

What will my Year 11 child learn this term?



A summary of learning for the Autumn Term 2024

Art

Welcome back year 11. It's important that all pupils fully understand that all work created in lessons will count towards their GCSE grade at the end of year 11. Completing unfinished work must be done at home or in school. The project this year is 'Food' - we will research artists who work with this theme in their work. We will analyse and explore their insights and generate our own responses by using a range of materials. We will be completing observational drawing of natural forms and food, drawing fruit bowls and cupboard contents or photographing these items at home will help support their portfolio. It will also make their book extraordinary compared to others because they are doing extra for this unit. They will spend 14 weeks on this unit. The deadline is the 20th December. After this they will start the preparation for the exam question.

BTEC Digital Information Technology

Pupils are continuing developing and practice their spreadsheet skills in preparation for their formal NEA assessment in October. Once complete they will move onto learning the theory for the last component of the course, leading up to their formal written exam next year in May.

Business

Pupils will continue working through Unit 2 with a focus on 2.1 - Growing the Business and 2.2 - Making marketing decisions where they explore how each element of the marketing mix is managed and used to inform and make business decisions.

Computer Science

Pupils will develop their understanding of cyber security risks, and how technology has impacted the world, laws and can have ethical implications. Alongside, pupils will continue to learn how to write more sophisticated Python applications in preparation for their mocks and exams.

Creative iMedia

Pupils continue working on their second coursework unit which is digital graphics where they are currently working through their formal NEA assessment to produce a range of graphics for a specific client. Once complete they will move on to the final unit which is the knowledge based unit looking at the Media industry and culminating in their only formal written exam in May next year.

Design & Technology

Pupils studying GCSE Design & Technology have now begun their NEA coursework unit, which is worth 50% of their overall grade. They have selected a context for their starting point and have begun exploring the possibilities of what they create, to meet a primary user's needs. During this term, pupils will be further developing their work by analysing existing products, creating primary user questionnaires and developing design ideas, as well as continuing topics of theory learning alongside in class assessments, to support them with their final exam. Pupils have been issued with coursework checklists to support them in making progress with the coursework pages.

Drama

Year 11 Drama students will create, rehearse and perform their Component 1 devised performances, using the techniques of Frantic Assembly, Bertolt Brecht or Steven Berkoff. Alongside this they will analyse and evaluate the stages of creating their work and write their Component 1 portfolio.

Engineering Design

Pupils studying Engineering Design will be completing their R040 coursework (Design Evaluation and Modelling) due 22nd November 2024, ready for final submission to OCR Exam Board on 10th January 2025. During this term there will be opportunities for pupils to attend lunchtime and after school sessions.

Pupils will continue developing their knowledge in preparation for the exam element of the course and will need to use the Google Classroom link to access the key terms on Quizlet. Quizlet is a free app that pupils can use on a computer or download to their phones for revision in Engineering Design. The R038 exam, which is worth 40% of their overall grade, will take place at 9am on 13th May 2025. Pupils will be sitting a mock exam in the week beginning 9th December 2024. To aid in their revision students will borrow an Engineering Design coursebook from the Library, it does not need to be returned until after their Engineering Design R038 exam on the 13th May 2025.

OCR Cambridge Nationals allows pupils a second opportunity to complete an NEA during the course. We will take advantage of this and complete the new R039 unit set in June 2024, in January 2025 to allow pupils the opportunity to improve their grades on this unit.

The two coursework units, R040 and R039 are worth 60% of the overall grade for the course. It is to the students' advantage to achieve as well as they can on the two NEA units as these grades combined with their R038 exam grade will determine their overall grade.

English

Pupils begin the year by studying J.B Priestley's morality play 'An Inspector Calls' for three lessons a week. Pupils will explore and analyse the characters and themes in depth and detail. Furthermore, pupils will explore Priestley's intentions as the playwright and how the story links contextually to 1912 and 1945. For two lessons a week, pupils will practise and continue to develop the skills required to answer the five questions on Language Paper 2: Writers' Viewpoints and Perspectives.

Food Preparation and Nutrition

Y11 in GCSE Food Preparation and Nutrition is a crucial year. This term starts with the launch of NEA1 - This a Food Science investigative project, whereby pupils respond to a live brief. After choosing their initial question/theme, pupils will research, plan and carry out food science experiments and reflect and analyse the results. This project culminates in a 1500-2000 word document (inclusive of practical photos and accumulated data). The NEA1 controlled assessment takes 10 hours maximum to complete in total. The report equates to 15% of the final GCSE. In November (after half term) Pupils complete their second NEA - worth 35%. At the end of the course the final written exam is worth 50%.

Geography

As pupils progress with their GCSE Geography course (Edexcel A), they will continue to explore a range of topics which are connected to their three main areas of study; The Physical Environment; The Human Environment; and Geographical investigations including fieldwork and UK Challenges. Early in the term, pupils will carry out their second compulsory fieldwork investigation, visiting Hornsea to examine the effects of coastal erosion on the town and its residents. Pupils will then continue with their study of Changing Cities, considering case studies from both the UK and around the world, such as Mexico City. After half term, pupils will study their third and final physical Geography unit, further developing their understanding of different types of ecosystems, and the management strategies needed to protect those that are under threat.

Health & Social Care

Year 11 - *Principles of care in health and social care settings*. This unit is assessed by an exam. In this unit pupils will learn about the key topics that are important when caring for and protecting people in health and social care. Topics include: the rights of service users in health and social care settings, person-centred values, effective communication in health and social care settings and protecting service users and service providers in health and social care settings.

History

Throughout the Autumn Term of Year 11, students will study the third out of four GCSE topics: Medicine Through Time 1250-present day. They start with Section B of the course, a study of medical change and continuity from the Medieval to the Modern period. This includes comparative studies of medical beliefs, preventions, treatments, technology, hospitals and professionals. They will focus on key skills of explanation and evaluation of the factors contributing to change or continuity in these periods. Just before Christmas, students will study Section A of the course which is a case study on an historic environment: the trenches of World War One. They will evaluate the utility of historical sources for an enquiry into the trenches and develop their skills as practising historians.

Maths

During the Autumn term, pupils will work on the last 2 units of the whole GCSE course "Similarity" and "Probability". In preparation for their exams and as a very useful revision tool, pupils will receive Past gcse papers as part of homework every week up to the exams. Past paper homework will be given out on the same day and expected the same day in a week's time. 11a pupils will receive past papers on Wednesday and 11b on Thursday. These will be marked and feedback given in lessons on key questions.

GCSE French & Spanish: Pupils will return to Y11 and study the topic of holidays and travel. This unit will cover holiday destinations, booking accommodation and describing past holidays. At this stage in the course, Y11 pupils will be able to use at least three tenses to talk about holidays as well as giving detailed opinions and using the 3rd person form. Pupils will consolidate their skills through listening, reading, speaking and writing as they go through this unit by participating in a variety of activities. During the second half of the Autumn term, pupils will complete a mock speaking exam with their teacher and this crucial experience will support with their preparation for their assessed speaking exam. Furthermore, in the second part of the term pupils will study the unit of school, they will discuss their school routine, uniform and the positives and negatives of school. Throughout the term pupils will practice GCSE style tasks and continue to build their knowledge and understanding of applying grammar rules when writing and speaking and also broadening their range of vocabulary to support with listening, reading and translation tasks.

Music

In Term 1, pupils will learn core knowledge for Area of Study 1, with a focus on the piano music of Chopin and Schumann and the requiem of the late Romantic period. . Pupils will complete their free composition by October half term (25/10/24), and will then start work on their composition to a brief set by the exam board.

GCSE PE

Pupils will begin their work on Paper 2 Material. This is focussed on the Health, Fitness and Well-being and the effect that physical activity can have on preventing illness and injury. Alongside their theory work, pupils will also begin to develop their practical skills in a range of sports.

Personal Development (PSHE)

In the Autumn Term, students will study two PSHE units. First, PSHE time will be dedicated to having all students set up their college application portals (Log On Move On) and then students will focus on physical risks to their safety, such as through knife crime, gang crime and drugs and alcohol. In the second part of the half term, students will study a unit on health and wellbeing where they look at mental health, body image and self-esteem.

Photography

Welcome back to photography. It's important that all pupils fully understand that all work created in lessons will count towards their gcse grade at the of year 11. All work is completed on the googleclassroom which they have access to at home. However, if work isn't completed in lessons then it's the pupil's responsibility to complete the work before the next lesson. We also use photopea which is a free photo editing software available to all.

Project 1- self directed. This means pupils have selected a theme which they explore the meaning of and other words contented to this theme. They have been given examples of photographers that cover these themes. They will research and analyse the work to help them decide how they can organise and propose a photo shoot which is in the style or covers an aspect of the selected photography. Pupils will work on this for 14 weeks. The deadline is 21st December. In January all pupils will be set exam preparation. To support your child, consider interesting places or items they could photograph as homework to support their theme. Cameras on phones can be used or borrowing a camera from the department is possible and would include signing a form.

+ Religious Studies

In Year 11, pupils will explore the Crime and Punishment unit. They will look at the origins of crime and the effectiveness of different types punishment. Pupils will explore if these are effective and the religious and non religious responses to these different types of punishment.

Science

In biology we will be covering the topic of homeostasis and response, including the following areas:

- Describe what homeostasis is.
- Identify three things which need to be controlled in humans.
- Describe the role of receptors, coordination centres and effectors.
- Explain the importance of homeostasis in terms of enzyme and cell function. Describe a basic reflex action.
- Identify and name the parts of a reflex arc.
- Explain how the various structures in a reflex arc relate to their function.
- Choose data from graphs, charts and tables, to interpret information about the nervous system and translate information about reaction times between numerical and graphical forms. Identify and describe the functions of the cerebral cortex, cerebellum and medulla.
- (Higher Tier Only) Describe how neuroscientists have been able to map the regions of the brain.
- (Higher Tier Only) Explain some of the difficulties of investigating brain function and treating brain damage and disease.
- (Higher Tier Only) Evaluate the benefits and risks of procedures carried out on the brain and nervous system

In chemistry we will be covering the topic of chemical changes, including the following areas:

- Describe what happens in an acid + metal reaction
- Describe how to identify the gas produced in an acid + metal reaction
- Determine the products from an acid + metal reaction
- Write word and balanced symbol equations for acid + metal reactions
- (HIGHER) Explain in terms of electrons that acid + metal reactions are redox reactions
- (Higher) Construct ionic equations for Metal and acid reactions The pH Scale
- Define an acid, alkali and base
- Describe what the pH scale shows
- Describe the use of universal indicator to measure the pH of a solution Define a neutralisation reaction
- Determine the products from different neutralisation reactions
- Describe how to identify the gas produced in an acid + metal carbonate reaction
- Write word and balanced symbol equations for different neutralisation reactions
- HT Write an ionic equation to show what happens in the neutralisation process

In physics we will be covering the topic of forces, including the following areas:

- State what momentum is
- State how to calculate the momentum of an object in motion
- Explain what is meant by conservation of momentum in collisions and explosions
- Perform calculations investigating the conservation of momentum in collisions or explosions
- State how to calculate the stopping distance of an object
- Calculate the stopping distance of an object
- Explain how both the thinking and braking distance can be affected
- Calculate reaction time, distance travelled, force applied and work done under braking from graphs of motion State Newton's third law of motion
- Identify the pairs of forces acting in an interaction

- Describe the interaction between two objects in terms of Newton's third law
- Explain the interaction between two objects in terms of the forces

Sports Studies

Having visited Welton Waters Activity Centre during Term 3 in Year 10 pupils will be completing unit R187. This unit involves increasing their awareness of Outdoor and adventurous Activities and the benefits of taking part in OAA. Pupils will also be planning their own OAA session including completing a risk assessment for their chosen activity.

Textiles

Pupils studying Textiles have now completed their first project of their coursework portfolio, with a design brief of Architecture. Pupils have learnt how to present their work, how to analyse and respond to the work of others, developed design ideas, and have begun developing a wide range of skills in Textiles techniques and processes, which they have used to manufacture their own final outcomes responding to the design brief. Pupils will continue with their second coursework project, which they started to focus on before the summer break, which along with project 1 will make up their Component 1 portfolio, worth 60% of the overall grade pupils will receive for the course.