

<p>Mr Upward</p>	<p>Foundation This term, pupils will be focusing on developing their algebraic skills in preparation for their GCSE examination next summer. They will focus on correct use of algebraic symbols, working with brackets, substitution and solving equations. One key element that they will be learning is how to form and solve equations from situations. This may be worded questions or in the context of geometry such as angles or perimeter. Pupils will also be working with geometry. They will be working with area and perimeter (including circles), angles and transformations. Two vital areas that we will focus on during the term are:</p> <ul style="list-style-type: none"> • how to write mathematical answers in a logical and clear way. • how to use a calculator efficiently - (there are two calculator papers and one non-calculator). <p>Higher This term, pupils will be focusing on higher level algebraic development. They will be working with quadratics where they will learn the quadratic formula and how to complete the square. This will develop to sketching quadratic graphs and solving quadratic equations including simultaneous equations involving a quadratic. These will be extended into situations involving surds and algebraic fractions. They will also be learning about trigonometry at a higher level, including the Sine and Cosine rule. They will also learn to use circle theorems.</p>	<p>Encourage pupils with their weekly homework. Please remind them to show their working as we have been doing in class. Please encourage pupils to use the MathsGenie self-help support log to maintain practice for their GCSE and to identify areas where they would like further support.</p> <p>Please encourage pupils to use the MathsGenie self-help support log to maintain practice for their GCSE and to identify areas where they would like further support.</p>	<p>Expand Simplify Multiply out Factorise Substitute</p> <p>Function Quadratic Cubic Exponential Trigonometry</p>
<p>Science Miss Postans (Biology)</p> <p>Mr Goodchild (Physics)</p>	<p>Biology: In Term 1 we will be completing Topic 6, Inheritance, Variation and Evolution before moving on to complete Topic 7, Ecology for the rest of Term 1 and throughout Term 2. In the ecology topic we will be learning about competition, food chains, the carbon and water cycles along with the impact human activity is having on our world. Physics: In term 1 pupils will be finishing the topic on forces, learning about Newton's laws, graphs of motion and factors that affect the stopping distance of a car. We will then study a topic on waves up until Christmas. This includes the properties of waves such as frequency,</p>	<p>Encourage them to complete the homework set and reinforce their learning by accessing the BBC Bitesize topic for GCSE AQA listed below.</p> <p>Biology</p> <ul style="list-style-type: none"> • Inheritance, Variation and Evolution • Ecology <p>Physics</p> <ul style="list-style-type: none"> • Forces • Waves 	<p>Biology Speciation Biomass Meiosis Biodiversity Ecosystems Physics Displacement Acceleration Frequency Electromagnetic Wavelength</p>

	wavelength and wave speed along with the different types of wave, such as sound waves, water waves and electromagnetic waves.		
Computing Mr Naylor	This term the pupils will start working toward their IT qualification. This term they will be focussing on creating a range of Word documents, these will include creating a letter of complaint and a menu for a café and an invoice. Pupils will learn how to use the align, table and style tools amongst others. Some pupils will be creating a mail merge, and starting to learn excel skills.	Encourage your child to research what a mail merge is and how it can make working more efficient.	Style Word Processor Align Mail Merge Function
PSD Mr Everis Mr Smith	The group will be working through the module called 'making the most of Leisure time'. The focus will be on the benefits of Leisure activities and how to incorporate leisure activities into weekly schedules. The group are working through the Level 1 Healthy Eating unit with Mr Smith. They will be looking specifically at the differing dietary needs for two groups (diabetics and infants under the age of one) and will then need to produce a healthy eating plan for one day for an individual with specific dietary needs.	Encourage pupils to invest sufficient time in completing leisure activities that they enjoy Please encourage your child to try to research what foods should be avoided by infants under the age of one and look at reasons why.	Leisure Hobby Relax Diabetes Weaning Insulin
PE & Games Mr Altman and Mr Hunt	In the first term pupils will be learning about the game of badminton. The pupils will practise skills such as serving, under and overhead clears, smash, drop shot, fore hand and backhand drives. Pupils will learn the rules of badminton singles and doubles and then use these to help officiate games between their peers. During term 2, pupils will be learning about football They will practise essential skills, like passing, shooting, tackling, ball control, dribbling, and heading. Pupils will learn the rules of football and apply tactics like defending and attacking. Finally, pupils will learn about the different positions in football and know what each player should do in their role.	Parents should encourage their pupils to research the following badminton skills, drop shot, smash and overhead clear. Parents should encourage their pupils to research the basic rules of football.	Attack Defend Offside Space Intercept
RE Mrs Silverthorn	This term pupils are engaging in the unit of work on Crime and Punishment. Through this, pupils will investigate factors that which might contribute to criminal behaviour and follow this up by exploring two emotions experienced by victims of crime which might hinder forgiveness. From this, pupils will learn about the different types of	Engage pupils in discussion about aspects of crime and punishment and what they have learned in lessons.	Crime Punishment Aims Capital Punishment Forgiveness

	<p>punishments and what the aims are of these punishments. We will explore the arguments for and against capital punishment and look at different religious views on forgiveness.</p>		
<p>ELV Mr Everis and Mr Stenning</p>	<p>The group will be working through a module based on enterprise skills. They will be working through tasks and activities focused on entrepreneurship teamwork, working to deadlines and decision making.</p>	<p>Encourage pupils to follow the news and identify relevant business topics that maybe relevant to entrepreneurship (BBC Business News)</p>	<p>Entrepreneurs Risk takers Employed Self employed Not for profit Charities</p>
<p>DT Miss Attenborough</p>	<p>This term in the double lessons' pupils will be focusing on their NEA project, this is based on their own chosen theme. The pupils are finishing their research and will be creating their own Design Specification. The main part of the term will be focusing on the development stage, this will include initial ideas, followed by designing and modelling to experiment and solve a problem in their theme. In the single lessons pupils will be exploring content for their written exam. The main themes this term is drawing skills, types of movement and textiles.</p>	<p>At home, please help them to ask their client for any feedback or ideas for their NEA project. This must be the pupils work but any feedback from their client will really support their development. Please encourage pupils to do their homework from their workbooks this will help with their written exam. GCSE bitesize is also a great website to help support learning.</p>	<p>Client Design Specification Orthographic Isometric Systems</p>
<p>History Mrs Lamburn Mr Bentley</p>	<p>Our next OCR GCSE unit is called, 'The Making of America 1789-1900'. Our study will include the changing relationship between the cultures of three groups: the American Indians, the African Americans and the white Americans, during a period of expansion. Pupils will need to describe and explain the events relating to these three cultures and the conflicts between them. They will need to understand; the north/south divide, the divisions over slavery, the causes of the civil war and its aftermath, the Indian wars, the impact of gold, railroads and ranches on the plains and the social, economic and political changes that shaped the land of America and has made it what it is today.</p>	<p>You can support your child by encouraging them to complete their weekly homework, as independently as possible, reading the core text or revision book and watching films and documentaries about the history of America during the period 1789-1900.</p>	<p>Abolitionist Confederates Mormons Reconstruction The Plains</p>
<p>Media Studies Mr Mauremootoo</p>	<p>This term pupils will be focusing on developing their exam skills alongside studying music and online media. They will work at decoding the language of exam-style questions and extended writing suited to a mark scheme. This will be framed around Gratification and Star theories and applying this knowledge to understanding marketing</p>	<p>Your child will need to be familiar with a variety of musicians, films, and websites. Look at the various social media accounts and websites for: Fortnite, James Bond, Taylor Swift, and Bruno Mars. Discuss with your child how these</p>	<p>Star theory Gratification theory Denotation Connotation Marketing</p>

	<p>strategies. The class will also be working on their coursework by applying their knowledge of magazine conventions to create a lifestyle magazine for 13 to 17 year-olds.</p>	<p>people and brands market themselves to various target audiences.</p>	
<p>WJEC Hospitality & Catering option</p> <p>Mrs Goss</p>	<p>This term, during theory lessons we will focus on understanding the importance of nutrition when planning menus where pupils will be able to:</p> <ul style="list-style-type: none"> describe functions of nutrients in the human body compare nutritional needs of specific groups explain characteristics of unsatisfactory nutritional intake explain how cooking methods impact nutritional value <p>Practical lessons will focus on the embedding of the above information and focus on the range of skills and techniques associated with food preparation, cooking and presentation of a range of dishes.</p>	<p>As 'The Great British Bake Off' is on our screens every Tuesday, watch this together, keeping a specific eye on decorative techniques. To take it one step further, you could draw up a design and create a new masterpiece.</p>	<p>Customer needs Peak bone mass Free sugars Energy dense Energy balance</p>
<p>Art, Craft and Design</p> <p>Miss Foster</p>	<p>This term pupils will be bringing their Collections project to a close; they will be finalising their experiments, coming up with their final ideas, and following their plans to create a final piece of artwork. This will all be recorded in their sketchbooks and used to support Component 1 of their GCSE.</p> <p>In Term 2, sometime will be given to pupils to address any gaps in their sketchbook, as well as to organise and present any work to include in their portfolios. Towards the end of Term 2, they will be introduced to a mock exam paper so that they are familiar with the format ready for the beginning of the externally set assignment exam task in January 2023.</p>	<p>It is very important for all work to be produced by the pupil only; support can be given to pupils through encouragement, discussion and questioning. Suggestions and feeding back ideas are allowed, but all work produced including annotations should be solely by the pupil.</p> <p>Parents and carers can support pupils at home by encouraging them to keep their sketchbooks up to date and well presented, as well as working on additional pieces at home if set as homework.</p>	<p>Collections Experiment Develop Refine Annotate</p>