

Dear Parents/Carers

As you know, we continue to work on developing the curriculum in each of our subject areas, and want to ensure you are regularly informed as to the topics and key knowledge and skills that your child is studying. Not only does this give you an overview of what they are working on, it also helps you in supporting your child in their learning at home.

Please find below the summary of what your Year 10 child is working on during Term 2 and the topics and skills that this builds onto in Term 3. This will also include reference to any key events that are taking place within the subjects.

Subject	Content
English	This term, students are studying Robert Louis Stevenson's <i>Dr Jekyll and Mr Hyde</i> and analysing the language and themes that this novella presents. Their previous study of creative writing last term will aid them in identifying and exploring the effect of language and structural devices. Their understanding of the ethical issues in the novella for the period will help aid their study of the GCSE AQA Language Paper 2 next term, where they will look at different writer's viewpoints and opinions and compare them.
Maths	This term students are looking at the unit of work, Developing Algebra. Students have covered both equations and inequalities at key stage 3, and this unit offers the opportunity to revisit and reinforce standard techniques and deepen their understanding. Looking at the difference between equations and inequalities, students will establish the difference between a solution and a solution set; they will also explore how number lines and graphs can be used to represent the solutions to inequalities. They will explore this topic next year when factorising quadratics to solve equations. Later this term, students will move on to the solution of simultaneous equations by both algebraic and graphical methods. Later in KS4, students will find the solution of a pair of simultaneous equations where one is quadratic, where factorisation will be used. During term 3 we will move onto Geometry. This unit will cover Angles and Bearings where students will reinforce their understanding of trigonometry and Pythagoras by applying their skills in other contexts, including real life situations. Later students will build on their previous knowledge of circles to explore the formulae for arcs and sector, moving onto surface area and volume of spheres and cones in Year 11. Finally we will revisit Vectors and use this knowledge as the basis for looking at calculating with Vectors. This will provide the subject content for exploring proofs in Year 11.
Science	This term, year 10 start with biology, looking at health and disease, including the causes of several communicable and non-communicable diseases, ways to prevent these and the body's own defences, especially the immune response and vaccination. They will also look at specialised cells, growth in animals and plants and mitosis. In Physics, students continue to build on their knowledge of motion which they started last term. Next term, year ten will study cellular respiration, understanding how the body transports what is needed for respiration to cells, and how it removes waste products. In chemistry, students will look in detail at fuels, focus on alkanes. In physics, students will learn about radiation, including the types of radiation, nuclear equations, half-life and nuclear power.
Modern Foreign Languages	In French this term students have been learning how to make arrangements to go out, describing a day out, discussing role models which will lead us to Module 2 "le temps des loisirs" -leisure activities, films and going to the cinema, sport and use of technology, discuss reading habits and music, talk about television programs and night out with friends. This will provide a platform for the students to explore the theme of "celebration" in term 3 where

	<p>they will talk about food and meals, discuss clothes and what to wear describe daily routine, shop for clothes, describe festivals and traditions.</p> <p>In Spanish students have been working on Module 2 “Mi vida en el insti” (“My life at school”), expressing opinions on school subjects, school uniform, describe their school, talking about school rules and problems, talk about plans for a school exchange, talk about extra-curricular activities and achievements, with a focus on using 3 tenses together. This will provide a platform for the students to explore the theme of “Mi gente” (“My people”) in term 3 where they will talk about socialising and family, describe people, talk about social networks, make arrangements, discuss reading preference and describe relationships.</p>
Design Technology	<p><i>In year 10, Design Technology and Food Preparation and Nutrition both have different topics in each term.</i></p> <p>Term 2 DT) Clocks inspired by architecture. Students will investigate modern architecture and design and create a wall /mantle/bedside clock which reflects a design style or movement.</p> <p>Term 3 DT) Timber side table. Students will create a side table from a given technical drawing by cutting wood joints and shaping timber using traditional hand tools and some power tools. Customise the table top and apply a suitable surface finish.</p> <p>Term 2 FT) Dairy. This term learning will focus on milk, cheese and yogurt and Students will prepare dishes to support knowledge of these commodities. Students will understand how these foods are produced and about local versus imported.</p> <p>Term 3 FT) Cereals and grains. This term learning will focus on cereals including flours, bread, pasta and breakfast cereals. Students will learn about different grains, how they are grown and how they are different and how to use them.</p>
Business Studies	<p>In term 2, Year 10 have been learning the difference between Business aims and objectives. They use formulas to calculate Business revenues, costs and profits and work out how to create cash flow and this includes investigations into sources of business finance. This builds into Term 3, where they will investigate the way start-ups and small businesses work and they discuss the importance of a business location. Students study the use of the marketing mix and the role of the 4Ps. In doing so, students get a greater understanding of Business plans.</p>
History	<p>Students will continue their GCSE studies (AQA 8145) in term two with ‘Britain: Health and the People’ (nineteenth & twentieth century medicine). They will examine public health, surgery & anatomy and the treatment of disease in each century. In term 3 students will complete Britain, Health and People before moving on to the inter war years. Students will further develop their understanding of key concepts and skills. They will also learn how to answer four GCSE exam questions on this topic.</p>
Geography	<p>This term, Year 10 students are completing their exploration of different weather hazards, focusing on tropical storms in the Philippines and flooding in the UK. They will explore the causes, effects and responses to these types of natural disaster and then use their knowledge to assess the impact of climate change on making these events more frequent and intense. Homework this term is on Seneca learning. Next term, students will begin their unit on The Urban World and Urban Change where they will look at issues around development of lower-income countries and how this affects the country's population.</p>
Fine Art	<p>In term 2, students complete a series of skills based ‘Protest art’ workshops using processes such as stencil making, stamp cutting and screen printing as part of their ‘Messages’ projects. In term 3, students will work increasingly independently to create protest art that reflects their own political concerns and uses techniques learned in Term 2.</p>
Sculpture	<p>In term 3, students create ceramic relief tiles based on their studies of landmarks. They then start to use slab making and coiling techniques to create ceramic sculptures. In term 3, they</p>

	will work increasingly independently, using the techniques learned in Terms 1 and 2 to create 3-d final piece outcomes.
Photography	In term 2, students create distorted landscapes using their Bexhill trip photos from the end of Term 1 as source material. Students take inspiration from Photographers such as Robert Rikhoff and Andreas Gursky to create a variety of landscape distortions using Photoshop and manual editing techniques. In term 3, students create work based on 'Distorted Portraits' Students look at the work of Photographers such as Maurizio Anzerri, using a variety of digital and manual techniques including printing on fabric and over stitching. Towards the end of Term 3, students will gradually move towards a final piece outcome.
Dance	Our year 10 GCSE dancers have been studying the work of A Linha Curva, we learnt a whole group piece inspired by the professional work which is great practice and focus towards the performance element of the exam. We then moved onto studying the Emancipation on Expressionism, a piece of hip hop dance theatre, again performing a group piece inspired by the work. All the group work is great preparation for when they are to perform a set piece for their exam. After Christmas we will move on to the choreography component which will be to a set brief from an AQA stimulus. Working independently they will research and plan a 2 min piece of solo choreography.
Drama	Over Terms 2 and 3 Year 10 are studying our set text of <i>Blood Brothers</i> by Willy Russell and starting to explore the written paper for the GCSE. They are developing their understanding of the play, characters and staging of the show. Year 10 are producing exam style answers and practising their written work as the exam is 60% of the Drama GCSE. Students will be exploring the text physically by rehearsing scenes to see how a play is intended from page to stage as well as group answers and critiquing model answers.
Music	The year 10s have been busy preparing for the upcoming gig at The Brass, we have an abundance of very talented musicians who have bought together a very exciting and eclectic repertoire which we can't wait to hear on stage. Alongside performance, the GCSE students have been developing a more sophisticated knowledge of music theory. We have been exploring the theory behind scales and chords, providing them a rich palette of harmonic and melodic devices which can be applied to some exciting composition activities we will be doing after Christmas based around the music of Beethoven, Handel and Chopin. Our BTEC class have been using GarageBand to sequence a chosen piece of music for Unit 7, once completed they will explore a variety of mixing and editing techniques, giving them an insight into the many recording careers available within the music industry.
PE	In term 2/3, the students will continue to build their knowledge of fitness with work based on fitness testing and training methods. The practical lessons will include elements of badminton and fitness training. The option group (OCR Sport Science) will continue to build their knowledge of reducing the risk of injury in sports. They will study types of injury, symptoms of certain conditions, and how to prepare for the January exam.
PSHE	Year 10 students are currently learning about the impacts of financial decisions, debt and gambling, saving and borrowing. In term 3 they will be preparing for work experience and looking at rights and responsibilities in the workplace.

Should you have any questions, then please do feel free to contact us directly.

M Feeley



Vice Principal