



English

Maths

Science



## KS4 Subjects and Topics Spring Term 2018

*School Termly Themes: Respect and Forgiveness*

Subject area	Topic Area/Learning intentions	How you can help me at home.
<p>English</p>  	<p>Year 10 - A study of the life and times of Shakespeare. Mrs Simpson's group will then go on to study "Midsummer's Night Dream" and Mrs Redrups's group will study "Macbeth".</p> <p>Year 10- Mrs Simpson Mrs Simpson's group will be working on William Shakespeare's A Midsummer Night's Dream. We will also be using role play as well as writing about some of Shakespeare's life.</p> <p>Year 11 – Pupils are preparing for their OCR Entry Reading Paper and will read and answer comprehension questions from a variety of past papers.</p> <p>Both year groups will commence with a writing assessed task – "The Whale Story".</p>	<p>If you can, read three times a week with children and help pupils to practise their weekly spellings.</p> <p>Research facts about Shakespeare and put them in your own words.</p> <p>As above, reading different materials including newspapers. Lexia access at home will support with rhyming and literacy games on Topmarks.co.uk.</p>
<p>Maths</p>	<p>Year 10 – Mrs Hitcham Collecting and representing data: Pupils will be interpreting and constructing tables, charts and diagrams. Percentages: Pupils will be learning how to calculate percentages and working with percentages greater than 100%. Year 10 – Mr Wright Fractions: Recognise and use simple fractions like half (1/2), quarter (1/4), third (1/3), fifth (1/5) and tenth (1/10) to find amounts</p>	<p>Any opportunities to talk about fractions of amounts e.g. "half a pizza", "a quarter of the sweets".</p> <p>Practice money skills by going to the shops, counting change and looking at the checkouts to see how money is displayed.</p>



### Maths Continued



**Money:**  
Recognise coins and notes up to £20. Be able to give change for simple amounts and read a calculator display.

Year 11 are working hard to complete their Entry Level qualification.

Mrs Hitcham – once Entry Level is complete, we will be learning more about money.

Mrs Simpson – Mrs Simpson – Pupils are working towards the Entry Level exam, so we are encouraging pupils to work as independently as possible across all areas of maths, using a whiteboard/rough working paper to draw tally's etc. to support visual learning methods in maths.

Mr McCallum – Pupils are undertaking a range of tasks aimed towards completing Entry Level exams. The main theme this half term is 'Shape and Space,' and will cover co-ordinates, rotation of shapes in the 4 quadrants, translating shapes using vectors, and similar tasks. We will recap area of circles and possibly volume of 3D shapes

Look at and discuss tables, charts and diagrams in context with your child. These are often seen in the newspapers.

Look at percentages when out shopping. A good example is; 'this item has 20% off, so how much does it cost now?'

These cover a broad spectrum of 'everyday maths', including topics such as money, time, and counting, drawing graphs.

Practice putting coins in order of value, add two coins together by counting on.

Please support me at home, by revisiting areas I need help with, for example time, money that can be shared at home in practical situations. What time is it now? How much change have I got?

Any help you could give to help your child with their times tables would be helpful.

### Science

Year 10 – Are working through component 3 of their Entry Level Science course, on 'Elements, mixtures and Compounds. They are learning that all matter is made of atoms and discovering how these atoms are arranged in solids, liquids and gases.  
They will also be using a variety of separation techniques to separate a range of different mixtures.

Year 11 – Pupils are preparing for their AQA Entry Level written paper and practical assessed piece of work. They will be planning, investigating and analysing data on the melting points of different substances.

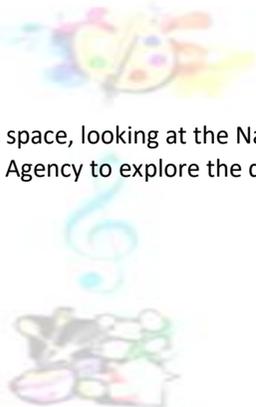
Support children with any homework sent home.

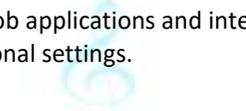
Enable children to research some of the more common elements found, such as; gold, oxygen, helium, aluminium.

Discuss how the separation methods of sieving, filtering, evaporating are used in everyday life.



<p>Information Communication Technology [ICT]</p>	<p>Both year groups are completing their ICT Entry Level.</p> <p>They will be looking at the use of spreadsheets in working environments and how to use different functions in the program. They will also look at databases to see how different data is managed and found easily amongst a large database.</p>	<p>Discuss how computers are used in working environments to make the application of maths much quicker. E.g. look at shopping receipts etc.,</p> <p>Research a topic of interest to see if information has been inserted into a database and explore how to find information quickly using the computer.</p>
<p>Personal, Social and Health Education [PSHE]</p>	<p>Both year groups are looking at 'Sex and Relationships' this term.</p> <p>Year 10 will focus on the range of relationships they form and the appropriate boundaries. They will learn about peer pressure and the importance of saying 'no' in situations they feel uncomfortable. They will look at the main stages of reproduction and birth.</p> <p>Year 11 will look at the changing relationship between a parent and child and with friends/partners. They will explore the responsibilities attached to becoming a parent. After half term they will explore sexual health and contraception, including different places they can go to for help and advice.</p>	<p>Further discussions around these topic areas at home help to deepen understanding.</p>
<p>Design Technology [DT]</p>	<p>Year 10 – Are working towards an AQA Unit Award whilst developing their skills in 2D Design drawing and manipulating images for the Laser Cutter. They are making Fidget Spinners this term. How can you decide how big to make your fidget spinner?</p> <p>Year 11 – Are working towards an OCR Entry level qualification by designing and making a low voltage lamp.</p>	<p>Take a look at BBC Bitesize ks3 <a href="https://www.bbc.co.uk/education/clips/zfdyqk7">https://www.bbc.co.uk/education/clips/zfdyqk7</a></p>

<p>Food Technology [FT]</p> 	<p><u>Year 10</u> This term we are looking at pasta and rice dishes as part of the BTEC syllabus. We will compare different types of pasta and rice and make our own hot and cold recipes using these ingredients.</p> <p><u>Year 11</u> Some pupils will be taking their practical BTEC assessment this term, which involves cooking a meal independently. Independence is the key theme for Year 11 pupils as we test out a range of simple recipes designed to be achieved with minimal adult support and that can be used again in the future</p>	<p>As well as the particular topics mentioned to the left, we are always working on our practical skills in the Food Technology room. Get your child involved in the kitchen at home- whether it's using a tin opener, peeling a carrot or washing up, all the skills we work on are great skills for life and the more practice the better!</p>
<p>Options</p> 	<p>Combined Year 11 and Year 10 classes: 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. 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</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. Thank you in advance.</p> <p>Any research on space, looking at the Nasa website or European Space Agency to explore the different environments</p> 

   	<p>Year 10 pupils have chosen a theme for their body of art work of either Sport or Fashion. Pupils research artists who have used a similar theme in their work and then develop work inspired by this theme, creating a variety of drawings, paintings, collage, prints and sculpture.</p> <p>Year 11 pupils have chosen a theme for their portfolio of art work for either Entry level: Coast, Space, Nature GCSE: Horses</p> <p>Pupils research artists who have used a similar starting point in their work and then develop work inspired by this theme, creating a variety of drawings, paintings, collage, prints and 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>Research and preparation for portfolio completion, directly linked to chosen theme.</p> <p>Research and preparation for portfolio completion, directly linked to chosen theme.</p> <p>Please see Physical Education [below].</p>
<p>Vocational</p> 	<p>Year 10 – Vocational Course Mr Craft</p> <p>As part of the accredited city and guilds programme students are working towards entry level 2 and 3. Students will be completing half termly units in; workshop safety, using construction hand tools, building a straight section of wall, working as part of a team, recognising parts of plants and inserting plant material.</p> <p>Year 11 – Vocational Course Mr Craft</p> <p>As part of the accredited city and guilds programme students are working towards entry level 2 and 3. Students will be completing half termly units in; controlling weeds in a planted area, harvesting a crop, preparing for and attending an interview, washing the outside of a car or van, identifying hazards in a familiar setting, recognising and using painting tools, applying for a job and running a horticulture mini enterprise.</p>	<p>Discussing activities with the students and providing opportunities to carry out practical activities at home. Encourage things like planting runner beans, tomato plants etc.</p>  <p>Supporting for job applications and interviews. To include post 16 educational settings.</p>  



English

Maths

Science



## 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: Street Dance, Cycling, Walking, Badminton, Table Cricket, Boccia, Swimming and Water Polo

Continuation of activities:

- Weekend family walks or cycle rides.
- Access your local swimming pool.
- Join Lowestoft Boccia Club (Water Lane Leisure Centre).



THE ASHLEY SCHOOL  
ACADEMY TRUST

