



Year 9

Course Outlines

Art and Design

Students develop and extend skills learnt in Years 7 and 8, potentially preparing for GCSE Art. Through themed projects, further opportunities are provided for students to investigate additional media, techniques and processes including; illustration, digital manipulations, stylised drawing, stencil cutting and wire/clay sculpture. Students continue to work with a clear methodical approach undertaking contextual research, experimenting with media, drawing and resolving a final outcome. Students also have the opportunity to participate in a 3D sculpture workshop with a visiting Artist.

Computer Science

- The Appliance of Computer Science - this unit aims to reveal the science behind Computer Science and how computers actually works. Areas included are: Computing number systems, Compression, including Binary image and sound representation, Boolean logic, Python programming
- ADVANCE programming in Python learning text based language
- Computer Ethics - students study computer ethics and laws, including social engineering and environmental issues associated with Computer Science.
- Creative programming projects

Design and Technology

All students will study a range of subjects in DT and Food until late January.

Food Preparation: Students will make a range of healthy and inspirational foods.

Product Design and Graphics: Students will design and prototype ideas based around Glamping. The process is designed to be iterative and will teach a range of important skills and processes that teach them to succeed through practice.

Textiles: Students will continue the Glamping theme and design a drawstring bag that is suitable to carry a range of products including clothing.

From February, students will have the opportunity to study one subject in greater depth until the end of the year. Students will be able to choose from:

Electrical and Mechanical Systems: Counting system using Binary.

Food Prep: Students will be able to select from a range of recipes from different cultures around the world.

Graphic Products: Design and manufacture of a mock-up product and its packaging.

Product Design: Students will design and make a product using rapid modelling and experimentation and make using CAD and CAM.

Textiles: Students will design and make a punk or hippy styled bag using a range of techniques.

Drama

In Year 9 the students will really start to hone their skills. The schemes of work become more challenging and more focussed on the relationship between the actor and the audience. Students are encouraged to use their creativity within the parameters of the schemes of work, and the resulting performances are frequently excellent. Students start to look at more challenging dramatic theory, such as surrealism, and are encouraged to push themselves beyond their comfort zone.

English

The Year 9 English Curriculum develops the language skills that are essential to full, productive and confident communication. An appreciation of our rich and varied literary heritage and a lifelong love of literature and language are encouraged through engagement with the spoken and written word. Students also begin study towards GCSE English Language and GCSE English Literature.

Spoken language is integral to classroom practice, reflecting its importance to cognitive, social and linguistic development. Students are provided with multiple opportunities to develop their confidence and competence through both informal discussions and formal study of presentation, debate and drama skills.

Reading: Engaging with a breadth of challenging texts of different forms, genres and origins, students learn comprehension skills linked to content, purpose, audience and context. Additional skills learning is related to: vocabulary and etymology; inference and deduction skills; critical analysis skills linked to writers' choices of: vocabulary, figurative language, grammar, structure, organisation and form.

Writing: Students learn to write clearly, accurately and coherently, adapting their language and style in a range of contexts, purposes and audiences, including formal academic essay writing and imaginative writing. They also refine their drafting and writing skills, developing resilience to write at length and with an increasing sophistication of expression, grammatical command and application of linguistic and figurative devices.

Broader Literacy Skills: Students' grasp of the structure, intricacy and nuances of English language and literature is further developed through learning and application of grammatical, linguistic and literary terminology related to areas of study.

French

Listening: Students show that they can understand extracts of spoken language containing familiar material from several topics including present, past and future events. Speaking: Students show that they can take part in conversations that include past, present and future events.

Reading: Students show that they can understand a variety of texts which include past, present and future events. They can identify and note main points and specific detail. Writing: Students show that they can write sentences using simple, descriptive language and refer to past, present and future events.

Topics covered:

- Entertainment and advertising
- A balanced diet
- Transport and holidays

Geography

- **Geography of Crime:** The study of socio-economic patterns of crime and management strategies on a local, national and international scale.
- **Impossible Places:** The study of unusual places where man has had to overcome nature's physical challenges and barriers and where nature continues to dictate human activity.
- **Awesome Asia:** The study of global and national population change and migration with a focus on China, Singapore, Philippines and Japan.
- **Snowball Earth:** The study of glacial processes and landforms, climate changes and the effects on human activity.
- **EXTENSION TOPIC (optional) Work, Work, Work:** The study of globalisation, changes in industry and the processes by which businesses or other organisations develop international influence or start operating on an international scale.

German

In Year 9, the students follow the textbooks **Zoom 1 & 2**, which cover key topics and incorporate grammatical structures. These books lead directly to the GCSE course.

The topics covered are:

- holidays
- shopping
- leisure activities
- health
- daily routine
- clothes
- going on a trip / an exchange
- festivals and celebrations
- media

History

Core topics will cover:

- Africa Depth Study
- 20th Century Conflict
- Genocide Depth Study
- Post War Britain

Life Skills

Students study topics such as, managing peer pressure and conflict, how to tackle homophobia and sexism, assess the risks of alcohol and drugs and maintaining a healthy life. They will look at what makes a healthy relationship and at the issue of consent. They will have the opportunity to plan and carry out an enterprise project for the school's charitable event the Big Day. Lessons will include aspects of careers with students identifying their future aspirations. They will identify their learning strengths and set goals as part of their GCSE options process. Citizenship issues such human rights and the concern about knife crime will also covered.

Mathematics

Number and Algebra: Decimals, fractions and standard form without a calculator. Introduction to surds. Equations and inequalities (including simultaneous equations). Quadratics.

Updated September 2019 (GAB)

Shape and Space: Graphs of straight lines and curves. Gradients. Representing inequalities on a graph. Congruence and similarity. Trigonometry. Introduction to circle theorems.

Handling Data: Correlation. Averages. Stem and leaf diagrams. Histograms. Construction and circle theorems. Box and whisker diagrams. Cumulative frequency curves. Probability of combined events including the use of tree diagrams and venn diagrams.

Music

Music students continue to develop the interrelated skills of composing, performing, listening and appraising. They learn to further refine their ideas by regularly listening to and reviewing their own and others' work and are encouraged to develop and increase their use of musical terminology. Knowledge of conventional notation is extended to include the bass clef and students explore a variety of styles, including Blues, fanfares, Classical music and pop songs.

Physical Education

Students experience the following activities:

Girls - Athletics, Badminton, Basketball, Cricket, Dance, Handball, Outdoor and Adventurous Activities, Hockey, Invasion Games, Netball, Rounders, Trampolining, Tennis and Volleyball.

Boys - Athletics, Badminton, Basketball, Cricket, Football, Gymnastics, Health Related Fitness, Invasion Games, Outdoor and Adventurous Activities, Rugby, Softball, Table Tennis and Tennis.

Students have the opportunity to:

- Develop skills in physical activities
- Make and apply decisions
- Develop physical and mental capacity
- Evaluate and improve
- Make informed choices about healthy, active lifestyles.

Religious Studies

Autumn Term/ Spring Term: Rights and Responsibilities, An exploration of beliefs, creeds and ultimate questions. The Christian teachings of Rev. Martin Luther King and their influence on the civil rights movement, particularly with regard to non-violent protest. The influence of Mahatma Gandhi and other religious leaders who fought against discrimination.

Spring term: Continue with the teachings and influences of Rev ML King. Holocaust memorial day - year 9 trip to meet a Holocaust survivor- student led activities based on the trip- focus on discrimination and prejudice. Nelson Mandela.

Summer Term: Understanding Buddhism, its teachings and actions including the eight -fold path, four sights and the four noble truths.

A topic related to GCSE RS/ A level- looking forward to Examination courses.

Science

Students continue to build on the foundations from KS3 Science and begin their journey into KS4 content.

Biology

- Cell Structure and Transport
- Cell Division
- Organisation and the Digestive System

Chemistry

- Atomic Structure
- The Periodic Table
- Structure and Bonding

Physics

- Particles
- Energy
- Space

Spanish

In Year 9, students follow a course using the textbook **Viva 2**, which is topic based integrating speaking, listening, reading and writing and also incorporating a range of grammatical structures.

The topics and structures are:

- **Holidays**/preterite tense regular and irregular.
- **Talking about music, technology, TV programmes**/comparatives/preterite tense.
- **Food** and mealtimes/expressing opinions/eating out/shopping for food/giving an account of a party/use of negatives/use of the three tenses.
- **Arranging to go out**/giving excuses/clothes/discussing events in the three tenses/ reflexive verbs/demonstrative adjectives.
- **Describing a holiday home**/comparatives/superlatives/sking directions/using imperatives.