



English



MAHS

CHALLENGE



## KS4 Subjects and Topics Autumn Term 2018

*School Termly Themes: Hope and Friendship*

Subject area	Topic Area/Learning intentions	How you can help me at home.
<p>English</p> 	<p><b><i>Mrs Redrup – Overview Y10 and Y11 for Autumn Term</i></b></p> <p>Pupils will write an account entitled “The Best Day of my Holiday” which is an assessed writing task.</p> <p><u>Year 10:</u> Pupils will research the First World War and then read a variety of First World War poetry; learning about simile, metaphor and alliteration. They will focus on the poetry of Wilfred Owen. Diaries, letters and poems, written from the perspective of soldiers, will be produced by pupils over the term.</p> <p><u>Year 11:</u> Pupils will begin to prepare for their OCR Entry Level writing component. A recount will be produced and a letter applying for a job will be written. Pupils will also prepare to take part in a role play situation where they make a pretend phone call, asking someone to look after their cat while they go on holiday.</p>	<p>Read three times a week and learn a list of spellings for a weekly spelling test.</p> <p>Find out ten facts about the First World War. Do any members of your family know of anyone who fought in the war? Research information online or from Library books about the poet Wilfred Owen. What were his views of the war? How did his poems differ from other poets of the time? Imagine you were a soldier on the front line, write a letter home sharing your experiences.</p> <p>Learn how to set out a formal letter. Where are the addresses placed? Draft a letter of complaint where you write about a faulty iPad and request a refund. Practise how you would make a telephone conversation, politely asking a friend to help you with something.</p> 



Maths



**Year 10 – Entry Level – Mrs Hitcham and Mrs Simpson:**

Year 10 pupils will all begin working towards their AQA Entry Level maths qualification. Pupils will complete two components, the first being about properties of number. This will focus on place value and understanding our number system. Pupils will learn to compare and order numbers. The second component of pupils Entry Level qualification is about the four operations. Pupils will be practising and developing their skills when adding, subtracting, multiplying and dividing.

**Year 11 – Entry Level – Mr Wright, Mrs Hitcham and Mr McCallum:**

Pupils will continue to build on the work in Year 10 and prepare for their final AQA Entry Level components. In this term pupils will be learning about geometry. This will include recognising 2D shapes and describing their properties. Pupils will move on to 3D solids including cuboids, pyramids, spheres and cones.

They will move on to more complicated 2D polygons and identify a right-angled triangle from a set of triangles and explore associated properties of solids.

Pupils will move on to explore simple data terms and statistics including representing information and drawing conclusions from graphs and charts.

Count objects that are around us in everyday life – for example, when shopping, ask, ‘How many oranges are in this bag?’  
Practice my 2x, 5x, and 10x tables.  
Practice simple addition and subtraction calculations around the home – for example, when setting the table for tea, ask, ‘I’ve got two knives, how many more do I need?’






Look for and identify squares, rectangles, triangles, circles in everyday life – for example shapes around the home (what shape is the door?).

If travelling try to identify the direction (e.g. Easterly direction). May be use SAT NAV or smart phone to look at the compass.





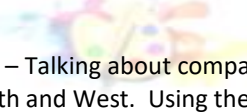

Look for common angles in everyday life (for example the right angle).

Look at how information is presented in everyday life, including on the news.

<p>Science</p> 	<p><b>Year 10 and 11 – KS4 Mrs Burton</b></p> <p>Pupils in KS4 will begin the year working towards gaining an Entry Level qualification in science. Their first component is based on the environment, evolution and inheritance. Pupils will learn about photosynthesis; what is needed for this process to occur in plants. Pupils will also carry out an investigation on the rate of photosynthesis in pond weed.</p> <p>Further on in the term, students will research how animals and plants may be adapted for survival in the conditions where they normally live. Pupils will also discover how animal and plants have evolved our time and complete a study on Charles Darwin. Finally, there will be a focus on inheritance. Pupils will learn about sexual reproduction and how this results in variation within a species.</p>	<p>Pupils can look at the plants and living things around them. Discuss how plants make food and what the best conditions are for their survival. Pupils can look after plants at home, ensuring they are watered regularly.</p> <p><a href="https://www.bbc.com/education/guides/zpwmxbn/revison/1">https://www.bbc.com/education/guides/zpwmxbn/revison/1</a></p> <p>If the internet is available at home, pupils could find about the work carried out by Charles Darwin and his discoveries on natural selection.</p>
<p>Information Communication Technology [ICT]</p>	<p><b>Year 10 &amp; 11</b></p> <p>This year the pupils will be working towards gaining their Functional Skills Entry Level qualification.</p> <p>Autumn: This term will see the pupils being able to use different forms of electronic communication appropriately and effectively with the main method being emails.</p> <p>Pupils will be using the internet to progress their skills and different software to provide and organise information. They will also be looking at improving their general use of skills on the computer to achieve the skill standards set for the qualification</p>	<p>Further discussions around these topic areas at home help to deepen understanding.</p> 
<p>Personal, Social and Health</p>	<p><b>Year 10 &amp; Year 11 – Miss Berry</b></p> <p>Year 10 will explore the topics ‘Personal action planning’ and ‘Personal Safety’. During this term they will look at their strengths and weaknesses and begin to make simple targets for themselves. They will start to take</p>	<p>Further discussions around these topic areas at home help to deepen understanding.</p> 

<p>Education [PSHE]</p>  	<p>responsibility for identifying dangers and assessing risks. They will also learn about keeping safe when they are online or traveling independently.</p> <p>Year 11 will look at the topics 'Personal Finance' and 'Healthy Lifestyles'. They will be exploring the different ways of receiving money and how this is best managed. They will also be starting to understand the value of everyday items and saving. They will also look into how to best lead a healthy lifestyle and start to understand that not all the choices we choose to make are healthy.</p>	
<p>Design Technology [DT]</p>  	<p><b>Mr Marland – AQA Qualification</b></p> <p>Year 10 – Are working towards an AQA Unit Award whilst developing their skills with tools they will be working in the area of maintenance including bike maintenance.</p> <p>Year 11 – Are working towards AQA Unit Awards and will make the lamp they designed in Yr10.</p>	<p>Take a look at the many YouTube videos on bike maintenance</p> <p>Try drawing your lamp in the place it will go. Use colour.</p>
<p>Food Technology [FT]</p>	<p>Year 10</p> <p>Year 10 will begin to follow the content from the BTEC home cooking skills course. This will involve topics on breakfast and soups in the autumn term. Pupils will cook a variety of dishes and work with increasing independence on tasks. They will reflect upon their success by completing paperwork to look at what went well and what they could improve or change next time. Pupils will also begin to make more decisions on cooking methods and ways of presenting their completed dishes, and will create a photographic evidence base of their achievements.</p>	<p>At home, it would be beneficial for pupils to get involved in some cooking tasks. Pupils who help at home will feel increasingly confident to tackle different independent tasks in lessons due to that extra experience.</p> 

<p>Food Technology [FT] Continued</p>	<p>Year 11 Year 11 will begin to try their hand at cooking some main meals this term. We will look at the essential elements that make up a balanced meal and try to recreate some popular home cooked meals such as curry, chili and Bolognese. Pupils will also look at the cost of food and begin to consider cost-effectiveness when planning meals.</p>	<p>At home, it would be beneficial for pupils to get involved in some cooking tasks. Pupils who help at home will feel increasingly confident to tackle different independent tasks in lessons due to that extra experience.</p>
<p>Option Subjects</p>	<p><b>Arts Award – Mrs Delf</b></p> <p><b>We will establish the interests of the group as we begin to explore a wide range of art forms. For example,</b></p> <ul style="list-style-type: none"> <li>• Drama- Writing our own simple script and performing it in some way.</li> <li>• Art Activities- Knitting, painting, clay work, printing and more.</li> <li>• Research of a favourite person involved in art of some form that has inspired your work.</li> <li>• Being part of an Audience- we will visit The Sainsbury Art Centre in Norwich and hopefully watch shows performed in school.</li> </ul> <p><b>Creative Technology – Mr Marland / Mr Charlton</b></p> <p>Pupils will begin to explore how virtual software (for example Minecraft for education, google sketch up) can provide insight into real world applications (for example modelling). Pupils will get the opportunity to explore different scenarios that interest them whilst enhancing their skills.</p> <p>The topic that the students will be learning about is flight and the technologies that are involved with flight. With both Mr Marland and Mr Charlton the pupils will be creating their own airport environment and planes; both on the computer and practically in the design and technology room. Flight simulation and the use of coding will also be studied to enable pupils to use robots and technologies within their airport.</p>	<p>Arts Award – Mrs Delf</p> <p>At home talk with your child about what they are doing on a Thursday afternoon. If you visit a show or gallery please keep the tickets and send in for the portfolios we keep on the childrens work as it is evidence that helps the children reach the award. If you would like information on our art work please ask.</p> <p>Creative Technology – Mr Marland / Mr Charlton</p> <p>Any research on flight, look at video clip - <a href="https://www.bbc.com/education/clips/zdm6yrd">https://www.bbc.com/education/clips/zdm6yrd</a></p>

<p><b>Option Subjects Continued</b></p>   	<p><b>Art – Mrs Chambers.</b></p> <p>Pupils will be creating a portfolio of work based on a theme they have chosen themselves. The work will include: drawings, paintings, pattern making, clay modelling, 3D sculpture, chalk and charcoal drawings.</p> <p><b>Sports Leaders – Mr Deacon.</b></p> <p>Pupils will begin the first units of the leadership qualification focusing on establishing skills, planning and assisting in delivering a sports activity</p> <p><b>Professional Valeting and Detailing – Mr Godbold</b></p> <p>Pupils will begin with basic protective equipment and learn about which to use for a range of vehicle conditions.</p>	<p>Art – Mrs Chambers</p> <p>How you can help: Ask your child about the theme they have chosen and encourage them to draw at home around that theme. They could also research artists that have created work with a similar theme and try to copy the style of work. Any work completed at home can be bought into school and used as preparation work within their portfolio.</p>
<p><b>Vocational Learning</b></p> 	<p><b>Vocational Overview – Mr Milton, Mr McCallum, Mrs Penstone</b></p> <p><b>Year 10</b></p> <p>Orienteering</p> <p>Students will be learning how to use a map. They will look at the key and recognise; paths, buildings, open grass areas, water and other key features. Students will use this information to orientate themselves in nearby parks. Once they have become familiar with the venue students are supported to navigate around the park finding the check points in order.</p>	<p>To help at home – Talking about compass directions; North, East, South and West. Using the sun as a reference point. Planning a walk or ride remembering key physical features to remind ourselves (orientate) of where we have been and check where we are going. This could be supported by planning a route using technology and responding to the instructions (this is now part of the driving test requirements).</p>  

Vocational Learning Continued



Construction

Pupils will recognise and use a range of hand tools in a construction environment. This will include building a section of wall

Horticulture

Pupils will learn to recognise different parts of a plant (supporting AQA Science) and how to insert plant material.

There will be elements of working safely in the work environment.

Food Technology

Pupils will extend ideas and skills from their core lesson linking a range of areas covering food safety and food hygiene information. They will explore safe temperatures, correct storage and how to avoid cross contamination. Alongside this pupils will be able to create some more involved dishes such as bread.

**Year 11**

Pupils will be split into three groups and take part in a range of learning opportunities.

Employability – Prepare and attend an interview

Horticulture – Harvest a crop and control weeds in a planted area

Enterprise - Wax and Polish a car, learning about quality control and invoicing.

At home, pupils could explore their own kitchens and consider how foods are stored safely. They could look at date marks on foods and talk to adults in the home about how food safety and hygiene principals are followed.



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**Physical Education**

**Combined Year 10 and Year 11 classes – Mr Deacon 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: football, tag rugby, basketball, cycling, walking and orienteering, VX, swimming and water polo. Mr Deacon will be selecting some pupils to represent the school at the NCCSF Grand Prix Football League. Pupils will also have the opportunity to attend lunchtime football and basketball clubs.

Play tag rugby or football at home, in the park (dribbling, shooting or throwing and catching). Join a community sports club to enhance skills further (Lowestoft and Yarmouth Rugby FC or Waveney FC). Encourage pupils to go swimming at their local swimming pool. Make healthy lifestyle choices at meal times.



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