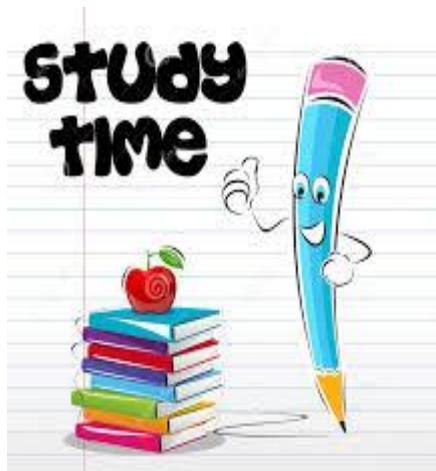




# Year 10

# Study Planner



## End of Year Exams

## 2018

**Name**

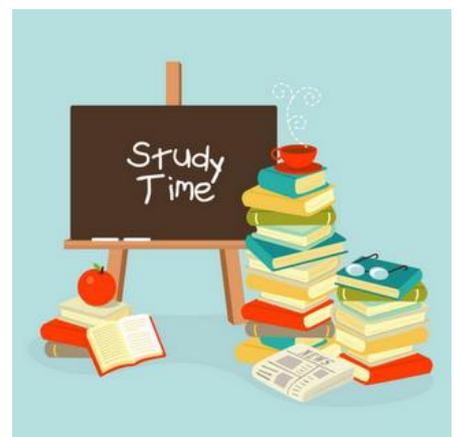
**Class**



# Study Habits For Successful Students

## Study techniques

- **Make a revision timetable.** Schedule specific times throughout the week for revision and stick to the plan. This will provide you with the structure you need for effective studying.
  - **Start studying on time and when planned.** If you delay your revision and do not give yourself enough time you will struggle to cover everything you need to. This will leave you under pressure and unable to perform to the best of your ability. Rushed revision will leave you unprepared and possibly anxious.
  - **Try to study at the same times each day and at a time that works best for you.** This establishes a routine that becomes a regular part of your day.
  - **Set specific goals for study times.** Be very clear in your mind what you want to accomplish during your revision times. Focus and concentrate on one thing at a time and break large tasks into a series of smaller tasks. Goals will help you stay focussed
  - **Remember to take breaks and try not to do too much studying at one time.** If you do, you will tire and your studying will not be effective. Instead, space your revision over shorter periods of time, taking short breaks to restore your mental energy.
  - **Make sure you are not tired or hungry when you study.** Otherwise, you won't have the energy you need to concentrate.
  - **Study in a quiet place that is free from distractions and interruptions.** Find or create a quiet place where you can revise alone, a space designated for studying alone. Remove all distractions. Turn off your phone, the TV and video games. Listening to music may also be a distraction.
  - **Make good revision notes.** Reviewing your class notes and making study notes can really help. You can use bullet points, numbers, mind maps, drawings and colour.
  - **Make use of the weekends.** Yes, weekends should be time for rest but it is sensible to dedicate some time to revision too. Remember, at the weekend you have more free time than during the busy school week.
- Work hard at the subjects you find difficult.** Do not give up on a subject just because you find it challenging. Work hard at it and you will see improvements.
- **Don't be afraid to ask for help.** Ask your teacher or classmate for help if you do not understand something or you need clarification.
  - **Don't waste time or fool yourself.** Revision needs to be thorough, committed and focussed. Don't kid yourself by skimming quickly through your notes. If you want the best result you can get **you need to put in the work.**



## Study techniques

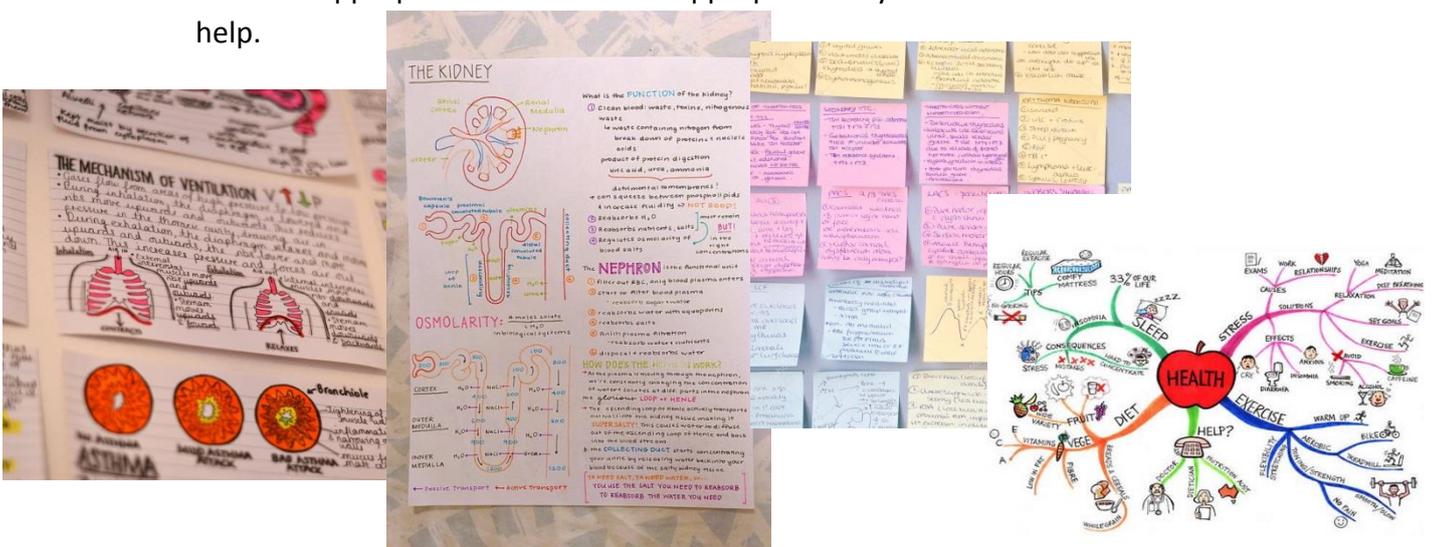
Once you have decided the subject you are going to study, there are various ways to help you learn.

- It is important to follow your learning list carefully.
- Go through your notes thoroughly and make sure you understand them.
- Summarise your notes – use headings, subheadings, bullet points, short phrases and key words. Keep it concise but do not leave out important detail.
- Use a highlighter or underline with red pen to make the key words or phrases stand out.
- Create a spider diagram or mind map to summarise your work.
- You may like to use cue cards or post-its.
- You may wish to use rhymes or mnemonics to help you remember things. (**Never Eat Shredded Wheat** can be used to remember the points of the compass North, South, East and West.)
- Using colour, diagrams and drawings can also help.
- Test yourself as you go along by trying to rewrite what you have learned or ask someone to test you by asking you questions.
- Leave enough time to cover all the topics on your learning list, ticking off each topic once you have completed it.

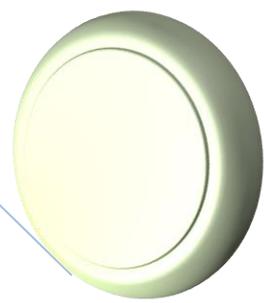
**Remember** - it is important to find a technique that works best for **you**. Not everyone learns in the same way.

**What happens if you come across something in your notes that you do not understand?**

- Note it down or put a post-it in your book to indicate the topic you find difficult.
- You may wish to ask a parent/guardian, sibling or friend to explain it while you are at home.
- Make a point of speaking to your subject teacher as soon as possible. Remember to ask at an appropriate time and in an appropriate way but never be afraid to ask for help.



**KS3 End of Year Exams  
4th - 8th June 2018**



## KS3 End of Year Exams 4<sup>th</sup> - 8<sup>th</sup> June 2018

- Teaching timetable suspended and Exam Timetable to be issued to all students.
- Exams commence Monday 4<sup>th</sup> - Friday 8<sup>th</sup> June.

Exam Subjects: English, Geography, History, Irish, Mathematics, Science, Religious Studies, Spanish.

Portfolio Subjects with Synoptic Element: Technology, P.E.

## Year 10 Learning List English

Learning List	Revision completed
You have studied the following poems in class and you will analyse one of them in your exam:	
<ul style="list-style-type: none"> <li>• The Early Purges by Seamus Heaney</li> </ul>	
<ul style="list-style-type: none"> <li>• Mid-term Break by Seamus Heaney</li> </ul>	
<ul style="list-style-type: none"> <li>• Raglan Road by Patrick Kavanagh</li> </ul>	
You should complete all class work and homework exercises to the best of your ability to prepare for your test.	
Some key terms to revise are:	
<ul style="list-style-type: none"> <li>• Personification</li> </ul>	
<ul style="list-style-type: none"> <li>• Tone</li> </ul>	
<ul style="list-style-type: none"> <li>• Hyperbole</li> </ul>	
<ul style="list-style-type: none"> <li>• Pun</li> </ul>	
<ul style="list-style-type: none"> <li>• Metaphors</li> </ul>	
<ul style="list-style-type: none"> <li>• Similes</li> </ul>	
<ul style="list-style-type: none"> <li>• Structure</li> </ul>	
<ul style="list-style-type: none"> <li>• Stanza</li> </ul>	
<ul style="list-style-type: none"> <li>• Rhyming couplets</li> </ul>	
<ul style="list-style-type: none"> <li>• Alternate rhyme</li> </ul>	
You have studied the following poems in class and you will analyse one of them in your exam:	

## Year 10 Learning List Geography

Learning List	Revision completed
To understand the structure of the earth	
To know what happens at plate boundaries	
To know the different types of resources	
To understand the impact of resource use on the environment	
To understand what is meant by an ecosystem	
To understand how nutrients are cycled through an ecosystem	
To be able to interpret food chains	
To understand the tropical rainforest ecosystem	
Deforestation	
To be able to complete and interpret a graph	

## Year 10 Learning List History

Learning List	Revision completed
Democracy and Dictatorship	
Life in Nazi Germany	
The Causes of World War Two	
Hitler's foreign policy aims	
Hitler actions from 1933-39?	
Why did the League of Nations not try to stop Hitler?	
What does the Abyssinian Crisis tell us about the League of Nations?	
The Events of World War Two	
Who were the two sides in WW2?	
An overview the War in Europe 1939-1945.	
What happened at Dunkirk and how Dunkirk has conflicting Interpretations?	
The Holocaust: How were Jews treated in Nazi Germany?	

## Year 10 Learning List Irish

Learning List	Revision completed
<b>Dialann an Lae</b> (Daily Routine)	
Typical school day:	
Verbs in the present tense	
Shopping	
<b>Saol Sláintiúil</b> (Healthy Lifestyle)	
Healthy food	

## Year 10 Learning List Mathematics

Learning List	Revision completed
1. Rounding, Estimating, Upper and lower bounds	
2. Scatter graphs	
3. Speed, Distance and time	
4. Drawing curved graphs	
5. Rules of Algebra	
6. Solving equations	
7. Indices	
8. Averages	
9. Trigonometry	
10. Percentage change / Reverse percentages	
11. Area and Volume	
12. Changing the subject	
13. Factorising	
14. Fractions	
15. Simple Algebraic Fractions	
16. Standard Form	
17. Simultaneous equations	
18. Compound Interest	
19. Trial and Improvement	
20. Gradient and $y=mx+c$	
21. Relative frequency	
22. Probability	

## Year 10 Learning List Science

No.	Topic	Page reference	Revision Completed
	<b>The Chemistry of Metals we use in our Modern World</b>		
C1.11	<ul style="list-style-type: none"> <li>The Physical properties of Metals compared to some Non-Metals. Carry out the investigation on page 54 and record the method and the results you find in a suitable table. Summarise the general properties of metals.</li> </ul>	54-55	
C1.3	<ul style="list-style-type: none"> <li>The Reaction of some Metals and water. You will get the opportunity to observe the teacher adding the first 3 Group 1 metals, 'Alkaline metals' to water. Record the method and design a results table for the results. You will need to form the word equations for each reaction.</li> </ul>	56-57	
C1.4	<ul style="list-style-type: none"> <li>You will react Hydrochloric acid with Magnesium, Tin and Zinc. Record the method and design a results table. Decide which metal is most reactive.</li> </ul>	60-61	
C1.5	<ul style="list-style-type: none"> <li>The Reactivity Series of metals. Decide from the previous experiments you observed and carried out the order of their reactivity.</li> </ul>	62-63	
C1.7	<ul style="list-style-type: none"> <li>Carry out the experiment, record the method and results in a suitable. Make your conclusion on the order of reactivity. Create a Mnemonic to help you remember the order of the common metals.</li> </ul>	66-67	
C1.8	<ul style="list-style-type: none"> <li>You will Smelt some Lead oxide with Carbon to remove the Oxygen leaving pure lead. Remember Lead oxide is toxic so wash hands.</li> </ul>	68-69	
C1.10	<ul style="list-style-type: none"> <li>Metal Corrosion. You will carry out an experiment to find out what conditions favour corrosion or rusting of metals. Record the procedure and results.</li> </ul>	72-73	
	<ul style="list-style-type: none"> <li>Your teacher will discuss the relationship between the reactivity of elements and their Atomic structure. You will be shown how to draw the atomic structure of several elements from the Periodic table using circles for the shells x for the electrons and also show the number of Protons and Neutrons in the nucleus. You will learn how to</li> </ul>		
C2.1	<ul style="list-style-type: none"> <li>You will carry out three investigations and you will decide which is a Physical change and which is a Chemical change.</li> </ul>	78-79	
C2.2	<ul style="list-style-type: none"> <li>Your teacher will demonstrate an experiment to show that the two products of combustion of a fuel in air are Water and Carbon dioxide</li> </ul>	80-81	
C2.3	<ul style="list-style-type: none"> <li>Measuring the energy in a fuel using a candle of alcohol.</li> </ul>	82-83	
C2.5	<ul style="list-style-type: none"> <li>Oxidation. Be able to define the terms Oxidation and Reduction</li> </ul>	86	
C2.6	<ul style="list-style-type: none"> <li>You will carry out an experiment to investigate the reaction of Hydrochloric acid and Marble chips. Bubble the gas through lime water to test for Carbon dioxide. Make the connection with Marble Arch caves formation. Write up with a diagram</li> </ul>	88-89	
C2.7	<ul style="list-style-type: none"> <li>Making Salts: You will carry out experiments to make the following Salts:               <ul style="list-style-type: none"> <li>Sodium chloride</li> <li>Copper sulfate</li> <li>Calcium nitrate</li> </ul> </li> <li>Write up as practicals in the proper way.</li> </ul>	90-91	
C2.8	<ul style="list-style-type: none"> <li>Investigate Exothermic and Endothermic Reactions.</li> <li>You will carry out the following experiments:</li> </ul>	92-93	

	<ul style="list-style-type: none"> <li>○ Exothermic – add Hydrochloric acid to Sodium hydroxide</li> <li>○ Add Potassium nitrate to water</li> <li>○ Add Magnesium powder to Copper sulfate</li> <li>● Record in the proper manner</li> </ul>		
C2.9	<ul style="list-style-type: none"> <li>● Conservation. You will carry out Experiment 2 detailed in page 95</li> </ul>	94-95	
	<b>Biology</b>		
	<b>Who do you think you are? The causes of Variation</b>		
B2.1	<ul style="list-style-type: none"> <li>● Using Keys to sort organisms</li> </ul>	28-29	
B2.3	<ul style="list-style-type: none"> <li>● Sorting the Vertebrates into groups</li> </ul>	32-33	
B2.4	<ul style="list-style-type: none"> <li>● Sorting Invertebrates page 34 only</li> </ul>	34	
B2.6	<ul style="list-style-type: none"> <li>● Continuous and Discontinuous Variation. Measure the heights of the pupils in the class ,decide on height groups, create a Tally chart and draw a Histogram. Repeat for other factors such as handspan. Record number of pupils who can roll and not roll their tongue as an example of Discontinuous variation. Draw table and graph.</li> </ul>		
B2.7	<ul style="list-style-type: none"> <li>● Genes and Inheritance</li> </ul>	40-41	
B2.11	<ul style="list-style-type: none"> <li>● Darwin and Evolution</li> </ul>	48-49	
	<b>April Test Variation only 23<sup>rd</sup> April 2018</b>		
	<b>The Biology of Health</b>		
B1.9	<ul style="list-style-type: none"> <li>● Growing bacteria present in water. Study other microbes and their uses and dangers</li> </ul>	18-19	
B1.10	<ul style="list-style-type: none"> <li>● Microbes and Diseases know what microbe causes common diseases.</li> </ul>	20-21	
	<b>Physics Electricity for the home</b>		
P1.4	<ul style="list-style-type: none"> <li>● Making Electricity from Movement. You will investigate the production of electricity by Wind turbines.</li> </ul>	104-105	
P1.5	<ul style="list-style-type: none"> <li>● You will investigate how electricity is made by burning fuels. You will learn about the energy transformations involved in each stage.</li> </ul>	105-106	
P1.6	<ul style="list-style-type: none"> <li>● From Electricity to Heat. You will observe how heat is produced when a current is passed through a wire. You will investigate the used made of this property.</li> </ul>	108-109	
P1.8	<ul style="list-style-type: none"> <li>● Seeking Sustainability. Learn why we can't continue to burn fossil fuels at the current rate. Link with Geography. What are the alternatives.</li> </ul>		
P1.9	<ul style="list-style-type: none"> <li>● Investigating series and Parallel circuits.</li> </ul>	114-115	
	<b>Physics at Work</b>		
P2.2/2.3	<ul style="list-style-type: none"> <li>● Measuring speed using light gates.</li> </ul>	122-125	
P2.4	<ul style="list-style-type: none"> <li>● Using graphs to represent motion. Learning to use distance /time graphs.</li> </ul>	126-127	
P2.8	<ul style="list-style-type: none"> <li>● Investigating Pressure. Calculating the pressure you exert wearing shoes compared to someone wearing stiletto heel!</li> </ul>	134-135	
P2.11	<ul style="list-style-type: none"> <li>● Balanced on a see-saw</li> </ul>	140-142	

## Year 10 Learning List P.E.

Assessment List	Previous Result
Explosive Power - Broad Jump test	
Flexibility - Sit & Reach test	
Strength Endurance - Press-Ups & Sit Ups tests	
Strength Endurance - Plank test	
Aerobic Endurance - Yo-Yo test	
Speed - 20m Speed test	

## Year 10 Learning List R.E.

Learning List	Revision completed
Know the 8 Beatitudes and what they mean for Christians today	
Know the key terms Prejudice and Sectarianism and be able to give examples of both	
Islam: the life of Muhammad - Mecca - 610AD - The writing of the Quran (How)- Why is the Quran important for Muslims? The Five Pillars of Islam - The Core beliefs of Islam - the Similarities between the Islam Religion and Christianity and the Differences between Islam and Christianity	
The story of the Empty Tomb - why is this story important for Christians today?	

## Year 10 Learning List Spanish

Learning List	Revision completed
Countries and nationalities	
Past tense activities/verbs	
Transport	
Opinions of transport	
Weather	
Personal details...family, jobs, pets etc.	
Free time and hobbies	
House and where you live	
Rooms and furniture	

## Year 10 Technology

Range of Symbols-

- Electronic
- Mechanical Control
- Health & Safety

Range of hand tools -

- Cutting & finishing tools
  - Marking out & measuring tools
- (How to use the above tools in a practical situation.)

Basic electronics - from Yr 8/10

- Resistor colour code
- Input/ Output components
- Ohms law and LED's.
- Transistors in circuits
- Potential Divider

Mechanisms - from Yr 8/9

- Classes and types of levers
- Cams and followers

Range of materials -

- Properties of materials - advantages/ disadvantages
- Natural woods
- Manmade boards
- Non-ferrous and ferrous metals
- Plastics
- Joining materials
- Processes

## Year 10 Employability

Assessment: Portfolio – LMI, Career Planning, Skills and Qualities

Students will be given a booklet to complete in class and for homework.

Topics include:

	Completed Y/ N
• LMI/ the modern job market	
• Key words for the world of work	
• Personal Employability Skills Assessment	
• Skills, Qualities and Jobs	
• How to develop your skills & Employability Skills Action Plan	
• Sources of reliable Careers Information	
• Choosing subjects for KS4	
• Careers Research & Personal Career Plan	