

Welcome to the Sixth Form - 2020

Introductory work and guidance

It may seem a long way off but, we are really looking forward to welcoming you into the Sixth Form in September.

Experience and research evidence shows us that the most successful A-level students are those who have done some preparation before they enroll in September. Therefore, we have asked teachers to direct you to some brief introductory activities. We would like you to spend just a couple of hours on each of your chosen A-level subjects. In doing this we feel that you will be more confident and ready when you begin your courses in September. We hope that these activities will capture and further your interest in the subjects that you have chosen.

<http://www.theguardian.com/education/2013/aug/22/gcse-students-prepare-for-a-levels> - A really useful article on preparing to be a Sixth Form student

<http://www.thestudentroom.co.uk/content.php?r=16143-starting-sixth-form> - The views of students on getting ready for Sixth Form

<https://www.whatuni.com/advice/blog/year-12-life-hacks/52960/> - Some advice from university students who have been through A-levels

<https://www.oxford-royale.co.uk/articles/top-advice-sixth-formers.html> - Some good tips for those crucial first few weeks as a Sixth Form student

<i>Subject</i>	<i>Activities</i>	<i>Guidance</i>	<i>Resources and Outcome</i>
Applied Science	<p>Biology: Research the complete inner structure of eukaryotic and prokaryotic cells. Make notes on all the organelles and their function.</p> <p>Chemistry: Research “the mole” as a quantity in Chemistry. You need to have an understanding of what 1 mole is equal to and how it is used in chemical equations.</p> <p>Physics: Research Newton’s 1st, 2nd and 3rd Laws of motion. Write them out and find examples of how</p>	<p>http://www.biologymad.com/cells/ultrastructure.htm</p> <p>Read through these notes and try the exercises if you feel confident. https://alevelchemistry.co.uk/notes/mole-and-equations/</p> <p>http://teachertech.rice.edu/Participants/louviere/Newton/</p>	

	they can be investigated.	Careers: Research a career pathway of your choice. Find out what the job is, what skills are needed and which aspects of this course will be most useful to you in proceeding along that pathway.	
Art	<ul style="list-style-type: none"> • Try to visit a contemporary art exhibition. This might be in London or more locally for example Pallant House in Chichester. • Open a Pinterest account if you do not already have one at https://uk.pinterest.com/ • While you are out and about this summer, take photos of interesting natural and manmade structures / environments. 	<ul style="list-style-type: none"> • Suggested London Galleries - The Hayward, Tate Modern, Saatchi, Portrait Gallery, Whitechapel Gallery, Royal Academy, or any others of your choice. • The theme of your first coursework unit will explore ideas around 'inside, outside , inbetween. Open a Pinterest board and start pinning images of artists work that you like that could relate to this theme. 	<ul style="list-style-type: none"> • Where you are allowed, take photos of pieces of work that you like. Note down the artist's name and what you find interesting about the work. Print this information out and bring to your first art lesson. • Pinterest board - with images pinned appropriate to the first coursework topic. • Own photos of interesting Natural / Manmade structures / environments
Biology	<p>Research the term endosymbiosis and be able to explain its main principle.</p> <p>Write a definition for the keywords prokaryote and eukaryote. Draw a diagram of a plant cell, an animal cell and a bacterial cell. For each organelle you have labeled, write out its function.</p>	<p>Why is this just a theory and not a fact? Who proposed it and why was this historical?</p> <p>Ensure these are <i>A level standard</i> cells you are drawing as there are many more organelles than you learned about at GCSE.</p>	<p>Endosymbiosis - https://www.youtube.com/watch?v=immvb9j2ghI</p> <p>Follow the link and use the section marked Cell ultrastructure. http://www.biologymad.com/master.html? http://www.biologymad.com/asbiology.htm (click on Microscopy, cells, diffusion and membranes)</p> <p>This is also a useful A level site:</p>

			http://www.s-cool.co.uk/a-level/biology/cells-and-organelles
Business Studies	<p>A Week in Pictures. Pick a week and follow the news for that week. Select 7 pictures, one for each day, to represent a business news story and write a commentary / explanation of what has happened and why.</p> <p>Present the stories in a manner of your choosing (PowerPoint / poster) and be prepared to discuss your findings at the start of term.</p>	<p>For each story, explain:</p> <ul style="list-style-type: none"> • Who (is involved and has been affected?) • What (has actually happened?) • When (did this happen?) • Where (did this happen?) • Why (did this happen?) 	<p>The following might be useful: http://www.theguardian.com/uk/business http://www.independent.co.uk/news/business/ http://www.thetimes.co.uk/tto/business/ http://www.bbc.co.uk/news/business</p>
Ceramics	<ul style="list-style-type: none"> • Try to visit a contemporary art exhibition. This might be in London or more locally for example Pallant House in Chichester. • Open a Pinterest account if you do not already have one at https://uk.pinterest.com/ • While you are out and about this summer, take photos of interesting natural and manmade structures / environments. 	<ul style="list-style-type: none"> • Suggested London Galleries - The Hayward, Tate Modern, Saatchi, Portrait Gallery, Whitechapel Gallery, Royal Academy, or any others of your choice. • Open a Pinterest board and start pinning images of ceramicists work that you like. 	<ul style="list-style-type: none"> • Where you are allowed, take photos of pieces of work that you like. Note down the artist's name and what you find interesting about the work. Print this information out and bring to your first ceramics lesson. • Pinterest board - with images pinned of artists and ceramicists. • Own photos of interesting Natural / Manmade structures / environments.
Chemistry	<p>RESEARCH Sign up to Education in Chemistry at the Royal Society for Chemistry chemistry for Chemical articles and</p>	<p>PURCHASE Head Start to A-level Chemistry (CGP A-Level Chemistry)</p>	<p>Sign up and log into Royal Society of Chemistry Bridging the gap Use this link to get to the RSC website. They have developed quizzes to</p>

	<p>events. It is free to register.</p> <p>Chemistry is an ever evolving subject. The articles contain many different aspects of chemistry so choose an article that is of interest to you.</p> <p>Click on the Science tab you will see articles such as Temperature controlling textiles. Choose an interesting article and read it.</p>	<p>https://www.amazon.co.uk/Head-Start-level-Chemistry-Level/dp/1782942807/ref=sr_1_1?dchild=1&keywords=head+start+to+a+level+Chemistry&qid=1588232480&sr=8-1</p>	<p>check your understanding of some of the key ideas in GCSE Chemistry. The quizzes are short so you can quickly get an idea of whether or not you have understood what you need to know from the GCSE course.</p> <p>If you have discovered a gap in your knowledge from the diagnostic quizzes, use the Chemsheets available on the shared drive, science students, KS4, Chemistry, Chemsheets downloaded to work on building up your knowledge.</p> <p>Chemistry Chemsheets They are arranged by subject topics which you are familiar with from GCSE. Make sure you practice calculations in Chemistry, this is often a weak area for students, C3, Quantitative calculations - MOLES!</p> <p>Seneca are developing A level preparation courses for year 11 to do before starting A levels. Chemistry is not available yet but I have set the class up in Seneca in readiness! Year 12 Chemistry starters 2020</p>
Computer Science	<p>Preparation - Understanding of Computational Thinking</p> <p>Professor Jeanette Wing has been a strong promoter of computational</p>	<p>Professor Jeanette Wing background Video https://www.youtube.com/watch?v=-CU0hgPmWdY</p>	<p>Understanding of what Computational thinking is and be able to apply this to real life situations and problems.</p> <p>Get started with the basics of Python if</p>

	<p>thinking, and there are many videos of her giving talks, she also wrote a paper (3 pages long) which describes her view of computational thinking, and this is also useful background reading.</p> <p>Look up The Barometer Story</p> <p>Visit the London Science Museum especially Charles Babbage exhibition and Information Technology through the ages.</p> <p>Practice your programming with Python</p>	<p>Jeanette Wing paper https://www.cs.cmu.edu/~15110-s13/Wing06-ct.pdf</p> <p>Look up The Barometer Story http://www.mrao.cam.ac.uk/~steve/astrophysics/webpages/barometer_story.htm</p> <p>Practice Python https://www.python.org/ - download version 3 - use the beginners guide available on the same website.</p>	<p>you are new to it, with the software ready at home to practice use the following website https://www.codecademy.com/learn/learn-python-3</p> <p>This is an excellent video (11 hours long) introducing Python and great to recap your skills https://www.youtube.com/watch?v=zh9NgGf3cxU</p> <p>If you have used Python for GCSE then still refresh your memory using the above video</p>
<p>Design and Technology</p>	<p>Watch the 'How it's Made' series on TV -concentrate on products which relate to 'Product Design'. For example: electronic products, vehicles, transportation, furniture and consumer products not related to food and drink.</p> <p>Look at the work of the designer Dieter Rams - what are his 10 principles of good design?</p> <p>Familiarise yourself with modern prototyping methods and materials by using the links in the resources column.</p>	<p>Draw clear distinction between the rapid prototyping methods on offer, learn how manufacturing is organised in some industries. Watch for quality control points.</p>	<p>https://www.youtube.com/watch?v=jU-imkEarvU - Designing a chair, pushing the limits of materials</p> <p>https://www.youtube.com/watch?v=Nm55ct5Kwil- Stereo lithography-additive method</p> <p>https://www.youtube.com/watch?v=ZIPYMDxw4qU - 3d printing –additive.</p> <p>https://www.youtube.com/watch?v=BTTnaI4EYnY - Shapeways – various methods.</p> <p>Sandstone full colour additive process. https://www.youtube.com/watch?v=FgrlDibPmJo Smart and modern materials.</p>

<p>Drama and Theatre</p>	<p>Ensure you are familiar with two main theatre practitioners, Stanislavski and Brecht.</p> <p>Research contemporary live theatre - what's on in theatres at the moment?</p>	<p>Use the link given in resources to create a google doc outlining your research tasks</p>	<p>https://docs.google.com/document/d/1orgGA6dHY4Pa7XsbZ3BQ0mDfFQxqAJtDMkzcgwq-sJD4/edit (Please ask for access to this document if you are unable to - kelmer@theweald.org.uk)</p>
<p>Economics</p>	<p>TASK 1: Produce a scrap book of key economic events which happen over the summer. Examples could be the events in Greece and the impact on the Euro, or recent reports on the increase in poverty amongst working families and exploitation of the consumer by large firms such as super market special offers and the profits earned by the big 6 energy companies.</p> <p>TASK 2: Gather key economic statistics on the following economies: UK, Germany, Greece, Brazil, China and USA. The key statistics should be Unemployment, Inflation, Growth, Trade, Exchange rates and Interest Rates.</p>	<p>Use a good quality newspaper and the BBC website. Tutor2U is a really useful site for economics and will give you lots of free resources. Re economic statistics again the BBC, Bank of England website are very useful</p>	<p>The exam will be set based upon key economic events which have happened over the 2 years of the course. The purpose of the scarp book is to start developing background knowledge of key events which can be used to develop your longer answers in the exam.</p> <p>TASK 2: You will need to be aware of the key statistics used to look at the progress or otherwise of economies/competitors with the UK.</p>
<p>English Language</p>	<p>Task 1 Create a glossary for the following terms (use a Google document as you'll add to it throughout the course):</p> <ul style="list-style-type: none"> ● noun (proper, common, concrete, abstract) ● verb (dynamic, stative, imperative) 	<p>Task 1</p> <ul style="list-style-type: none"> ● Use your own words to write the definitions - this will support you in understanding the terms more securely. ● You should give a definition of the term using your own words and include examples 	<p>Websites to help with Task 1 Lexico website UCL Website on grammar</p> <p>Wider reading for English Language and to complete Task 2: A Level English Language Preparatory Reading</p>

	<ul style="list-style-type: none"> • adjective (attributive, predicative, comparative, superlative) • adverb (manner, place, frequency, degree, time) • pronoun (first, second, third, personal possessive) • Preposition • Conjunction • determiner <p>Task 2 Carry out some preparatory reading detailed in the wider reading document choosing at least one online resource <u>and</u> at least one book. Keep a reading/listening/ watching log.</p>	<p>within sentences.</p> <ul style="list-style-type: none"> • Use the website to the right as a starting point as well as carrying out a google search of precise terms (e.g. 'dynamic verb') <p>Task 2</p> <ul style="list-style-type: none"> • Choose resources and texts which interest you but also which challenge you, perhaps by being about something you are unaware of or in a form that is unfamiliar to you. • Your log should keep notes in your own words on some of your key thoughts and observations as you watch, read or listen. 	<p>You should choose one online resource and one book but if you have a desire and interest to do more, please do!</p> <p>Further activities and exercises to prepare for studying A Level English Language: Leaping into Language</p>
English Literature	<p>Read <i>The Yellow Wallpaper</i> by Charlotte Perkins Gilman Research and present in an engaging way the nature of the society in which Perkins Gilman is writing.</p> <p>Read the play <i>Cat on a Hot Tin Roof</i> by Tennessee Williams. You will be studying another one of his plays (<i>A Streetcar Named Desire</i>) early in the Year 12 course. Write a response to the play (500-800 words), focusing in particular on what you think of the</p>	<p>Create a 'wallpaper' by use of images collage that occur to you that represent/reflect the mental and emotional state of the protagonist and gives an indication of what society is like and prepare a brief commentary that explains how and why you selected the images.</p>	<p>The Yellow Wallpaper: https://www.gutenberg.org/files/1952/1952-h/1952-h.htm</p> <p>Cat on a Hot Tin Roof: http://shsdavisapes.pbworks.com/w/file/attachment/76523768/Cat%20on%20a%20Hot%20Tin%20Roof.pdf</p> <p>We leave you to locate relevant information about the historical and social</p>

	character of Margaret/Maggie and how she is presented by Williams.		context. Wider reading for English Literature: 18 books to read before your 18 Further activities and exercises to prepare for studying A Level English Literature: Making the Leap to A Level Literature
French	Increase your awareness of events and issues in the French speaking world. Ensure you are confident on key GCSE grammar.	Using the links provided under resources listen and read the news in French regularly. RAG rate the grammar and translation topics on the contents page and work through the activities in the sections you have rated red.	http://www.20minutes.fr http://1jour1actu.com http://www.24matins.fr/adolescents http://www.actustar.com Print out 2 articles you have found interesting and highlight any words you needed to look up. Prepare a summary of each one in French (c.100 words each.) Buy this grammar and translation workbook for £5.99
Geography	Task 1- Set up a Geography folder , in which you create folders for each of your Year 12 units : <ul style="list-style-type: none"> ● Globalisation ● Tectonic processes and hazards ● Regenerating places ● Coastal landscapes and change 	To prepare for geography A level you should be proactive in engaging with the various resources you are guided to below, reading/ watching/ listening and saving links/ brief notes to your folders to use in your studies.	Internet Geography Summer Challenge: https://www.internetgeography.net/wider-geography-summer-challenge/ BBC news app: https://www.bbc.co.uk/news/10628994 BBC iPlayer: https://www.bbc.co.uk/iplayer

	<p>Add resources/ links to these folders as you complete your preparatory work (and continue to do so throughout your A level course).</p> <p>Task 2- Use the “Internet Geography” Wider Geography Summer Challenge web page to browse useful reading, watching, listening resources. Save links/ notes in the relevant folder.</p> <p>Task 3- Download the BBC news app to your phone/ tablet. Read through relevant articles. Save links/ notes in the relevant folder.</p> <p>Task 4- Set up a BBC iPlayer account if you do not already have one.</p> <p><i>Optional but advised: read 'Prisoners of Geography' for an excellent overview which links to many of your A level topics.</i></p>	<p>Make sure your folders and resources are organised into topics from day one.</p> <p>When you are reading/ watching / listening: think about the key geographical themes and key terms you come across.</p> <p>Customise the BBC news page by adding topics that link to your geography course such as 'World' 'Business' and 'Science and Environment' (to link with your topic folders).</p> <p><i>Post it note where you think you can identify links to the 4 year 12 topics in the book.</i></p>	<p>Prisoners of geography- highly recommended as a starting point! Amazon link Prisoners of geography</p> <p>Expected outcomes:</p> <ul style="list-style-type: none"> ★ You will have created folders to store your geography work. ★ You will have done some pre-course reading/ watching/ listening, have links or brief notes in your folder and be able to talk about some of your preparatory work and how it links to your year 12 topics.
German	<p>Increase your awareness of events and issues in the German speaking world.</p> <p>Ensure you are confident in key GCSE grammar.</p>	<p>Using the links provided under resources listen and read the news in German regularly.</p> <p>RAG rate the grammar and translation topics on the contents page and work through the activities in the sections you have rated red.</p>	<p>http://www.dw.com/de/deutsch-lernen/nachrichten/s-8030</p> <p>http://www.nachrichtenfuerkinder.de/ Print out 2 articles you have found interesting and highlight any words you needed to look up. Prepare a summary of each one in German (c.100 words each.)</p>

			Buy <u>this</u> grammar and translation workbook for £5.99
Health and Social Care	<p>Cambridge Technical Foundation Diploma Level 3 Unit 1 <u>PLEASE NOTE : this will form part of your actual coursework</u> <i>You should:</i> <i>Produce a 'guide to communications' that covers the items in 1. You should explain what the terms means and research what they involve -(pictures welcome)</i></p> <p><i>Research specialist communications methods that cover the items in 2. These should include pictures/diagrams and the positives and negatives of the methods.</i></p>	<ol style="list-style-type: none"> 1. Verbal and nonverbal communication skills: pace, tone, pitch, dialect, questioning, active listening, body language empathy. Facial expressions, paraverbals, para-linguistics, gestures. 2. Specialist communications methods and adaptations Makaton, British sign language, Deafblind language, Signs and symbols, PECS, technological aids, Eye Gaze 	<p>https://docs.google.com/presentation/d/13E-E-xZHfjs3_gGyGKCheTxdyK3ZIKuVdYv7wu_ei09o/edit#slide=id.g2891afb5e5_0_15</p> <p>SLIDES 24 - 44 will support all this and then you can research the individual items using google to support your work. Please make sure you write down all the websites you use in a bibliography- this is VITAL.</p>
History	<ol style="list-style-type: none"> 1. Improve your knowledge of the Tudor monarchs and understand the key issues of each reign 2. Create factfiles for the key Russian figures indicated. Make 	<p>Following the link provided to a Tudor website and complete a factfile for each of the monarchs with the following sub-headings:</p> <ol style="list-style-type: none"> 1. Date of reign 2. What was his/her claim to the throne? 3. Marriage and children 4. Key issues of his/her reign (think about religion, wars, internal dispute, age and gender) 5. How successful was the reign? Brief explanation <p>Include an absolute minimum of: -A picture -Dates that they lived</p>	<p>http://tudorhistory.org/monarchs/</p> <p>There are a wealth of online resources available.</p>

	<p>sure that you include detail about their background and role in Russian history.</p>	<p>-Where they were born -Key actions and their impact on Russian history If you would like to push yourself you could investigate some of the historical debates that exist around these individuals.</p> <p>Individuals: the -Tsar Nicholas II -Empress Alexandria -Vladimir Lenin -Rasputin -Leon Trotsky -Sergei Witte -Peter Stolypin -Josef Stalin</p>	
<p>ICT - Cambridge Technical</p>	<p>Investigate and understand the roles of the main Hardware components within a Computer</p> <p>Research Information Systems you come into contact with in your daily lives</p>	<p>Hardware components to include: Hard Disk Drive RAM/ROM Type of storage (Magnetic, Solid State, Optical) Mother Board CPU Graphics and Network Cards</p> <p>When researching Information systems pay attention to the inputs and outputs of the systems. What information about you are these systems using?, how could they be improved for the needs of the user?. What are the ethical, operational</p>	<p>Be able to confidently identify the main components of a Computer and describe their function. https://www.youtube.com/watch?v=ctAVC2JwEwI https://www.youtube.com/watch?v=yRmPTbGBqVI</p> <p>Information systems you may come across include :</p> <ul style="list-style-type: none"> ● Dentists appointment system ● Self-checkout at supermarkets ● Amazon ● Loyalty cards at shops ● Check-in at airports

		and legal issues of the inputs and outputs of these systems.	<ul style="list-style-type: none"> • Facebook
Maths and Further maths	<p>The Maths department, have devised a transition workbook for all students studying Maths A level. All students have been emailed a presentation from Mr Mowforth following the information evening on 17th July. Students are to complete the workbook based around the key skills required as the basic understanding for progressing in Maths A level. In addition to this there is a document with links to videos by TL Maths on Youtube. Students are to make notes from these in preparation for September.</p>	<p>Follow the instructions shared with you in the presentation & discussed at the information evening. The notes you make from the videos will be extremely useful throughout year 12 of the A level course.</p>	<p>The presentation shared with you by Mr Mowforth</p> <p>TL Maths videos</p> <p>The workbook shared with all students</p> <p>Additional support is available from www.hegartymaths.com</p> <p>Video link to how to use HegartyMaths http://www.showme.com/sh/?h=7nbyL2W</p>
Media Studies	<p>Use the following website as a starting point to learning the basics of Media Studies.</p> <p>Bear in mind that other schools teach GCSE Media and will already be ahead of the game - so we must hit the ground running.</p> <p>Take notes and revise. You must arrive ready to apply concepts.</p>	<p>Study the following sections:</p> <ul style="list-style-type: none"> Industry overview Advertising Video games Radio All of genre All of narrative All of audience All representation 	<p>https://www.bbc.com/education/subjects/ztnygk7</p>

	I will often set prep work to do before a lesson and this is a great opportunity for you to get into good habits.		
Music	<p>1. Listen to at least one piece from a musical by each of these composers.</p> <ul style="list-style-type: none"> ● Richard Rodgers ● Leonard Bernstein ● Stephen Sondheim ● Claude-Michel Schönberg ● Andrew Lloyd Webber ● Stephen Schwartz <p>Write at least 6 bullet points describing each piece giving as much detail as possible.</p> <p>2. Listen to the first movements from Haydn's Symphony No. 104 in D (London) and Mendelssohn's Symphony No. 4 in A (Italian). List as many similarities and differences as you can.</p> <p>3. Practise at least one piece over the Summer ready to perform in a class concert in the first 2-3 weeks. This can be a piece you have already learnt.</p> <p>4. Include improvisation as part of your practice. Read the article at the</p>	<p>Include information on structure and how the mood of the words is reflected in the music (think about tonality and other musical elements)</p> <p>Think about instrumentation and the use of musical elements. Do some research to find out why they might be different from each other. Prizes for information which only you have!</p> <p>Make sure you pay careful attention to the performance directions (dynamics, articulation, etc).</p> <p>In preparation for composing, try using a bar or short idea from one of the pieces you are practising and develop it into something new. It</p>	<p><u>Haydn London Symphony</u></p> <p><u>Mendelssohn Italian Symphony</u></p> <p><u>Why Improvisation Should Be Part of Every Young Musician's Training</u></p>

	link to the right if you like.	could be similar to the original piece or completely different. You don't have to compose a complete piece, just play around with ideas.	
Music Technology	<ol style="list-style-type: none"> 1. Listen to a wide variety of music including popular music from 1950 onwards and film music. 2. Choose a "classic track" from the list on the link given. 3. Find a video of a live performance where music technology is used particularly effectively. Explain what is being used and how. 	<p>Be prepared to talk about some of what you have heard.</p> <p>Listen to it and read the article ready to discuss in our first lesson.</p> <p>You will need to do some research into the artist and the equipment they are using in order to give a detailed explanation.</p>	<p>Classic tracks (soundonsound): http://www.soundonsound.com/articles/ClassicTracks.php</p> <p>Here's an example of sample triggering using Ableton and a launchpad (we've got some - good fun!) Louder - Launchpad cover Another example - live piano using Kaoss pad (we've got one of these, too!) Enrico de Trizio Trio</p>
Photography	<ol style="list-style-type: none"> 1. Visit a contemporary Photography exhibition. This might be in London or more local. 2. Open a Pinterest account if you do not already have one at https://uk.pinterest.com/ 3. If you have a camera already, take photos as and where you can- try to make them creative, unusual and 	<p>Suggested London Galleries: The V&A Museum, Serpentine Gallery, Saatchi Gallery, Tate Modern, Tate Britain, The Photographer's Gallery</p> <p>The theme of your first coursework unit will be 'Time'. Open a Pinterest board and start pinning images of Photographers work that you like that could relate to this theme.</p> <p>Experient with the settings on your camera</p>	<p>Where you are allowed, take photos of pieces of work that you like. Note down the name and what you find interesting about the work. Print this information out and bring to your first Photography lesson.</p> <p>Pinterest board - with images pinned appropriate to the first coursework topic.</p> <p>Bring in your photos on a memory stick/on your SD card ready to download and print off.</p>

	inspiring! How could you relate them to the theme of Time?		
PE	Keep a Sports news diary with links to relevant news stories and cut outs from newspapers - look particularly for stories on drugs related incidents or current issues in Sport.	Aim to read a newspaper each week and research using the BBC and Sky Sports websites. Stories that involve controversy and different points of view are particularly useful.	http://www.bbc.co.uk/sport/0/ http://www.skysports.com/
Physics	<p>Research</p> <ul style="list-style-type: none"> • Why objects either float or sink (Archimedes principle). • What is the physics involved in analysing car crashes? • How can we use graphs to analyse motion of objects. • Look up distance/time and velocity/time graphs and what they can tell us. <p>Subscribe to https://www.youtube.com/channel/UCZzatyx-xC-DI_VVUVHYDYw Watch whatever video takes your fancy.</p>	<p>Purchase the head start to A level physics book https://www.amazon.co.uk/Head-Start-level-Physics-Level/dp/1782942815</p> <p>Sign up and login to https://isaacphysics.org/ Go to learn > A level. Go to 'browse questions by lessons' and select 'GCSE to A level transition. Work through these sections.</p>	<p>Watch - Archimedes Principle https://www.youtube.com/watch?v=KOWYFHBvwws Watch the youtube clip about car crash investigations. What are the main Physics principles involved? https://www.youtube.com/watch?v=yUpiV2I_IRI Sign up to Qubit - Institute of Physics membership for 16-19 year olds http://www.iop.org/education/student/youth_membership/page_41684.html</p>
Psychology - including both A Level Psychology & BTec Applied	Task 1 : Find out and outline the following explanations for human behaviour: Cognitive approach; Biological approach; Social approach, Learning	For Task 1: For each explanation produce an A4 spider diagram including the following: <ul style="list-style-type: none"> • What does the approach think causes behaviour 	For task 1: http://www.psychteacher.co.uk/ http://psychtutor.weebly.com/anxiety-disorders-phobias.html

<p>Psychology</p>	<p>approach.</p> <p>Task 2: Complete the research methods booklet on the following link: https://drive.google.com/open?id=0B8IMFqhUd8LDTIhzbUtnWHRENGc (you may open as a Google Doc & complete online, then share it with Mrs Dixon or print it off and hand it in. All the info required is in the booklet). Research is a fundamental part of Psychology and is included heavily in both the A level & BTec courses.</p> <p>Task 3: Optional - a booklet with a reading list, TED talks and films you can watch over the Summer to get to know Psychology Link 1 Link 2</p>	<ul style="list-style-type: none"> • Some key terms that are used to explain behaviour with the approach • an example of how this approach explains how we behave • How does each approach explain the following mental illness: a phobia of your choice eg: arachnophobia 	<p>https://www.youtube.com/watch?v=Xqf6y5IDOWs</p> <p>http://www.psychologywizard.net/unit-1-foundations.html</p> <p>For task 2: (Extra help to complete booklet): http://www.psychologywizard.net/methods.html</p>
<p>Religious Studies, Philosophy and Ethics</p>	<p>Read the information about Jeremy Bentham's Utilitarianism (see link in last column - read up to and including the hedonic calculus).</p> <p>TASK: Apply this theory to a current news article of your choice. I.e. Would Bentham think that Iran's decision to violate their nuclear deal is morally good or bad? Why?</p>	<p>Consider these points in order to complete the task: What is the main aim of any moral action according to Bentham? How does he measure this? Can you accurately measure these criteria in certain case studies?</p> <p>You may wish to use the BBC website as a good starting point for the news articles. The article will need some sort of ethical/controversial/societal aspect - it may link to business and ethics, or euthanasia as these will be your</p>	<p>http://rsrevision.com/Alevel/ethics/utilitarianism/index.htm</p> <p>https://thepanpsycast.com/panpsycast2/2016/7/26/platos-cave-audio-trial</p>

	<p>LISTEN: To the Podcast on Plato's cave. TASK: Do you think that Plato is correct in saying that we do not perceive reality in the world around us? Explain why.</p> <p>READ: Bertrand Russell's - The problems of Philosophy (the first pages). (Linked in far column)</p>	<p>applied ethics topics.</p> <p>This book has been chosen because it demonstrates what we mean by Philosophy and is written in a clear and interesting style that you could replicate in an exam. The book is linked on the right.</p>	<p>http://www.ditext.com/russell/rus1.html</p>
Sociology	<p>Keep a news diary with links to relevant news stories and cut outs from newspapers - look particularly for stories on family, education and children</p> <p>Research Marxist theory and Feminist theory. Produce a mindmap for each theory outlining the key ideas for this theory.</p>	<p>Aim to read a newspaper each week and research using BBC news website</p> <p>Stories that involve controversy and different points of view are particularly useful</p>	<p>http://www.bbc.co.uk/news</p> <p>www.sociology.org.uk - link to Sociology Central website - follow links on introduction to Sociology, Family and Education</p> <p>Marxist theory http://www.historylearningsite.co.uk/sociology/theories-in-sociology/marxist-concepts/</p> <p>Feminist theory http://www.historylearningsite.co.uk/sociology/theories-in-sociology/feminism/</p>
Spanish	<p>Increase your awareness of events and issues in the Spanish speaking world.</p> <p>Ensure you are confident on key GCSE grammar.</p>	<p>Using the links provided under resources listen and read the news in Spanish regularly.</p> <p>RAG rate the grammar and translation topics on the contents</p>	<p>http://www.peopleenespanol.com/pe spanol/</p> <p>www.elmundo.es</p> <p>Print out 2 articles you have found interesting and highlight any words you</p>

		page and work through the activities in the sections you have rated red.	needed to look up. Prepare a summary of each one in Spanish (c.100 words each.) Buy this grammar workbook for £5.99
Sport - BTEC	Keep a Sports news diary with links to relevant news stories and cut outs from newspapers - look particularly for stories on drugs related incidents or current issues in Sport.	Aim to read a newspaper each week and research using the BBC and Sky Sports websites. Stories that involve controversy and different points of view are particularly useful.	http://www.bbc.co.uk/sport/0/ http://www.skysports.com/
Textiles	Research a textiles artist whose work you find interesting. Take one or two photographs of surface textures.	Use the internet or a library to research Textiles artists. Surface textures could be wood, tree bark, natural forms such as leaves, plants, feathers....	Print out an image of a piece of work from the artist that you have found. Print out 1 or 2 photographs of a surface texture.