

Tutor Group 10A Subject & Teacher	Subject Overview	How you can help at home	Subject specific key words to practise with your child
Mrs Webb	<p>This term, pupils will start with the four operations and this unit aims to develop the pupil's understanding and use of the four operations. Students will undertake calculations using mental arithmetic involving addition, subtraction, multiplication and division.</p> <p>Later in the term we will be working on geometry the course content aims to develop the pupil's understanding of shapes, coordinates, and directions.</p> <p>The pupils will learn about 2D and 3D shapes and their properties and they will develop an understanding of the size of angles, including right angles. They will also investigate reflective symmetry, nets of solids and use of coordinates.</p> <p>Pupils will complete coursework, practice papers and assessments during their maths lessons, these contribute towards their final qualification.</p>	<p>Please look for opportunities at home to use mental arithmetic and times tables. Look for 2-D and 3-D shapes around you to help students to remember shape names and positional language. Use the online resources:</p> <p>BBC bitesize links: https://www.bbc.co.uk/bitesize/topics/zjx6g8 https://www.bbc.co.uk/bitesize/topics/zb84382</p> <p>Log on to Study ladder for further practise. www.studyladder.co.uk</p> <p>Please continue to support students with their homework. https://login.mymaths.co.uk/login</p>	<p>Half Quarter Greater than Less than Equals Geometry Left Right Face Edge Vertice</p>
Physics Mr Goodchild	<p>This term we will be completing Topic 2 'Electric Circuits' by learning about the national grid and static electricity.</p> <p>We will then move onto Topic 3 'The Particle Model of Matter' where pupils will learn about how the particle model can explain how solids liquids and gases change state and how latent heat plays a role in this process. They will also learn how to measure the density of an object and the factors that affect gas pressure.</p>	<p>Please encourage pupils to complete homework on time. This will be to complete pages of the workbook which relate to the topics covered in lessons. The workbook contains questions for pupils to answer and pupils can write their answers directly into the workbook. The revision guide pages link directly to the workbook pages (they have the same page titles) and have the relevant information needed to support pupils</p>	<p>Density Pressure Condense Evaporate Volume Proton Neutron</p>

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<p style="text-align: center;">Biology</p> <p style="text-align: center;">Miss Postans</p>	<p>In term 4 we will start Topic 4 'Atomic Structure' where pupils will learn about how the model of the atom has changed as new discoveries have been made, why some atoms are radioactive and the properties of radioactive particles that are emitted by these atoms. We will then learn about the uses and dangers of these radioactive particles.</p> <p>During term 3 pupils will be completing topic 2: Organisation This includes the digestive, respiratory and circulatory systems and associated organs. As part of the digestive system students need to revise food tests and how enzymes work. We will then complete work on plant systems and organs.</p> <p>We will then move on to Topic 3 Infection and Response where students will study the different types of pathogens that cause disease, how they spread and how they can be treated. This will include work on antibiotics and vaccines and on how new drugs are developed – very relevant at this point in history! Finally, we will study diseases in plants and their defence mechanisms.</p>	<p>answering the questions in the workbooks. You can also use BBC bitesize to support by going to the GCSE AQA Physics (single science) section where all the topics correlate directly to those we are studying.</p> <p>Please encourage the completion of the homework tasks and help them engage in the Seneca learning online revision package. They can also use the BBC Bite Size KS4 AQA Biology to reinforce all the topics they will have in their exams.</p>	<p>Ionising Nuclear Charge</p> <p>Tissue Enzyme Pathogen Communicable Antibody Antibiotics</p>
<p style="text-align: center;">ICT</p> <p style="text-align: center;">Mr Naylor</p>	<p>Level 1- Ingots IT User Skills</p> <p>Pupils will be working on understanding the need to follow copyright rules when using information of the internet.</p> <p>We will then move toward completing a presentation based on a topic of their own choice where they will be thinking of the intended audience and how the content must be suitable for them. They will then be learning about online safety and how it pertains to using the internet. They will understand how to spot phishing scams, deal with viruses and other threats, and how to generally stay safe online.</p>	<p>Discuss with your child any possible scams that you have encountered either through email, text or phone calls, explain how you were able to spot them and share any of your own knowledge about online threats</p>	<p>Virus Phishing Security Scammer Safety</p>

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PSD Mr Altman	<p>This term, we will be learning about healthy eating. Pupils will explore the various food groups and discover how they can adopt a healthy approach to managing their food choices. In addition to this, pupils will create their very own menu focused on healthy eating. They will also get the chance to design and prepare a nutritious meal.</p> <p>Furthermore, we aim to broaden our understanding of the diverse dietary needs of individuals. We will examine conditions such as lactose intolerance, gluten intolerance, vegetarianism, and veganism.</p>	<p>To support your child's learning, we encourage you to engage in conversations about healthy eating at home. Involve them in meal planning and preparation and encourage them to think critically about the food groups they are consuming. Additionally, discussing the dietary needs of various individuals will expand their understanding and promote inclusivity</p>	Protein Carbohydrates Fats Oils Diabetes
PE & Games Mr Altman & Mr Stinton	<p>During this term we will be focusing on two topics basketball and trampolining.</p> <p>In the trampolining topic pupils learn new skills like tuck jump, straddle, pike, seat drop, half twist. Some pupils will learn advanced skills like, front drop, back drop, swivel hips. Pupils will then implement these skills into a 6 to 10 jump routine.</p> <p>During term 2, pupils will be learning about basketball. They will practice essential skills, like passing, shooting, tackling, ball control, dribbling, and attacking/defensive gameplay. Finally, pupils will learn about the different positions in basketball and know what each player should do in their role.</p>	<p>To support your child's learning, it would be beneficial to discuss how basketball is scored and some of the basic rules within the game.</p> <p>Basketball is a popular sport played all around the world. Understanding the scoring system and rules will help your child appreciate and enjoy the game even more.</p>	Pike Straddle Focus Aesthetically pleasing Body tension Set shot Drive Trajectory.
R&W Mrs Silverthorn	<p>This Spring term, we are moving onto a new unit of work about Rites of Passage within three of the six main world religions; Christianity, Judaism and Islam. We will begin by learning about the birth rites of passage and what ceremonies take place for Judaism and Islam, as well as aspects of a Christian infant baptism ceremony. We will then move on to learn about the importance of Confirmation ceremonies to Christians and the importance of Bar/Bat Mitzvah to Jews with regards to coming of age ceremonies. The final part of the unit will look at end of life ceremonies and traditions for Christianity, Judaism and Islam.</p>	<p>Parents can support pupils at home by discussing various rites of passage and any events that they have been part of.</p>	Baptism Brit Milah Circumcision Aquiqah Party Bar+Bat Mitzvah Confirmation Death

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Option Subject: Fine Art Miss Foster	<p>This term, Year 10 pupils will continue to develop their projects in either 'Crowded' or 'Habitats.' They will explore methods of print making, painting and sculpture in their lessons inspired by their research and individual ideas. Work produced by pupils will contribute to the Portfolio component of their GCSE. Pupils will continue to develop their skills in presenting, annotating and evaluating their work as it progresses, and will continue to build their confidence in following their own ideas in their artwork to a neat conclusion in the form of a final piece later in the year.</p>	<p>Adults can support pupils at home by encouraging the independent completion of art homework as set on Teams, as well as having open discussions with pupils about their artwork in order to extend their artistic vocabulary. Please note that all work must be completed by the pupil, including photography and drawings. Adults can support pupils by providing feedback on their work, and sharing their opinions, but cannot support in any practical activities. Photos of work completed by pupils must not be shared via any social media platforms.</p>	Portfolio Crowded Habitat Project Research Experiment Develop Refine Annotate
Option Subject: ELV Mr Stenning	<p>This term the pupils will complete their final module in the independent living course: Cooking on a budget. They will explore ways to buy food and explore ways of keeping the cost down when shopping and cooking. After this, they will start the gardening course in which the group will learn about what it takes to grow and maintain a garden and help develop the school garden and allotment.</p>	<p>Encourage your child to help in the garden maintain or grow something.</p>	Plants Soil Fertiliser Weed Gardening tools
Option Subject: Hospitality & Catering Mrs Goss	<p>This term, during theory lessons pupils will be learning about the operations of both the front and back of house in the hospitality and catering industry. Through these lessons, pupils will gain a comprehensive understanding of how the industry functions, from customer requirements and expectations to the operational aspects that contribute towards a good level of service.</p> <p>This knowledge will support a written examination which contributes to 40% of the overall qualification grade which will take place in 2025. Homework provided once a week for</p>	<p>Encourage pupils to cook at home as much as possible. They should be beginning to have a good 2-3 dishes which they feel confident with cooking almost independently.</p>	Aeration Back of house Customer service Front of house Kitchen brigade Stock control Workflow

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	<p>pupils to complete, this may entail pre-learning or consolidation of a topic.</p> <p>Practical lessons aim to build on previous learning from the term before and KS3. Some of the main course dishes include making a fresh tomato sauce (blanching, skinning and deseeding), as well as making and cooking fresh pasta and then combining skills to make chicken parmigiana. Desserts include making: meringue kisses, vanilla ice cream, coulis/caramel sauce, meringue sundaes and Eton mess Swiss roll.</p>		
Option Subject: DT 3D Design Miss Attenborough	<p>This term year 10 will be working on the project 'Mechanical Objects'.</p> <p>The pupils will be exploring a range of designers/artists, developing their own observations through drawing and sculpture. Later in the term pupils will be then explore a range of mixed media and experimenting to develop skills.</p> <p>Finally, they will use their journey to develop their own mini sculptures/final piece. They will develop their mounting and presentation skills in their portfolio.</p>	<p>At home you can encourage pupils to work on their portfolio. Tasks will be set which they need to complete and extra work is always encouraged to stretch them and complete their practical work. Please ensure this is independent work and allow pupils to expand and add annotation to their portfolio. Feedback on their work will help inform ideas but this must be their own work.</p>	<p>Mechanical Annotation Exploration Mixed media Experiment Sculpture</p>
Option Subject: Media GCSE (Eduquas) Mr Bentley	<p>Qualification Title and Level: GCSE Media Studies</p> <p>Pupils will be continuing their work for Component 1 (section A and B). As part of section A, pupils will be continuing to apply and develop their knowledge on representation, audiences, and context to film posters and newspapers. They will also be continuing their work on denotations and connotations. As part of section B, we will be listening to the Archers - exploring reasons why this radio program is so popular and learning about the key demographics of the audience. Pupils will also look at the 'Bond Website' and website of the film 'No Time to Die', as well as look at the game Fortnite. Pupils will develop</p>	<p>Familiarise your child with newspapers and their layout by looking at examples together – this could include free local papers.</p> <p>Watching 'The Man with the Golden Gun' and 'No Time to Die' will help pupils understand the films behind the posters. Also take time to explore the 'No Time to Die' website.</p>	<p>Denotation Connotation Strapline Standfirst Gratification Theory</p>

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	<p>knowledge and understanding of key aspects of media industries, including ownership, funding, regulation, production, distribution and technology.</p> <p>As they progress, the pupils will begin more in-depth work on mark schemes and how to construct extended analytical writing in response to exam-style questions.</p>		
Option Subject: History Miss Dyer	<p>This term we will be finishing off the Crime and Punishment unit, looking at Britain since 1900. We will explore the major technological, social and political changes from this period, and we will also be learning about crimes and changes in enforcement. We will then be looking at the Norman invasion from 1065-1087 including the Anglo-Saxon society and the impact of the Norman invasion on the people of Britain. We will look at how William maintained control, and the legacy that was left after the Norman invasion including changes to language, law and church.</p>	<p>It is very important that pupils complete the homework that is set. Pupils have access to resources in the History classroom whilst in school. OCR also provides past exam papers and questions which are available on their website.</p>	<p>Anglo Saxon Domesday Book Invasion Culture Continuity</p>
Option Subject: Sports Leadership Level 1 Mr Altman	<p>The year 10 sports leaders will be focusing on Unit Two of their qualification which is planning, assisting in leading and evaluating physical activity sessions. Firstly, pupils will learn the six different elements to a successful leadership session. Pupils will then look at the considerations they will need to make to their sessions if an unexpected event was to happen. Pupils will also focus on organisation of sessions and discover what is required to lead an organised session. Finally, pupils will learn about the importance of safety, and how this is one of the most important aspects of leading a session.2</p>	<p>Parents can discuss what risks could occur when coaching a session.</p>	<p>Self Belief Self Management Problem Solving Risk Hazard Organisation</p>

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Option Subject: Computer Science Mr Naylor	Qualification Title and Level: OCR GCSE Computer Science In term 3 to 4 we will be learning about Networks. This will include topologies, types of networks, encryption and protocols. We will also be learning about types of network attack and how we can mitigate risk with use of various security methods. We will be continuing our journey programming within Python.	As we use a flip learning technique, students need to ensure that they are taking suitable notes while watching the videos and making sure that they are making note of key words within Teams. Make use of Seneca Learning and the BBC Bitesize website.	Network LAN WAN Topology Switch

