



Year 11 Spring Term 1 (January – February 2024)



Curriculum Topic Overview

Core Subjects – Studied by all learners

	Week Beginning	Class Exam Focus Language	Class Exam Focus Literature	Period 6	Retention & Retrieval quiz
English	08/01	Transactional Writing: applying rhetoric + upgrading sentences	A Christmas Carol- completion. 4a + 4b.	Conflict Poetry Flashcards	Macbeth
	15/01	Analysing longer texts (Q3 paper 2) focus on sentence structure	A Christmas Carol- completion. 4a + 4b.	Conflict Poetry Quizzing	Refugee Boy
	22/01	Providing an opinion (Evaluate Q6)	Planning and writing an extended response: Conflict	Analysing Language and structure (Q3)	Conflict Poetry
	29/01	Ideas and perspectives (Q7b)	Analysing unseen poems	ACC Flashcards	ACC
	05/02	English Language Paper 2 CAE w/b 19/02	English Literature Paper 2 w/b 05/02	ACC Quizzing	Conflict Poetry
Mathematics	Personalised learning based on a Question Led Analysis (QLA) from exam practise papers Exam skills – practising past exam papers and how to gain marks				
Combined Science and Separate Science	Biology B15 Evolution <ul style="list-style-type: none"> State how fossils are formed and how they support the theory of evolution. Describe causes of an extinction How mutations can bring about antibiotic resistance and how we can reduce the rate of mutations. Describe how organisms are classified using Linnaeus system and how this system has evolved including the 3-domain system (Carl Woese). B16 Interdependence <ul style="list-style-type: none"> Describe interdependence and competition. Define biotic, abiotic and what factors plants and animals compete for. Define what is a stable community. Interpret data from graphs and tables including food chains and webs, predator- prey graphs. Describe how organisms are adapted including extremophiles. 				
	Chemistry C12 Analysis Describe the difference between pure and impure substances. <ul style="list-style-type: none"> Analyse chromatograms. Describe chemical tests for hydrogen, oxygen, carbon dioxide and chlorine gas. Explain the results of chemical tests. Evaluate analysis techniques. Required practical: 1. Analysing chromatograms. 2. Testing for positive and negative ions (CHEM only)				
	C13 Atmosphere (GCSE Chemistry only – Separate Sciences) <ul style="list-style-type: none"> Describe how the Earth’s atmosphere was formed. Describe the composition of the Earth’s atmosphere. Describe factors which are affecting the composition of the Earth’s atmosphere. Describe the impact of changes to the Earth’s atmosphere. Explain in detail how the greenhouse effect leads to climate change. 				
Physics P12 Waves (Combined Science only) <ul style="list-style-type: none"> Describe waves in terms of energy transfer and oscillation. Compare transverse and longitudinal waves. Describe observations of waves at boundaries. 					

	<ul style="list-style-type: none"> • Measure the wavelength, frequency, and speed of mechanical waves. • Apply the wave equation $v = f \times \lambda$. <p>Required practical: investigating waves in solids and liquids</p> <p>P13 Electromagnetic Spectrum</p> <ul style="list-style-type: none"> • Describe the electromagnetic spectrum in order of increasing wavelength and frequency. • Describe the uses and dangers associated with the electromagnetic spectrum. • Describe and explain how parts of the electromagnetic spectrum can be used for communication. • Describe and explain how the frequency of waves affects the energy transferred. • Describe safety precautions necessary for the use of the electromagnetic spectrum. <p>P14 Light GCSE (Physics only)</p>
<p>Core Physical Education</p>	<p>Physical activity and Mental Health</p> <p>Learners will understand the importance of enjoyment in physical activity uptake and exercise adherence furthermore, learners will gain an understanding of their own personal fitness and the importance of good fitness in their lives.</p>
<p>ARRK Lessons</p> <p>Core Values Aspirational Resilient Respectful Kind</p>	<p>Legal and illegal drugs</p> <p>Learners will look at the following aspects:</p> <ul style="list-style-type: none"> • Facts about legal and illegal drugs and their associated risks, including the link between drug use, and the associated risks, including the link to serious mental health conditions. • The law relating to the supply and possession of illegal substances. • The physical and psychological risks associated with alcohol consumption and smoking

Option Subjects Overview



Humanities

History	<p>Weimar and Nazi Germany 1918-1939 Revolution of 1918, Treaty of Versailles, Problems in Weimar Germany, Hyperinflation, Munich Putsch, Wall Street Crash, Gustav Stresemann, Rise of the Nazi Party, Hitler's personality, Himmler and the Police State, Goebbels and propaganda, Berlin 1936 Olympic Games, Policies towards Women, Hitler Youth, Strength Through Joy, Lives of German Jews, Opposition to the Nazi Party.</p>
Geography	<p>The Living World Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components. Tropical rainforest ecosystems have a range of distinctive characteristics. Deforestation has economic and environmental impacts. Case study – Amazon rainforest</p> <p>Tropical rainforests need to be managed to be sustainable. Hot desert ecosystems have a range of distinctive characteristics Development of hot desert environments creates opportunities and challenges. Areas on the fringe of hot deserts are at risk of desertification. Students will know:</p> <ul style="list-style-type: none"> • Why are there are different environments around the world? • How have these environments changed? • How have people interacted with these environments?
Philosophy and Ethics	<p>Topic Review Learners will now be focusing on improving their subject knowledge across the qualification. The lesson structure will include the revision of key ideas in Philosophy and Ethics as well as improving examination skills.</p>

Languages

French	<p>Topic Review Learners are now completing 2 – 3 lessons on each of the last topics, focusing on vocabulary to secure a grade 4 and above. Learners will also focus on the key skills.</p>
Spanish	<p>Topic Review Learners are now completing 2 – 3 lessons on each of the last topics, focusing on vocabulary to secure a grade 4 and above. Learners will also focus on the key skills.</p>

Design Technology

3D Product Design	<p>Externally Set Assignment Learners will research, record, experiment and develop ideas before sitting a 10-hour exam in which they create their final piece.</p>
Engineering	<p>R040 – Design evaluation and modelling This unit requires students to apply practical skills to produce a prototype product or model using craft-based modelling materials alongside computer-controlled or rapid-prototyping processes.</p>
Textiles	<p>Externally Set Assignment Learners will research, record, experiment and develop ideas before sitting a 10-hour exam in which they create their final piece.</p>
Food Technology	<p>Non-Examination Assessment 2 The NEA 2 Food Preparation Assessment task gives students the opportunity to demonstrate their knowledge and understanding in relation to the planning, preparation, cooking, presentation of food and application of nutrition related to the task. This task is a written and practical task and contributes 35% of final GCSE grade.</p>
Art	<p>Externally Set Assignment</p>

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Physical Education

GCSE PE

- 1.1e Effects of exercise on the body
 - Short term effects of exercise on the body
 - Long term effects of exercise on the body
- 2.2a Engagement patterns of different social groups in PA and sport
 - Physical Activity and sport in the UK
 - Participation
- 2.3 Health, Fitness and Wellbeing
 - Health, fitness, and Wellbeing
 - Diet and Nutrition

CNAT PE

- R184 Contemporary Issues in sport - Issues which affect Participation
- 2.3 Sporting values initiatives and campaigns
 - 2.4 The importance of etiquette and sporting behaviour
 - 2.5 The use of performing-enhancing drugs (PEDs) in sport TA3 The implications of hosting a major sporting event for a city or country
 - 3.1 The features of a major sporting event
 - 3.2 Pre-event aspects of hosting a major sporting event
 - 3.3 Aspects of hosting a major sporting event TA4 The role national governing bodies (NGBs) play in the development of their sport

Health and Social Care

- Definition of health and wellbeing: a combination of physical health and social and emotional wellbeing, and not just the absence of disease or illness.
- Physical factors that can have positive or negative effects on health and wellbeing: o inherited conditions – sickle cell disease, cystic fibrosis o physical ill health – cardiovascular disease, obesity, type 2 diabetes mental ill health – anxiety, stress, physical abilities, and sensory impairments.
- Lifestyle factors that can have positive or negative effects on health and wellbeing: nutrition, physical activity, smoking, alcohol and substance misuse.
- Social factors that can have positive or negative effects on health and wellbeing: supportive and unsupportive relationships with others – friends, family, peers and colleagues, social inclusion and exclusion, bullying and discrimination.

Business and IT

Business

Business Planning

This content area focuses on how a business & enterprise activity can plan for the future. Pupils will learn about:

- The purpose and benefits of planning
- The sections of the business plan

Information Technology

How can IT create effective digital working practices?

- Defining responsibilities and security parameters, disaster recovery policy, actions to take after an attack.
- Disaster recover policy, forms of notation including data flow diagrams, flow charts, system diagrams, tables and written information, shared data, environmental impact of it, safe use and disposal of IT equipment.