

Spring Term Overview

Tutor Group: 10S

Subject and Teacher	Subject Overview	How you can help at home	Subject specific key words to practise with your child
<p>Maths Mr Wootton</p>	<p>Pupils will work to complete the unit on Calculations looking at the four operations and using them in different contexts. They will then complete a unit on Ratio looking at equality in with numbers; sharing and multiplying; fractions within objects and numbers and calculating with fractions. Pupils will also do ongoing practise of their mental arithmetic skills focusing on times tables and addition and subtraction linked to number bonds.</p>	<p>Bring pupils attention to fractions around them eg finding half of an amount of money, working out a quarter of a measurement in baking.</p> <p>Please support pupils with their homework,</p>	<p>Multiply Divide Total Fraction Half Quarter</p>
<p>Maths Mrs Sipek</p>	<p>Pupils will learn the meaning of powers and roots using their multiplication knowledge and calculator skills. They will then develop fraction and percentage skills, learning different methods of calculation and comparison.</p> <p>Time will be spent revising money skills, linking to decimal notation and real-life worded problem solving.</p> <p>We will then move to time telling skills, reading the time in different forms, working with timetables and problem solving. We will end the term with a study of quadrilaterals and their properties.</p>	<p>Please support pupils with their homework. Additional practise can be done on MathsPad and CorbettMaths</p> <p>Corbettmaths – Videos, worksheets, 5-a-day and much more</p>	<p>Fraction decimal Percentage Cubes and roots Quadrilateral Vertices Edges Angles</p>

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<p>Science Mrs Weston</p>	<p>This term the pupils will be learning about how the body fights disease. This will involve them learning about how microorganisms called pathogens cause disease and how they can be spread. We will then move on to learn about how white blood cells defend our bodies and how they can be supported in this challenge by medicines and vaccinations. As part of this we will learn about the rigorous testing drugs go through in the UK.</p> <p>In the second half of the term, we will be completing our teacher devised assessment and learning about how the body is coordinated. This will involve us learning about the nervous and endocrine systems and looking carefully at how reflex actions help to keep us safe and how hormones control the menstrual cycle and can be used to control fertility.</p>	<p>Please continue to try to encourage pupils to see the importance of science in everyday life by discussing how science is linked to things they may see on the television or in the world around them and this is particularly true in the topics for this term.</p> <p>Pupils can use the following links to access BBC bitesize to help them overlearn the different topics studied in lessons</p> <p>Human immunity and defence</p> <p>The nervous system</p> <p>The endocrine system</p>	<p>Microorganism</p> <p>Pathogen</p> <p>Toxin</p> <p>Vaccination</p> <p>Neuron</p> <p>Reflex action</p> <p>Stimulus</p> <p>Hormone</p> <p>Fertility</p> <p>Menstruation</p>

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Physics Mr Goodchild	<p>This term we will be completing Topic 2 'Electric Circuits' by revising circuits, mains electricity and static electricity before completing an end of topic assessment.</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>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>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 Ionising Nuclear Charge</p>

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<p>Biology Miss Postans</p>	<p>In Term 3 pupils will be finishing Topic 2 'Organisation' and will continue to study Topic 3 'Infection and Response'. Pupils will be learning about how different pathogens cause disease, the different methods our body uses to defend us against these pathogens to stop us becoming unwell. Pupils will also learn about how drugs are developed and the various safeguards that are put in place to ensure they are effective and safe to use. In Term 4 we will then go on to study Topic 4, 'Bioenergetics.' In this topic pupils will learn how plants are adapted to photosynthesis and how respiration releases energy in organisms</p>	<p>By ensuring they complete the homework tasks in their revision workbooks and using the BBC bite size KS4 AQA Biology sections below.</p> <ul style="list-style-type: none"> • Infection and Response (all subtopics) • Bioenergetics (all subtopics) <p>Or the online learning platform Seneca which your child can access through RM Unify.</p>	<p>Pathogen Antibody Vaccine Placebo Clinical trial.</p>
<p>PSD Mrs Sipek</p>	<p>This term pupils will complete a unit on Managing Social Relationships. This will involve understanding and performing a range of communication techniques through role play, communications throughout the day and socialising with others through our Community Link with Tewkesbury Fields Care Home. Pupils will consider both positive and negative exchanges as well as considering formal and informal communications.</p>	<p>Support pupils with their communication skills, giving them opportunities to practice them in a variety of social situations-e.g. amongst family, at the shops, an appointment, etc.</p>	<p>Body language, Vocabulary, Active listening, Confident speaking, Participation, Conversation.</p>

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IT (Teacher)	<p>Pupils will continue with completing their coursework for Word Processing, where they will be completing a newsletter of their choice.</p> <p>Once this has been completed pupils will then complete a unit focussed on Internet Security and the precautions needed when using online tools.</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>
Computer Science Mr Naylor	<p>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.</p> <p>We will be continuing our journey programming within Python.</p>	<p>Encourage your child to research the difference between Wi-Fi and wired connections; that being connected to the internet does not necessarily mean you are using Wi-Fi. Discuss the security risks of using open networks such as free Wi-Fi within a shop or cafe.</p>	<p>Network LAN WAN Topology Switch</p>
Music Mrs Lea	<p>This term we will continuing to work on the Level 1 RSL Music Practitioners course. Pupils will be completing their rehearsal skills assignments before starting their next assignment relating to performance after half term. Pupils will continue to rehearse weekly with their group and on individual pieces on their instrument of choice, working towards a performance in the Spring/Summer.</p>	<p>Please continue to encourage your child to be practicing at home and also in front of a family member if possible so they can gain confidence. Lots of praise and encouragement!</p>	<p>Rehearsal Techniques Repertoire Performance Timing Dynamics Expression</p>

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<p>Land Based Science Mrs Weston</p>	<p>This term, pupils will be completing one of the sector modules from the land based studies specification, 'Caring for and Feeding Animals.' Pupils will expand their knowledge of the five basic animal needs as well as the health and safety aspects of caring for animals. Pupils will also develop their observational skills through basic health checks to monitor the health and wellbeing of animals. The assessment will require the pupils to produce plans to care for and feed animals to meet their needs and care for as well as taking responsibility for carrying out the plans</p> <p>This unit will also provide the opportunity for pupils to develop transferable skills such as planning and self-management.</p>	<p>Parents & carers can support their children by starting to put together some old clothes or an overall that can be used for the practical elements.</p> <p>Parents will also be asked to provide photographs of their children caring for any pets / animals they have at home. It would also be useful if parents would be prepared to provide a witness statement explaining how each child has taken on the feeding and care of animals at home. If pupils do not have a pet at home, it would be helpful if they could support another family member or close friend with a pet, although please do not worry if this is not possible.</p>	<p>Environment Hazards Handling techniques Natural behaviour Personal protective equipment (PPE) Frequency Health check Care plan Risk assessment</p>
<p>Sports Leadership Mr Hunt</p>	<p>This term, pupils will focus on Unit 2, where they will learn how to plan, lead, and evaluate sessions. They will discover the information required before starting the planning process. Pupils will then be exposed to various scenarios that may arise during leading and will learn how to adapt under pressure. They will cover the STEP model and use it to tailor their session to meet the needs of all participants. With this knowledge, pupils will plan a comprehensive session and practise leading it for their peers before ultimately leading a younger age group within the school.</p>	<p>Pupils are able to research resources which include the STEP framework.</p> <p>SEND PE Activities - Youth Sport Trust</p>	<p>Adaptation Disability Effective Planning Flexibility STEP Model</p>

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History Mrs 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.</p> <p>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>	Anglo Saxon Domesday Book Invasion Culture Continuity
Art and Design Mrs Berry & Miss Attenborough	<p><u>Year 10 GCSE Art, Craft and Design.</u></p> <p>Project 1, which is part of their coursework submission, is well underway. This term, pupils will continue to work in their sketchbooks into which they are developing their ideas. However, they will also be working outside of their sketchbooks in either the medium of printmaking, sculpture, 3D design or fashion design. Ideas will be developed into a final piece which will be finished by the Easter holidays.</p>	<p>Please support your child at home to complete homework when set. This will mostly involve ideas/research/website investigation and annotations for their sketchbooks.</p>	<p><u>Assessment Objectives.</u></p> Ao1 - Develop Ao2 - Record Ao3 - Refine A04 - Present

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