



English

Maths

Science



KS4 Subjects and Topics Summer Term 2018

School Termly Themes: Wisdom and Creativity

Subject area	Topic Area/Learning intentions	How you can help me at home.
<p>English</p> 	<p>Year 10 - Mrs Redrup. Pupils will be studying the novel “Millions” by Frank Cottrell Boyce. The novel will be read as a class in each English lesson. They will analyse why characters behave in a certain way and will identify the themes of the novel. The film will also be studied and will be compared to the book. The humour of the novel and film will also be discussed.</p> <p>Year 10 - Mrs Simpson. Yr10 English. – We will be working on the story ‘Millions’. You can help me at home by reading different texts such as newspapers, articles, non-fiction and fiction books and asking simple questions about the text to help recall what they have read and understood.</p> <p>Year 11 – Mrs Redrup. Pupils will be reading “Holes” by Louis Sachar. They will be reading the novel as a class in each English lesson. They will be comparing the film with the novel. Character studies will be written about the main characters and pupils will discuss their opinions of the text and use evidence from the text to support their views.</p> <p>Year 11 – Miss Berry. During the Summer Term we will be undertaking a study of the book ‘Holes’ and comparing it to the film version of the said story. Pupils will tackle written tasks from a workpack which is specifically designed to go alongside each stage of the story. Pupils will still read 1 to 1 with a member of staff, and spelling will still feature weekly, with a test on a Wednesday morning.</p>	<p>Year 10</p> <p>Write a few sentences about Damien in the novel. Why did he want to help people? Compare his attitude with that of his brother Anthony.</p> <p>Write a summary of the plot. Which parts are funny and which parts are more serious?</p> <p>Write a story about a bank robbery.</p> <p>Write a paragraph about how you would feel at Camp Green Lake. Was it a fun place to be? Was it dangerous? What was the desert landscape like? Who is your favourite character and why?</p> <p>Write a poem or story about being lost in the desert.</p> <p>You can help your child by encouraging them to learn spellings for the weekly test and by listening to them read at home when the chance arises (3 times a week if possible). You can also encourage the use of ‘Lexia’ if there is access at home.</p> 



<p>English Continued</p> 	<p>Year 11 – Mr McCullam During the Summer Term we will be undertaking a study of the book ‘Holes’ and comparing it to the film version of the said story. Pupils will tackle written tasks from a workpack which is specifically designed to go alongside each stage of the story. Pupils will still read 1 to 1 with a member of staff, and spelling will still feature weekly, with a test on a Wednesday morning.</p>	<p>During the Summer Term we will be undertaking a study of the book ‘Holes’ and comparing it to the film version of the said story. Pupils will tackle written tasks from a workpack which is specifically designed to go alongside each stage of the story. Pupils will still read 1 to 1 with a member of staff, and spelling will still feature weekly, with a test on a Wednesday morning.</p>
<p>Maths</p>  <p>Maths Continued</p>  	<p>Year 10 – Mrs Hitcham This term we will be covering a variety of mathematical topics. We will be beginning to understand how to use ratio notation and relate ratios to fractions. We will be looking to gain a basic understanding of probability and will carry on with some shape work, looking at both 2D and 3D shapes. We will end the term looking at different units of measure.</p> <p>Year 10 – Mr Wright. Measure – Time. We will be working on recognising the days of the week and their order before moving on to dates, months, seasons and their order.</p> <p>Some pupils will be able to read the time to the hour or half hour on an analogue clock and draw the hands on a clock to show these times. We will extend ideas to include digital time and basic timetables.</p> <p>Following this we will look at converting between hours and minutes.</p> <p><i>Year 11 are working hard to complete their Entry Level qualification.</i></p>	<p>Help me by helping to learn my times tables, up to 12x12. Help me understand and convert between different units of measure, for example seconds and minutes when measuring time.</p> <p>Please encourage pupils to tell you ‘todays date’ in long form (e.g. Monday 19th March) and short form (e.g. 19/03/18, or similar).</p> <p>Any practice around both analogue and digital time would be great. For example, thinking about a TV programme – “What time does ‘Top Gear’ start?”, “How long do I have to wait before...?”</p>   

Maths Continued



Year 11 - Mrs Hitcham. We will be looking at everyday maths skills. This includes being able to tell the time, use bus timetables and calculate time durations. We will also look at using money and being able to solve problems relating to money, including calculating change.

Year 11 - Mrs Simpson. We will continue to build on the areas from the previous term, but taking a closer focus on Practical maths, using money, giving change. Focussing on telling the time and reading timetables etc. and using a calculator understanding which method of calculation to use.

Year 11 - Mr McCallum. The group will be looking at introducing and improving geometry skills, so pupils will practice using a compass, ruler, protractor and set-square, and will be shown how to work accurately in order to bisect angles, create a regular hexagon and six point star. They will calculate angles inside and outside polygons and draw perfect equilateral triangles. After this, I hope to get pupils to use a protractor to measure and draw angles. There will be a mental test each week which is designed to give pupils the chance to practice and enhance a variety of existing skills.

Help me by helping me recognise different coins. Help me begin to add these coins together. When we go to the shops let me pick out the coins to help pay for our shopping.

Make me aware of different key times of the day, for example - what time I wake up, how long does it take me to get to school in the morning.

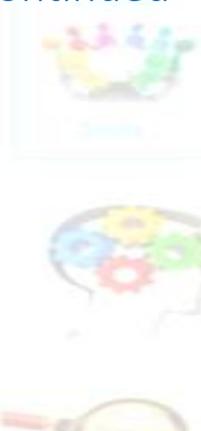
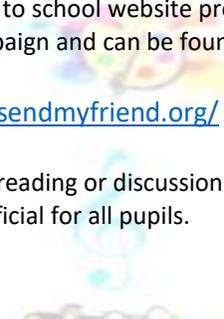
Make me aware of different key times of the day, for example - what time I wake up, how long does it take me to get to school in the morning.

Any support at home to work on written methods will be helpful and using money and working out the change. Play games such as monopoly/game of life to practice counting out money and change, as well as using a vending machine to rehearse using coins etc. Please continue to ask your child the time using both digital methods and analogue, as they will continue to make links with the two methods. Any opportunity to work out a maths problem, i.e. I need to be at the dentist at 3pm it takes 20 minutes to get there, what time will we leave? etc. will be extremely helpful.

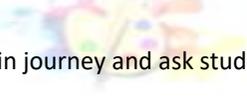
You can help your child by testing their basic skills in addition, subtraction, multiplication and division. They could try to draw shapes and angles if you have a compass and ruler to show what they have learned.



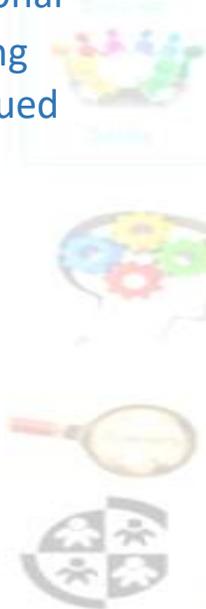
<p>Science</p> 	<p>Year 10. Entry Level : To continue work on 'Energy in the Home. To learn more about power stations and the use of fossil fuels, coal, oil and gas.</p> <p>To find out about nuclear power and how it is used to generate electricity. Pupils will be investigating the use of 'Renewable energy sources', such as solar cells, wind turbines and biofuel. They will be discussing the pros and cons of each.</p> <p>Year 11. Entry Level: To continue work on 'Energy in the Home. To learn more about power stations and the use of fossil fuels, coal, oil and gas.</p> <p>To find out about nuclear power and how it is used to generate electricity. Pupils will be investigating the use of 'Renewable energy sources', such as solar cells, wind turbines and biofuel. They will be discussing the pros and cons of each.</p>	<p>Find/list ways in which they can save energy at home i.e. turn lights off, close windows etc. Observe how many homes in their area use renewable energy sources i.e. solar panels on the roof</p> <p>Find/list ways in which they can save energy at home i.e. turn lights off, close windows etc. Observe how many homes in their area use renewable energy sources i.e. solar panels on the roof</p> <p>For GCSE Biology pupils, there will be additional homework tasks to support revision</p>
<p>Information Communication Technology [ICT]</p>	<p>Year 10</p> <p>We will be developing our coding knowledge using different coding software that will allow us to create games to use on tablets, guide and manoeuvre robots and code programs to complete particular tasks. Later on in the term, we will be looking at different editing and design programs to allow us to prepare for our ICT Functional Skills in year 11.</p>	<p>Year 10</p> <p>To use different computing technology at home and to think about how the technology works. To follow recipes and instructions to complete a desired outcome. Can I design a set of particular instructions that somebody else can understand and follow exactly to achieve the desired outcome?</p> 

<p>[ICT] Continued</p> 	<p>Year 11</p> <p>We will be developing our coding knowledge using different coding software that will allow us to create games to use on tablets, guide and manoeuvre robots and code programs to complete particular tasks. Later on in the term, we will be looking to develop our computing skills to enable us to use the computer efficiently and effectively to prepare us for life beyond school. This will include the use of different Microsoft software to present our work, using emails to share our work and to develop communication skills and to allow us to access the internet to support learning</p>	<p>Year 11</p> <p>To use different computing technology at home and to think about how the technology works. To follow recipes and instructions to complete a desired outcome. Can I design a set of particular instructions that somebody else can understand and follow exactly to achieve the desired outcome? To use Microsoft software at home (if available) to support learning in school. To access emails (if available) to communicate and share effectively with others.</p>
<p>Personal, Social and Health Education [PSHE]</p> 	<p>Year 10 & Year 11</p> <p>This term Year 10 and 11 will focus on Drugs Education. They will look into the classification of drugs and the health risks attached. They will also explore the laws around drug use and possession. This will include tobacco and alcohol.</p> <p>After half term all pupils will take part in the 'Send my friend to school' campaign, which this year looks to make schools, across the globe, a safe haven for children.</p>	<p>Discussing issues raised in lessons will further deepen understanding. During conversation children should be encouraged to use appropriate eye contact, volume, and speak clearly without hesitation.</p> <p>Send my friend to school website provides information about the campaign and can be found at https://www.sendmyfriend.org/</p> <p>Any additional reading or discussion around this theme would be beneficial for all pupils.</p> 

<p>Design Technology [DT]</p> 	<p>Year 10 – Basic Bike Maintenance. Learning about the importance of maintenance and tool skills. Re-visit the names of the parts of a bike.</p> <p>Year 11 – Last Project: Learning about the importance of tool skills and problem solving. Pupils continue to finalise their projects and work on their evaluation of the ‘light project’. Once the entry level is finished this is not assessed and can be individual. Students should think about what they would like to make.</p>	<p>Revisit names of parts of the bike. If you have a bike check it with parents and carers to share your learning.</p> <p>Students should think about what they would like to make as part of their final piece. They will be able to share this with parents / carers...</p>
<p>Food Technology [FT]</p> 	<p>Year 10 This term in year 10 the topic is focused on packed lunches and salads. Perfect for the summer term, pupils will be able to make some packed lunch foods to bring home and explore ways of making different and interesting salads.</p> <p>Year 11 As year 11 pupils move into their final term of food technology we will be preparing for a farewell coffee morning which pupils traditionally hold for staff. Pupils will learn about the different roles in a cafe set up, such as serving, taking orders, and of course the very important washing up. We will work as a team to prepare for and host an event to give the pupils a sense of pride in their own cooking and hosting skills.</p>	<p>Prepare a snack or salad based on the ones prepared at school. Try and practice skills.</p> <p>Encourage discussion around the recipes used in school and maybe cook at home.</p>
<p>Option Subjects</p>	<p>Combined Year 11 and Year 10 classes:</p> <p>Arts Award – Mrs Delf</p> <p>Students in year 10 are studying towards Explore Arts Award and will hopefully move on next year to work towards their Bronze level. Students in year 11 are aiming to complete their Explore Award and are already working towards Bronze Award.</p>	<p>Arts Award – Mrs Delf</p> <p>The awards rely heavily on evidence of work. If you attend any shows, art galleries or concerts please could you notify Mrs. Delf who can advise you of what is needed and retain tickets and leaflets for your child’s portfolio.</p>

<p>Option Subjects</p>    	<p>In both of these awards there are four modules and we are focusing on the work of Walt Disney to carry out various art type activities to complete these awards.</p> <p>Creative Technology – Mr Marland / Mr Charlton</p> <p>The topic that the students will be learning about is space and the technologies that are involved with space. With both Mr Marland and Mr Charlton the pupils will be creating their own space station environment both on the computer and practically in the design and technology room. The use of coding will also be studied to enable pupils to use robots and technologies within their space station.</p> <p>Art – Mrs Chambers. Pupils are developing their portfolio of work based on their chosen themes.</p> <p>They are using a wide variety of art techniques to build up their work from Printing and Drawing to Sculpture.</p> <p>Sports Leaders – Mr Deacon. Pupils will be developing their organisational and team working skills as they help to arrange PE events in school and for other schools.</p>	<p>Creative Technology – Mr Marland / Mr Charlton</p> <p>Any research on space, looking at the Nasa website or European Space Agency to explore the different environments</p> <p>Art – Mrs Chambers</p> <p>Encourage your child to draw as much as possible at home around their chosen theme as they can use this within their development work in their portfolio.</p> <p>Please see Physical Education [below].</p>
<p>Vocational Learning</p>	<p>Year 10 – Vocational Course Mr Craft</p> <p>Planning a journey on public transport. Students will be looking at how to travel on a bus or train. They will looking at time tables and thinking about where to get on and off of the transport. Aspects of travelling safely will be considered. In horticulture students will be planting and maintaining the gardens. Students will have particular areas that they will take responsibility for and how to manage the crop throughout the season. Students will also be taking part in Ashley shiners. They will work as a team, check the work of others and deal with money to experience the business and enterprise.</p>	 <p>Take a bus or train journey and ask students to take part in the planning.</p> <p>Allow students to use money and become familiar with change in a shop.</p> <p>Clean a car at home.</p> <p>Plant some flower seed in May and nurture them</p> 

Vocational Learning Continued



Year 10 Vocational – Mrs George. In vocational Food Tech sessions pupils will be building on the work in their weekly lessons by attempting some longer and more involved recipes. These will include such items as bread rolls, home-made burgers and cheesecake. Pupils will also be learning about food hygiene and food safety. Areas covered include correct storage of different foods, cooking and storage temperatures and types of food hazard.

Year 10 Vocational - Mr McCallum / Mrs Penstone

Mr Mcallum In Flex/Flash both Y10 & Y11 pupils will be growing summer bedding plants and making hanging baskets ready for the Plant Sale. We will also be growing salad vegetables and runner beans, There will also be paperwork to complete towards City and Guilds qualifications.

To help at home, parents and carers could encourage pupils to grow plants in the garden or do some weeding to keep gardens in good order.

Year 11 – Vocational Course Mr Craft

In horticulture students will be planting and maintaining the gardens. Students will have particular areas that they will take responsibility for and how to manage the crop throughout the season. This will include weeding and treating the plants for pests. Students will also be taking part in Ashley shiners. They will work as a team, check the work of others and deal with money to experience the business and enterprise.

Year 11 – Vocational Course –Mr McCallum / Mrs Penstone

The Flash option involves pupils going to Oulton Marshes where they will be undertaking tasks such as cutting the meadow, harvesting willow canes, weeding and general grounds maintenance. This will involve learning and improving team working skills. The willow harvested will be woven into baskets which will be filled with bedding plants.

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Physical Education

Combined Year 10 and Year 11 classes



Pupils have the choice from a range of options to help promote healthy lifestyle choices. This term the options are: ultimate Frisbee, tri golf, cycling, walking, rounders, cricket, swimming and water polo. Mr Deacon will be selecting some pupils for the school athletics team for the annual event at the UEA.

Play striking and fielding games (rounders, cricket etc.) at home, in the park or on the beach. Complete simple athletics activities that incorporate jumping, sprinting, running or throwing. Join a community sports club during the summer holidays or take part in the Sports on the Beach activities run by Sentinel (Claremont Pier).



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