision techniques you have been taught in class to revise for your winter assessment.
 - ❖ Please note, this list is not exhaustive.

Units of work:

1. Tu aimes ...?
Hobbies
2. Tu es comment?
Describing yourself and others

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Irish

You will be examined on:

- ✚ a range of the 4 communication skills: Listening, Speaking, Reading, Writing
- ✚ sentence structure
- ✚ vocabulary covered in class in year 8 and year 9
 - ❖ Please refer to your notes for revision.
 - ❖ Please use all the revision techniques you have been taught in class to revise for your winter assessment.

Units of work:

1. Beannachtaí – Greeting
2. Na hUimhreacha - Numbers
 - Counting up to 199
3. An t-Am – the Time
 - Digital to Analogue
 - Telling the time using Analogue time
4. Laethanta, Míonna, An Aimsir – Days, Months, Weather
 - Days, Months
 - Weather – Past, Present, Future, Positive, Negative, Question, Quantifiers
5. Mé Féin agus Daoine Eile – Myself and others
 - Name
 - Age
 - Hair, Eyes
 - Personality
 - Height
 - Where I live
 - Family, brothers, sisters
 - Understand the description of others – use personal prepositions
 - Pets
 - Saibhreas – enriching your language

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Geography

Restless Earth	Map Skills
<ul style="list-style-type: none">• Internal Structure of the Earth• Plates• Reasons for Plate Movement and Plate Boundaries• Distribution of Earthquakes and Volcanoes• Earthquakes• Epicentre / Richter Scale• Effects of an Earthquake• Volcanoes• Types of Volcanoes and Structure of Volcanoes	<ul style="list-style-type: none">• How to find Distance on a Map using Scale.• How to find Direction using Compass Points.• How to find Location using 4 and 6 Figure Grid Reference.• How to find Height on a Map using Spot Height, Layer Colouring and Contours.• Land use on a Map, Physical and Human.

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HISTORY



Unit of Work: Background to the Home Rule Crisis

- The Penal Laws- examples and why they were introduced
- How land ownership in Ireland changed from 1603-1700
- 1798 Rebellion- causes, aims, leaders and main events of the rebellion
- Key Terms- Nationalism / Republicanism / Unionism / Loyalism
- Irish Republican groups from 1798-1916
- Act of Union- what it was and its effects
- Great Famine in Ireland- what it was and its effects
- Key Terms- Emigration / Estate Agent / Coffin Ships / Potato Blight / Eviction
- Emigration from West Tyrone
- Home Rule- what it means / leaders of the Home Rule Party

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- Land League- when and why it was formed / its leaders
- Irish Land War- what was it and the methods that the Irish used against landlords and agents during the Land War.



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Mathematics

Revision Strategies for Maths

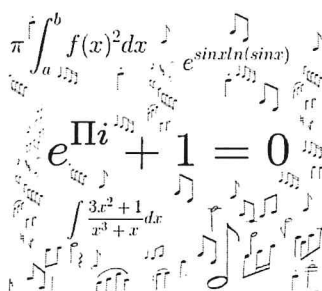
When revising a particular topic pupils should:

- Read through the notes in the text book and exercise book.
- Use the Key terms highlighted in purple throughout each chapter.
- Try out some practice questions from My Practice, My Review or Test yourself sections.
- Use the My Maths online resource, in particular the Booster Packs at the required Level.
- Try some easier questions and gradually increase the level of difficulty.
- Pupils need to revise using the calculator they will use in the exam.

Exam technique for Maths

- Read each question carefully.
- Show working out clearly.
- Leave any question you cannot complete and return to it later.
- Check your answer.
- Check if units are needed.
- Check accuracy required if necessary.
- Start a question even if you cannot complete it as this will gain some marks.

Bring in all equipment needed for the exam.
Pen, pencil, ruler, rubber and calculator.



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Year 10 Revision List

Topic 1 Chapter 2 Measures, Perimeter and Area	Topic 2 Chapter 3 Expression and Formulae	Topic 3 Chapter 4 Fractions, Decimals and Percentages
Area of 2D Shapes-Rectangle, Triangle, Parallelogram and Trapezium Circumference of a circle Area of a circle Compound Measures	Simplifying expressions Multiplying in algebra Expanding brackets Factorising expressions Substitution into formulae	Add and subtract fractions with the same denominator Add and subtract fractions with different denominators Find a fraction of a quantity Multiply and divide fractions Convert between decimals and fractions
Topic 4 General Number	YOU WILL NEED A SCIENTIFIC CALCULATOR RULER	
Rules of BIDMAS $\times, +, -, \div$ Problem solving questions		

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Year 10 Home Economics

- Food providence
- Food additives
- Argi -jobs
- Vegetarian and vegan
- Nutritional needs of adults



Protein



Carbs



Fat

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Religion

Remember – 50% of PTP1 will be awarded through your scrapbook/River Task

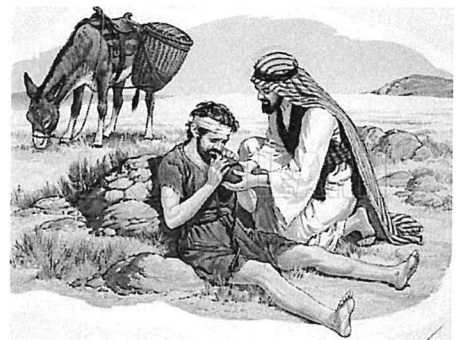
I Am Valuable - P2

- Why value yourself
- Image
- Talking To God
- Rudy Garcia-Tolson
- The Parable of the Talents

Prejudice and Discrimination

- The Parable of the Talents and its meaning.
- What is Prejudice, Discrimination, Stereotyping and Sectarianism?
- The Montgomery Bus Boycott
- Corrie Ten Boom and Max Kolbe
- Jesus' teaching in the Parable of the Good Samaritan
- Martin Luther King fact file

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Technology & Design

Health & Safety - Recognize safety signs and symbols, rules and regulations

Materials

Plastic	<p>How to finish edges of Acrylic-</p> <ul style="list-style-type: none">• Crossfile, Drawfile, Wet & Dry, Polish <p>Types of plastics –</p> <ul style="list-style-type: none">• Thermoplastics & Thermosetting Plastics
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Tools, Processes & Machines

- Recognize different tools and machines you have used
- Recognise different hand files
- Soldering
- Line Bending – Hot Wire Strip Heater / Jigs / Moulds

Electronics

- Recognize / draw Circuit Symbols & Circuit Diagrams
- Resistors
 - function,
 - calculate the value of a resistor,
 - what is resistance measured in –Ohms
- Recognize Input, Process and Output components
- LED's –
 - function, use, identifying legs
 - P.C.B's
 - Series and Parallel components

Design Question

Recognize Terms Design Brief, Specification; be able to write up a specification and draw / illustrate a solution

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SCIENCE

Equipment needed for the exam:

- black or blue pen
- pencil
- ruler
- calculator

Tips for revising science

- Make a list of keywords and definitions and learn these
- Practice drawing diagrams and labelling them
- Make revision cards for each topic
- Practice answering questions
- Use the kahoot quizzes available on your science class teams.

<i>Waves</i>	<i>Body Systems</i>
For this topic, you need to be able	For this topic, you need to be able
<ul style="list-style-type: none"> To describe longitudinal and transverse waves 	<ul style="list-style-type: none"> To describe the functions of food in our body
<ul style="list-style-type: none"> To describe how sound is generated by vibrating particles 	<ul style="list-style-type: none"> To identify and give examples of the main food groups
<ul style="list-style-type: none"> To compare the speed of sound in different states of matter 	<ul style="list-style-type: none"> To explain the term balanced diet
<ul style="list-style-type: none"> To describe and explain the features of a wave 	<ul style="list-style-type: none"> To calculate the amount of energy consumed in a meal
<ul style="list-style-type: none"> To describe how pitch and volume of a sound wave can be changed 	<ul style="list-style-type: none"> To carry out food tests
<ul style="list-style-type: none"> To describe methods of reducing noise pollution 	<ul style="list-style-type: none"> To describe and explain the results of food tests
<ul style="list-style-type: none"> To define echoes and how echoes can be applied in fishing, echolocation and sonar 	<ul style="list-style-type: none"> To identify the major organs of the digestive system
<ul style="list-style-type: none"> To describe light as travelling in straight lines 	<ul style="list-style-type: none"> To demonstrate an understanding of the role of enzymes in digestion
<ul style="list-style-type: none"> To explain how images are formed in mirrors and how the image is laterally inverted and the same distance from the mirror 	<ul style="list-style-type: none"> To explain the role of the circulatory system
<ul style="list-style-type: none"> To state the law of reflection and demonstrate it experimentally 	<ul style="list-style-type: none"> To identify the major organs of the circulatory system
<ul style="list-style-type: none"> To demonstrate and explain how white light can be dispersed with a prism and recall the colours of the visible spectrum 	<ul style="list-style-type: none"> To describe how blood moves around the body
<ul style="list-style-type: none"> To demonstrate and explain refraction as the bending of light when the speed of light changes 	
<ul style="list-style-type: none"> To describe the uses of converging and diverging lenses 	
<ul style="list-style-type: none"> To describe the main areas of the electromagnetic spectrum and list the dangers and uses of each type of wave. 	

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English

Your English exam will be a **READING** test.

This reading test will be based on the novel you have been reading in class, either *Animal Farm* or *Of Mice and Men*.

You will be given an extract from your chosen novel and there will be 3 GCSE-style questions you will have to answer;

In Task 2, you will be required to:

- write 3x PEAE points analyzing how the writer has used language for effect.

In Task 3, you will be required to:

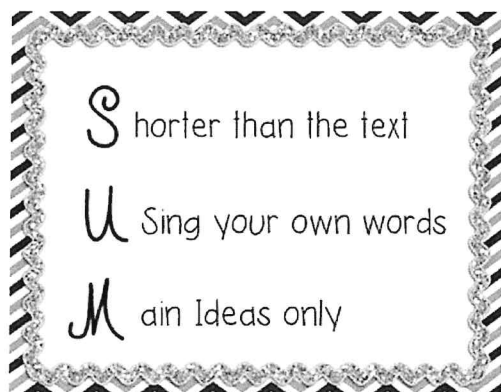
- summarize the text and give evidence to support your summary.

In Task 5, you will be required to:

- identify presentational features used in an image (e.g. Colour, Layout, Image, Font Style) and comment on the effectiveness of these features.

Revision tips:

- Revise REFRESHED LISA to make sure you can remember as many techniques as possible.
- Revise PEAE paragraphs (You will have practiced all these skills in class, so look over PEAE examples in your exercise book).
- Practice summarizing by revising SUM.
- Practice analyzing presentational features by looking over work completed in your book.



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Year 10

Local and Global Citizenship

Diversity and Inclusion

- Personal identity
- Community relations
- Towards a peaceful community

Human Rights and Social Responsibility

- Human rights
- Where rights are denied – child marriage
- Where rights are denied – torture

Equality and Social Justice

- Social justice
- Refugees
- Focus on Asha
- Focus on Disability Action

Democracy and Active Participation

- Government in Northern Ireland

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Day Date	SUBJECT / TOPIC CONTENT

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