



9S Curriculum Overview

Autumn Term 2017

Subject	Area(s) of Study	Suggestions for Parental Support/Involvement at Home	Key words
English Mrs Tremaine	<ul style="list-style-type: none"> • Holes by Louis Sacher followed by A Christmas Project • Analysing a text in detail looking at themes, characters and ideas. • Develop our creative writing skills further, with the focus on planning our writing and developing P.E.E. (Point, Evidence, Explain) paragraphs. • Grammar activities including: a study of different uses of imagery, speech punctuation and improving paragraph construction. 	<ul style="list-style-type: none"> • Look at different types of writing together, for example magazines, the internet, books and newspapers, and discuss the different styles of writing and their effect. • Encourage use of a dictionary for any words she is unsure about. • Have regular discussion about the feelings of characters in TV, films and books that they are reading. 	novel text character plot setting quotation description paragraph story strand fossil predatory P.E.E. Point evidence explanation Link
Maths Miss Middlehurst	Number <ul style="list-style-type: none"> • Negative numbers • Order of operations (BIDMAS) • Place value, ordering and rounding • Estimating and using inverse 	<ul style="list-style-type: none"> • Discuss key words and their meaning. • Practice multiplication tables and number bonds. • Practise working with numbers in real life situations e.g. shopping, looking for the best deal, looking at price per 100g. • Encourage your daughter to pay for items when 	positive negative integer decimal place significant figure inverse highest common factor lowest common multiple



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	<p>functions</p> <ul style="list-style-type: none"> • Factors, multiples and prime numbers • Squares and roots <p>Algebra</p> <ul style="list-style-type: none"> • Write and simplify expressions using algebraic notation • Substitution • Using formulae • Expanding brackets • Factorising expressions 	<p>shopping. Work on counting the money and checking the change.</p> <ul style="list-style-type: none"> • Play board games and games with dice and cards • http://www.mathschamps.co.uk/#home also has games which can be played at home. • http://www.topmarks.co.uk/maths-games/hit-the-button is a great way to practise number bonds etc. • Involve your daughter when cooking, etc. at home; a great way to have fun with Maths. • http://www.topmarks.co.uk • Use BBC bitesize KS3, there are activities and short video clips. • Use MyMaths games and boosters. 	<p>product factor</p> <p>multiple remainder</p> <p>prime number</p> <p>square number</p> <p>square root</p> <p>simplify expression</p> <p>formula</p> <p>substitute</p> <p>expand</p> <p>factorise</p>
<p>Functional Maths</p> <p>Mrs Sabey</p>	<p>We will be studying the following areas of maths and developing the skills in everyday life. There will be work in the classroom and also in the community of Oxted</p> <ul style="list-style-type: none"> • Number – place value and applying this to money and measuring. • Developing money skills adding and subtracting. Working in the school shop and counting money. Using their skills by shopping in Morrisons etc. • Developing time skills and using the skills in everyday 	<ul style="list-style-type: none"> • Talk with your daughter about how Maths and number are important in everyday life. • Practise counting and working with numbers in real life situations eg shopping. • Discuss calendar and coming events and working out when they will happen. Also using time when discussing when things which will happen during the day. • Use money when shopping and buying goods from the shop. Also counting money. • Play board games and games with dice and cards 	<p>digit</p> <p>units</p> <p>tens</p> <p>hundreds</p> <p>thousands</p> <p>negative numbers</p> <p>calendar</p> <p>months of the year</p> <p>days of the week</p> <p>seasons</p> <p>minute</p> <p>second</p> <p>hour</p> <p>decade</p> <p>century</p> <p>currency</p>



	<p>life.</p> <ul style="list-style-type: none"> • Problem solving both paper problems and real life situations eg planning a party etc. 		
<p>Science Mr Evans & Mrs Roebuck</p>	<p>Environment and Variation. In this unit we will be studying how the environment and the genes of organisms bring about variation and change in organisms. We will be looking at how DNA works and how we can use our understanding of the genes of an organism to improve the productivity of farms, and the issues that come from farming for an increasing world population.</p>	<ul style="list-style-type: none"> • Talk to your daughter about her targets and what she has done each week to move towards them. • Find out about who Charles Darwin was and why he is important. • What are the conflicts around Genetic modification? • How can we use plants other than for food? 	<p>genetic DNA continuous discontinuous physical factors normal distribution probability biodiversity evolution chlorophyll/chloroplasts photosynthesis stomata/guard cells epidermis xylem phloem decomposition selective breeding carbon cycle global warming/dimming</p>



<p>Computing Mrs Janaway</p>	<p>Online Safety</p> <ul style="list-style-type: none"> • Privacy settings and passwords • Fake Profiles • Online safety and the law • Health & Safety • Website design • The components of a computer • Spreadsheets, formulae and functions • Programming – Micro:bit • Creating a database • Windows Movie Maker 	<p>Useful Websites</p> <ul style="list-style-type: none"> • Kidsmart • Get Safe Online • CEOP • Thinkuknow • Cyber Mentors <ul style="list-style-type: none"> • Check the privacy settings on your daughter's social networking accounts • Discuss online safety stories in the news • Take an interest in the apps, websites and social networking sites your daughter uses • Talk about different parts of the computer and what they are used for • Micro:bit programs are created using online software and there are lots of tutorials to follow - https://www.microbit.co.uk/create-code • Encourage your daughter to take photos and video on a camera or mobile phone and upload them to the computer to edit. iMovie is a great tool for creating short films, if you have an Apple device. 	<p>identity theft phishing spyware digital footprint cybervetting hotspot hyperlink asset navigation bar motherboard CPU hard drive graphics card network card power supply heat sink disc drive RAM cybercafé input loops variables field record filter</p>
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<p>Art Miss Henderson</p>	<ul style="list-style-type: none"> • Students will be developing their art skills and knowledge, with the emphasis falling on observational drawing skills, media choices, developmental techniques and the students understanding and use of the formal elements. • Students will work with a range of media including metals, plastics, clay and mosaic for their final piece. • The project will make use of the fabulous grounds and buildings at Limpsfield Grange, whilst also starting to develop the students understanding of the requirements at GCSE and an improved understanding of careers in art. <p>Artist Links = Antoni Gaudi, Architecture, Modernism</p> <p>SMSC = The environment around us, recycling ceramics</p>	<ul style="list-style-type: none"> • Research and evaluate examples of artist work that show buildings. • Observational drawings of buildings • Evaluate each finished piece discussing good points and possible areas for improvement • Research Gaudi and produce a simple information booklet about his art and your opinion of it. • Take photos or sketch and range of different building shapes starting with your own house/home. 	<p>line tone colour pattern texture shape artist evaluate media exhibition improvement canvas building observation career drawing photography research architecture Gaudi Modernism ceramics mosaic</p>
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<p>Creativity Miss Humphrey</p>	<ul style="list-style-type: none"> • Who am I? project • Apron designing and making • Hand-made pasta making and shaping • Cake making for thank you tea party • Halloween cooking craft • Christmas cards • Christmas decorations for Christmas fair • Mini Christmas cake for Christmas fair • life skills – shopping, where foods are kept, how to find them • Bunting for tea party • Embellishing techniques 	<ul style="list-style-type: none"> • Encourage students to use a range of materials to explore their creative sides • Visit exhibitions and encourage your daughter to bring their experiences to the creativity lesson • Support your daughter to collect or research resources 	<p>personal identity creativity myself hobbies rubbing in kneading shaping rolling planning designing making embellishing research evaluation Halloween pumpkin pie creating celebrating personalising names of cooking utensils</p>
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<p>Food Technology/ Catering Miss Humphrey</p>	<ul style="list-style-type: none"> • Hygiene and safety in the kitchen. • Healthy eating guide lines • Diet through life • Functions of ingredients • Designing and making • Practical – rice, pasta, muffins, pastry, bread, world foods, potatoes, puddings and desserts • Cooking as a life skill – shopping and meal planning 	<ul style="list-style-type: none"> • Encourage students to cook at home – photo any practical cooking and bring it to school to show me • Explore and use new and different ingredients from shops • Encourage students to try new foods and tastes • Look at recipes in magazines and cookery programmes on television 	<p>hazards risks catering establishments starchy foods guidelines saturated and unsaturated fats digestions obesity nutrients protein carbohydrates vitamins minerals fibre fat nutrients</p>
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