



Year 11 Summer Term 1 (April – May 2024)

Curriculum Topic Overview



English

Race to exams

Interleaved revision for the English Language and Literature exams:

- Literature Paper 1 (Macbeth & Refugee Boy) **Monday 13th May**
- Literature Paper 2 (A Christmas Carol & Conflict Poetry) **Monday 20th May**
- Language Paper 1 **Thursday 23rd May**: Reading and Imaginative Writing
- Language Paper 2 **Thursday 6th June**: Reading and Transactional Writing

Mathematics

CAE Feedback

- Personalised learning based on a QLA from exam practise papers
- Exam skills – practising past exam papers and how to gain marks

Combined Science and Separate Science

Biology

B15 Evolution (Inheritance)

- 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 (Ecosystems)

- 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.
- Define biodiversity and explain why maintaining it is important to the future of the human species.
- Describe the effects of an increasing human population including managing waste, land use, deforestation and global warming.
- Explain ways to maintain biodiversity

Chemistry

C13 Earths Atmosphere - Earth

- 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

C14 Earth's Resources - Earth

- Define the terms finite, renewable and sustainable in terms of the use of resources.
- Describe how water can be made potable.
- Describe and explain the stages involved in treating wastewater.
- Describe the processes in a Life cycle assessment of a product.
- Explain the issues arising from reduce, reuse and recycle.

Skill required practical:

- Purifying water

C15 Using our resources - GCSE Chemistry Only

- Describe how corrosion in metals can be prevented
- Explain the use of alloys of metals
- Evaluate the use of polymers and plastics
- Explain how sustainability of resources affects the use of materials

Physics

P15 Electromagnetism - Electricity & Electromagnetism

- Describe the field pattern around a magnet
- Describe the magnetic field around a current carrying wire and solenoid
- Apply Fleming’s left hand rule to describe the motor effect

Physics only

- Describe the generator effect
- Describe the use of transformers in electrical supplies

P16 Space (Physics Only) - Forces

- Describe the objects found in space
- Describe the life cycle of stars
- Describe the forces on natural and artificial satellites
- Describe the evidence for the “Big Bang” theory
- Describe the use of evidence to alter scientific theories

Core Physical Education

Physical Literacy
Students will gain an understanding of what is meant by the term Physical Literacy and how this will help them to develop physically.

What Motivates you to Engage in Physical Activity?
Students will reflect on individual motivations towards physical activity and understand which physical activities might be right for them.

Humanities

History

The American West 1830-1895
Key topics include:

Mountain Men Manifest Destiny California Gold Rush Lives of the Plains Indians American Civil War	Transcontinental Railroad Mormon Migration Lawlessness in the West Indian Wars	Little Bighorn Gunfight at the OK Corral, Indian Reservations Wounded Knee.
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- The geographical nature of the American West and the lives of the Plains Indians.
- The impact of migration on the American West.
- Conflict and conquest of different groups of settlers in the American West

Geography

Physical Landscapes of the UK: Rivers
The shapes of river valleys change as rivers flow downstream.
Distinctive fluvial landforms result from different physical processes.
Different management strategies can be used to protect river landscapes from the effects of flooding.
An example of flood management scheme in the UK – River Tees.

- The physical processes that happen in rivers.
- The land formations that are caused by rivers.
- Different methods that humans use to manage the risks posed by rivers

Philosophy and Ethics

Our Revision Programme has started in Philosophy & Ethics.
This is a combination of structured revision sessions, key knowledge tests and practice exam questions.
All students have a copy of their revision programme.

Languages

<p>French</p>	<p>CAE Feedback Students will receive feedback on their recent CAE exams. They will complete revision tasks focusing on all four skills (reading, listening, writing and speaking) Students will be preparing for their upcoming speaking GCSE exam.</p>
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<p>Spanish</p>	<p>CAE Feedback Students will receive feedback on their recent CAE exams. They will complete revision tasks focusing on all four skills (reading, listening, writing and speaking) Students will be preparing for their upcoming speaking GCSE exam.</p>
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<p>3D Product Design</p>	<p>Externally Set Assignment: Term 5: Student’s research, record, experiment and develop ideas before sitting a 10-hour exam in which they create their final piece.</p> <p>Development</p> <ul style="list-style-type: none"> • Artist studies • Sketching designs • Digital designs • Compare designs • Refined studies <p>Throughout Y11 students will learn about new artists/designers and develop their knowledge of the meaning behind many works of art/design</p>
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<p>Engineering</p>	<p>R038 – Principles of Engineering Design. This unit provides the opportunity for students to develop their understanding of the requirements of design briefs and design specifications for the development of new products.</p> <p>Topics/Skills covered in the R038 unit include: Methods of evaluating a design outcome i.e., measurement and functionality of a product, quantitative comparison with the brief and specification, testing, identifying potential modifications and improvements to the design. Including advantages and limitations of each method.</p> <p>R040 – Design, Evaluation and Modelling This unit will enable students to perform effective product analysis. It 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> <p>Topics/skills covered in the R040 unit include: Produce a physical model of a design by selecting an appropriate modelling method, selecting appropriate materials, processes, and tools. Apply safe working procedures, record key stages of the manufacture. Compare the prototype against the design specification and identify potential improvements in the design</p>
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<p>Textiles</p>	<p>Externally Set Assignment: Term 5: Student’s research, record, experiment and develop ideas before sitting a 10-hour exam in which they create their final piece.</p> <p>Development</p> <ul style="list-style-type: none"> • Thumbnail sketches • Developed designs • Fashion Flats • Digital designs (Photoshop/PIXLR) • Modelling on the mannequin • Adapting an existing pattern • Making a toile • Analysis of ideas • Compare designs
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Design Technology

Throughout Y11 students will learn about new textile artists and designers and develop their knowledge of the meaning behind many works of textile art and design

Food Technology

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.

- Students will build upon general practical knowledge and skills, both during preparation and practical sessions.
- Students will develop their knife skills and expand their knowledge and ability to use a range of kitchen equipment.
- Students will gain awareness of different cooking methods, and the science behind these.
- There will be a focus on high-level skills used in the kitchen. These include sauce making, tenderising, and marinating.
- Students will understand the importance and use of raising agents in the kitchen, and the science behind how this works.
- Students will understand the pressures of working in a kitchen environment when challenged to deliver three products in a specified time frame.
- This component allows students to develop an understanding of how kitchens run in a commercial setting, giving them expectations and experience of potential work placements.
- Exam question practise

Art

Externally Set Assignment:
 Term 5: Student’s research, record, experiment and develop ideas before sitting a 10 hour exam in which they create their final piece.

Development

- Artist studies
- Sketching designs
- Digital designs (Photoshop/PIXLR)
- Compare designs
- Refined studies

Throughout Y11 students will learn about new artists and develop their knowledge of the meaning behind many works of art

Physical Education

Cambridge National PE
R184 Contemporary Issues in sport TA2 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
- 4.1 National governing bodies (NGBs) TA5 The use of technology in sport
- 5.1 The role of technology in sport
- 5.2 Effects of the use of technology in sport



	<p>2.2a Engagement patterns of different social groups in PA and sport</p> <ul style="list-style-type: none"> • Physical Activity and sport in the UK • Participation • Commercialisation <p>2.2 Sports Psychology</p> <ul style="list-style-type: none"> • Characterisation of a skill • Classification • Goal Setting <p>2.2 Sports Psychology</p> <ul style="list-style-type: none"> • Mental Preparation • Types of guidance • Types of feedback
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<p>Health and Social Care</p>	<p>Component 3: Health and Wellbeing</p> <p>A1 - Factors affecting health and wellbeing</p> <p>Learners will explore how factors can affect an individual’s health and wellbeing positively or negatively. This links to and extends knowledge and understanding of human lifespan development including life events, covered in Component 1. Here, however, the focus is on the current health and wellbeing of individuals.</p> <p>B1 Physiological indicators</p> <p>Learners will explore how physiological indicators are used to measure health</p> <p>B2 Lifestyle indicators Learners will explore how lifestyle choices determine physical health</p> <p>C1 Person-centred approach</p> <p>Learners will explore the use of the person-centred approach in health and social care settings. This links to, and consolidates, knowledge and understanding from Component 2 on the skills, attributes and values that contribute to care.</p> <p>C2 Recommendations and actions to improve health and wellbeing</p> <p>Learners will explore recommendations and actions that are aimed at improving health and wellbeing, alongside support available for achieving this. This links to, and consolidates, knowledge and understanding from Component 1 on sources and types of support, and Component 2 on health and social care services, and also skills, attributes and values that contribute to care</p>
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Business and IT

<p>Business</p>	<p>Non-Examine Assessment</p>
<p>Information Technology</p>	<p>Finished course or preparing for resit</p>