



# YEAR 10 CURRICULUM LETTER SUMMER

Welcome to our Summer term Curriculum Letter. There are plenty of [extra-curricular](#) activities for students to get involved in this half term and many departments will be running exciting activities.

More general information about the curriculum can be found [here](#).

Students will be participating in an Activities Week towards the end of term - more information will follow soon.

The departments that teach your child have contributed below to let you know what students will be studying this term.

## ART

Introduction to Dada and Surrealism as the next project as part of portfolio coursework. In this, pupils will consider some of the Dada and Surrealist work in the collection of The Tate Modern (as well as other collections) - as a contrast to the Tate St. Ives visited in the autumn. This project will take pupils through both the Summer Term of Yr10 and the Autumn Term of Yr11.

## BUSINESS STUDIES

Business students have been studying the impact of the external environment on businesses. Students have been finding out how economic factors including; consumer income, unemployment, inflation, interest rates and exchange rates affect businesses. Students will soon be starting their next unit, Unit 2.1, where they will learn about the challenges businesses face as they grow and expand, particular topics of interest include issues of globalisation and ethical considerations.

## COMPUTER SCIENCE

Principles of Programming - Basics of good programming.  
Software Engineering - Software development environment.  
Program Construction - Assembly language.  
Algorithms - Programming Constructs.  
Python (Basics) - Developing Python Coding.  
Python (Advanced) - Preparing for Paper 2 examination.

## DRAMA

Scripted work: 'Blood Brothers' and Devised coursework.

## ENGLISH

In the summer term, students study their Shakespearean text - Macbeth. They will consider how Shakespeare crafts characters and structures the play to impact the audience as well as his use of language choices and figurative language. We will consider how historical contextual factors such as the Gunpowder Plot, the ascension of King James to the throne as well as fear of the supernatural, witch hunts and gender stereotypes impacted the play's production and reception. They will also consider the concept of tragedy, understanding the Ancient Greek traditions from which it stems as well as moral and social questions such as the role of fate, responsibility and pride in our decision making and what makes us human.

Students will have the opportunity to watch a range of productions and consider directors' choices as well as taking on the role of actors and directors themselves, considering how staging, costumes and acting decisions can affect the audience's perception of characters and events.

## FOOD & NUTRITION

Continuation of the previous terms as well as assessments.

Also look at food choice, sensory evaluation and food provenance. Students will have regular written assessments throughout the year.

## GEOGRAPHY

Students will be studying the diverse landscapes of the UK as well as completing their urban fieldwork in Bristol.

River Landscapes: Develop an understanding of the river landscapes of the UK including the processes and landforms they create as well as the factors leading to and management of flooding.

Coastal Landscapes: Learning about the formation of the diverse coastal landforms of the UK coastline and developing and understanding of the factors influencing their formation including geology and prevailing winds as well as learning about coastal management strategies. This will prepare students for their coastal fieldwork in the Autumn term.

## GEOLOGY

Completing work on Theme 5 "Magma on the Move" (igneous rocks), moving onto Theme 6 "Squashed and Heated" (Metamorphic rocks) and then completing the year with Theme 7 "The Geological Machine" (Plate Tectonics). They will also undertake their second piece of fieldwork at Widemouth Bay, looking at sedimentary environments and structural geology. Students will then move onto studying Plate Tectonics, Seismicity and the Earth's structure.

## HISTORY

In-depth study of The British Sector of the Western Front. Weimar and Nazi Germany 1918-39.

## MATHEMATICS

Data - Looking at cumulative frequency, histograms and box plots and how to compare and analyse data.

Inequalities - Solving both linear and quadratic inequalities.

## MFL: FRENCH

Students will be able to discuss environmental and social concerns and be able to explain how we can make the world a better place.

Students will also complete a mock speaking exam.

## MFL: GERMAN

Topic 1: Tourism in the German speaking world.

Topic 2: Holidays.

Students will complete a speaking mock exam also.

## MUSIC

Exam preparation including revisiting each AOS, Set works, listening practice and Free Composition (1).

## PHYSICAL EDUCATION

### Core PE:

Students are offered a range of activities that develops their personal fitness and promotes an active, healthy lifestyle. They are able to choose 2 per week which they then develop skills in for half a term. They are taught to use and develop a variety of tactics and strategies to overcome opponents in either hockey, badminton, volleyball, handball, rugby, netball, or football, depending of which of these they choose.

They can choose more aesthetics options like yoga or trampoline or they can choose to work on their own fitness in our fitness suite.

## GCSE PE:

Application of principles of training to a PEP.

Methods of training.

Application of methods of training to a PEP.

Executing the PEP.

Long term effects of training on the musculo-skeletal system.

Long term effects of training on the cardio-respiratory system.

Identification and treatment of injury.

Injury prevention in physical activity.

Performance enhancing drugs (i).

Performance enhancing drugs (ii).

## PSHE

Year 10 has two strands this year: looking at the wider world including what is citizenship, human rights, role of the media, first aid, managing money. The other strand deals with RSE such as impact of cyber bullying, good mental health, healthy/unhealthy relationships, pornography, self examination to stay healthy, fertility and pregnancy.

## RELIGION, PHILOSOPHY & ETHICS

Jewish practices - In this unit we cover the importance of the synagogue for Jews, kosher dietary laws, festivals, rites of passage and worship.

## SCIENCE

### Biology:

We build on the fundamentals that are covered in year 9 to complete the GCSE spec. Immunity; Nerves; Hormones; Plants and the environment.

### Chemistry:

Using our resources: finite and renewable resources; potable water; water treatment; metal extraction; life cycle assessment.

Earth resources: rusting and alloys; ceramics; composite and fertilisers.

### Physics:

#### Combined Science (Physics)

Electromagnetism and motors (end).

#### GCSE Physics

Electromagnetism and motors.

Electromagnetic induction.

