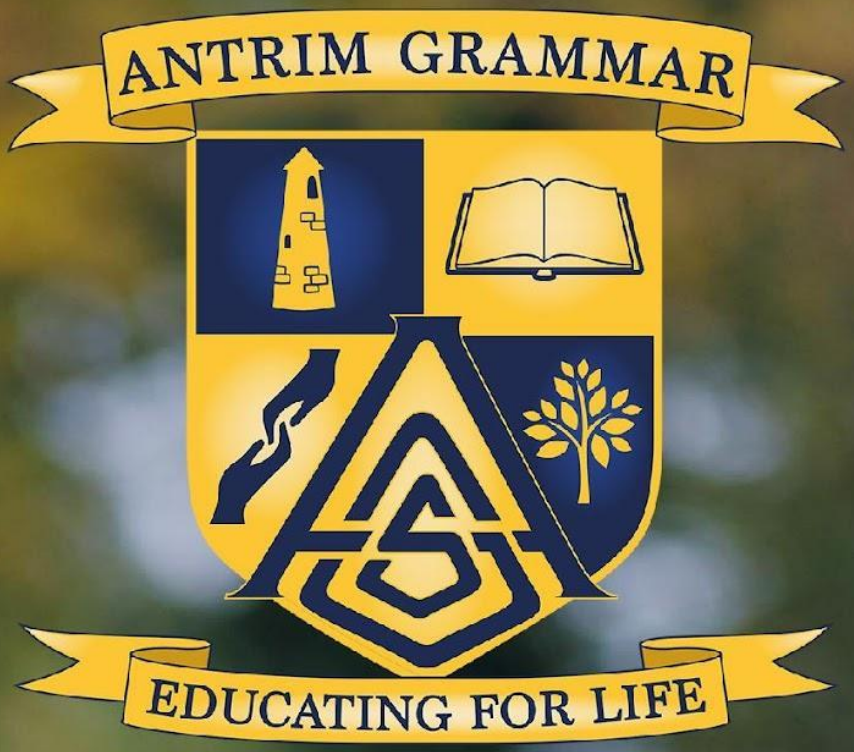


Year 10 Revision Topics

Winter Examinations 2025

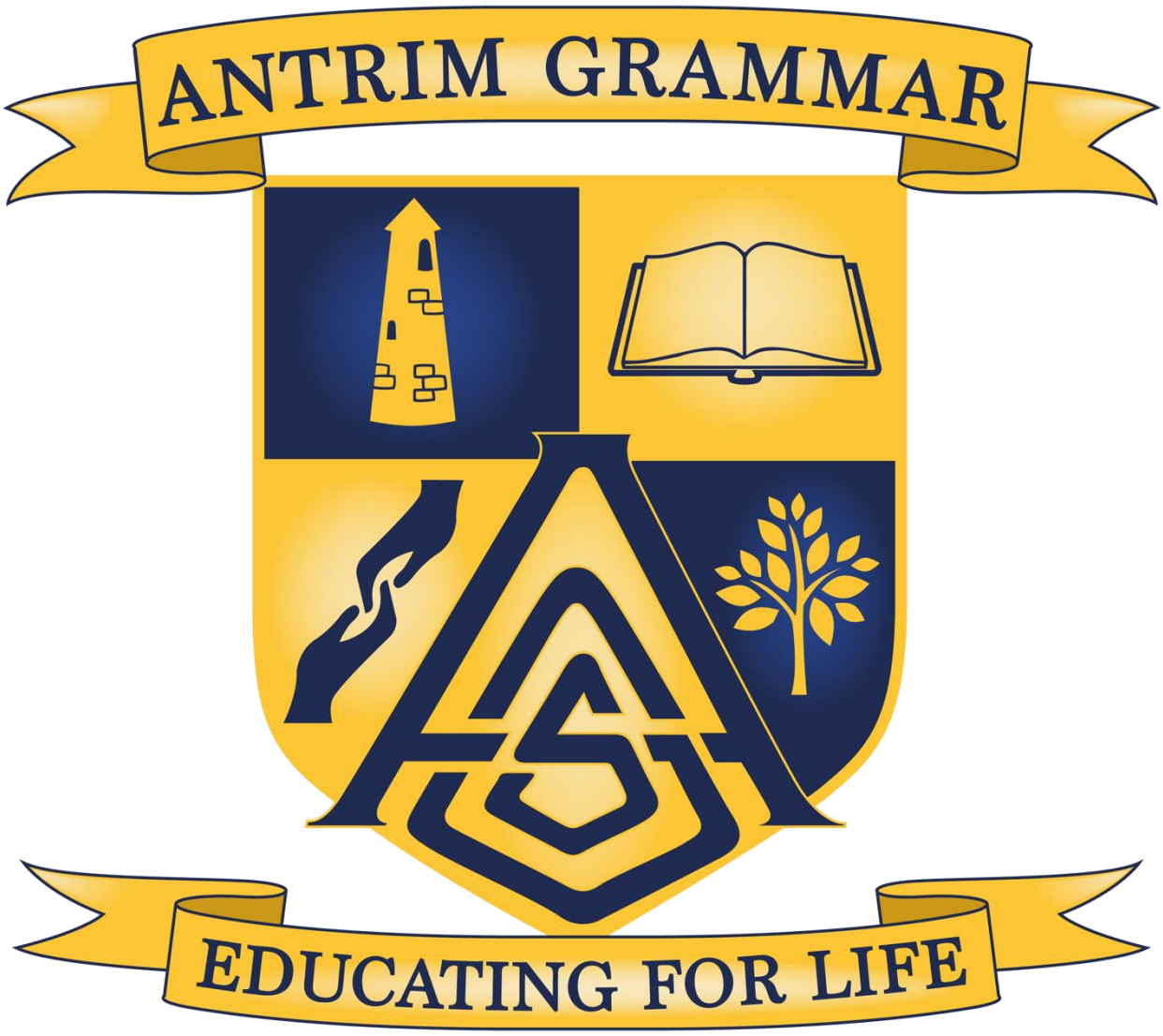
This booklet outlines the key topics you should revise for your subjects for the Winter Examinations.	
Subject	**Topics to be revised**
Biology	**Year 9 Booklets** Diet and Digestion Booklet Ecosystems (up to and including Pyramids of Biomass) **Year 10 booklet** Genetics and Evolution up to the end of Natural Selection.
Chemistry	This will consist of the Year 9 topics shown below in bold and those covered this term: ● **Acids and Alkalis** ● **Practical Skills (omitting 9PS P3 and 4 on pages 28 + 30)** ● **States of Matter** ● Gases ● Making Chemical Observations (omitting the observations on pages 19-23) ● Handling data
Design and Technology	**Design Examination** Pupils will be prepared for a set task in advance of the winter examinations. In class they will be asked to research an area of design and create a research page with specific instructions. On the day of the examination ***they must bring this research with them*** and use its content in the examination to help them design a solution to a problem. Pupils should also ensure they bring drawing equipment and colouring pencils/pens with them in order to complete the exam. The theme for Year 10 will be around gaming consoles and accessories.
Digital Technologies (ICT)	(All topics on department website) 1. Cybersecurity: a. You and your data b. Social engineering c. Script kiddies d. Rise of the bots e. There's no place like 127.0.0.1 f. Under attack 2. Introduction to Python Programming: a. First Steps b. Crunching Numbers
English	Your English teacher will put a Knowledge Organiser in Google Classroom. It is vital that you revise how to write PEAL points.

French	You will have a listening, a reading and a writing test. The listening exam will be done in class before the school exam week. The exam will be based on unit 1 of Dynamo 2. You should use the Success in French booklet to help you revise. As part of the writing test you will have to write three paragraphs: · Personal details (eg name, age, birthday, family, pets, likes and dislikes) · Where you live, what holidays you get and your opinion · What you did on a *past* holiday.
Geography	**Tourism** ● Key definitions of tourism; ● Understand and be able to explain why international tourist numbers have increased dramatically in the last 50 years ● Be able to discuss the positive and negative social, environmental, and economic impacts of tourism ● Be able to define Dark Tourism and discuss the positive and negative impacts of this type of tourism. ● Revise your map of Dark Tourism sites ● Pompeii – what happened and what were the impacts? ● Revise your shield, supervolcano and composite volcanoes ***Any changes to the above will be advised by your teacher***
History	**The Holocaust** ● Why did Hitler hate the Jews? ● Anti-semitism and Nazi propaganda ● Economic, legal and violent persecution of the Jews, 1933-39 ● The Ghettos ● The Einsatzgruppen ● The Final Solution, 1942-45 ● Life in a concentration camp **WW1** ● The long term and short term causes of WW1 ● Recruitment in 1914 **Source work skills** ● Reliability question - DAMMCAT ● Utility question - CADO
Home Economics	**Revision from Year 8:** Personal & Kitchen Hygiene for practical **Revision required from Year 9:** Eatwell Guide & 8 Tips for Healthy Eating **Revision from Year 10:** Energy & Nutrients Fuelling the Body ● Understand the importance of energy balance and how we can achieve it ● Write down the calorific value of each of the macronutrients per gram

	• Explain the factors that affect the amount of energy we require and how this can change • Explain the relationship between positive energy balance, weight gain and obesity • Explain the impact of portion sizes our ability to achieve energy balance and support with examples (of different food groups: pages 13-17) • Discuss the tips for portion control • Explain the dietary and lifestyle advice you would give to an individual trying to achieve a healthy weight **Food Provenance:** • Define food provenance • Demonstrate an understanding of of where food comes from • Identify the origins of foods that are grown, caught and reared • Explain how foods are produced: grown, caught & reared
Mathematics	Objectives 1-20 Chapter 2 Reciprocals, Fractions and Recurring Decimals Bounds Chapter 4 Percentages Chapter 13 Areas and Volumes, including the volume and surface area of a sphere and cone Chapter 6 Algebraic Products Factorising
Music	• Jazz Music • Periods in Musical History
Physics	**Year 8 topics:** • Weight and mass • Earth and Space - planets • Speed equation and distance-time graphs • Density **Year 9 topics:** • Electricity – circuit symbols, current • Energy transfers • Potential energy • Statics **Year 10:** • Moments • Centre of gravity • LIght - up to reflection • Definitions – a sheet will be provided
Religious Studies	**Ethics and Morality** Key terms: moral act, immoral act, non-moral act, moral dilemma.

	Examples of Moral and Immoral Behaviour. Examples of Moral Issues. Influences on choices. Choices and consequences. Sophie's Story. Influences on Christian decision making eg Bible, 10 Commandments, The Golden Rule, Church teaching, Conscience. Factual details surrounding The Bridge. Situation Ethics as a guide to moral decision making - taking the most loving action. **Crime and Punishment** What is crime? Different punishments for crime. Purposes of punishment. Factual details around the process of Capital Punishment today: where is it legal, what methods are used. Arguments FOR and AGAINST the issue. Bible verses and Church teaching which relate to the issue. The work of Amnesty International in campaigning against the death penalty. Case studies which relate to Capital Punishment. Key terms which relate to crime and punishment: deterrent, protection, reform,, reparation, life sentence, death row, imprisonment, fine, tagging, community service.
Spanish	The Spanish examination consists of 2 papers: 1. Reading and Grammar (25 minutes) 2. Writing (25 minutes) For the **Reading section**, you need to understand the meaning of words. Revise vocabulary on Topic 1 (Booklet pg. 10 + 11): ● Countries ● How your holiday was and what sort of time you had ● Transport ● Holiday activities ● How long you spent on holiday ● Time phrases ● Weather (Y9 Booklet pg. 56) For the **Grammar section**, you need to be able to apply the rules. Revise: ● Preterite Tense irregular verbs *ser* and *ir* (Booklet pg. 5) ● Preterite Tense regular AR, ER and IR verbs (Booklet pg. 5) ● Near Future Tense (Booklet pg. 5) ● Present Tense regular AR, ER and IR verbs (Booklet pg. 6) ● Opinions and adjective agreement (Booklet pg. 7) For the **Writing paper**, you need to be able to write accurately in Spanish from memory.

	Q1: Vocabulary list Q2: Short sentences in the past, present and future Q3: Extended writing in the past, present and future Revise: ● Vocabulary: ❖ Who you go on holiday with (Booklet pg. 10) ❖ Where you go on holiday (Booklet pg. 10) ❖ Transport (Booklet pg. 10) ❖ How your holiday was (Booklet pg. 10) ● Grammar: ❖ Present Tense verb endings (Booklet pg. 6) ❖ Preterite Tense verb endings (Booklet pg. 5) ❖ Near Future Tense (Booklet pg. 5) ● Extended Writing: You will write three paragraphs from Topic 1 Extended Writing that you have prepared in your yellow book. Each paragraph should include time phrases, justified opinions, connectives and qualifiers. ❖ What you like/dislike to do on holiday and why ❖ Your holiday last year ❖ Where you are going to do this summer


ANTRIM GRAMMAR
EDUCATING FOR LIFE