

Year 11 General activities that may be of interest

VESPA Mindset Home Study Programme: VESPA have put together a free programme of 8 activities from their Mindset programme to support students' commitment, motivation and productivity while they are studying at home. <u>https://www.vespamindset.co.uk/p/the-vespa-mindset-programme</u>

Simple and practical advice to get a healthier mind – from how to deal with stress and anxiety, to boosting mood or sleeping better. Created by Public Health and approved by the NHS. <u>https://www.nhs.uk/oneyou/every-mind-matters/</u>

Year 11 Preparation work for A Level

Art & Design	Complete a timeline for the major art movements. You can do this using these websites: art movements.co.uk, https://www.invaluable.com/blog/art-history-timeline/ This book will also help you: ISMS - Understanding Art by Stephen Little.
	You should provide a brief written outline of the key characteristics of the art which was completed under the umbrella of each art movement and then add two examples of the work of artists who typically characterise each art movement. When you get to the last section of your timeline, which will be on Contemporary Art, please ensure you continue to add two artist images as examples to each section, for example you should have two images for the Young British Artist and for Postmodernism.
	Practical Tasks:
	 Google search Michelangelo figure drawings and Leonardo da Vinci figure drawings; print off two nude figures by each of these artists. Using pencil or charcoal complete accurate studies working from the images you have printed off. You should aim to complete at least four studies over two A3 sheets of paper.
	Complete four figure sketches by working from life, each over an A3 sheet of paper. You could draw family members while they are sitting watching TV.
	 Working from secondary source images on the internet, complete two drawings of a landscape of your choice, each over A3. This website may be helpful: <u>https://unsplash.com/images/nature/landscape</u> but there are lots of very good images online.
	4. Print off a landscape image by each of these two artists: William Mallord Turner and Kurt Jackson. Complete two visual studies for each artist over an A3 page and annotate to show your understanding of how each artist has applied paint and created a sense of spatial depth.

Biology	Please check out the Biology A level prep 2020 group on Google classroom using sign up code: 3bbfcsy
	A level specification: (please note you are not expected to purchase this at this time but is here as a reference).
	Textbook: Pearson-Edexcel- Salters-Nuffield AS/A level Biology third edition (ISBN 978-1-4479-7646-2) Revise Salters-Nuffield AS/A level- Biology A- Revision Guide
	Revise Salters-Nuffield AS/A level- Biology A- Revision Workbook
	Book recommendations: for a summer read Nessa Carey- Junk DNA Bill Bryson- A short history of nearly everything
	Matt Ridley- The Red Queen Emily Anther- Frankenstein's cat
	TV: you might want to check out: Blue Planet, Planet Earth.
	TED Talks : google TED talks Biology and over 200 to choose from including What vaccinating vampire bats can teach us about pandemics How dogs are being used to sniff out malaria
	How climate change can make food less nutritious
	Research: The Big Picture is an excellent publication from the Wellcome Trust. Along with the magazine, the company produces posters, videos and other resources aimed at students studying for GCSEs and A level. Have a browse and for topics of interest you are going to use the resources to produce one page of revision notes Examples include-The Cell, stem cells, DNA sequencing, evolution, human impact on ecosystems
	Pre-knowledge topics: We recommend that all prospective A-level Biology students attempt to complete some transition work to help you reflect on your GCSE Biology knowledge and prepare you for topics to come in year 12 https://gualifications.pearson.com/content/dam/pdf/A%20Level/Biology/2015/teachi
	ng-and-learning-materials/transition-guide.pdf
	Contents includes: Baseline assessment -This tests fundamental understanding of: • biological molecules • cells and reproduction • biodiversity and natural selection • exchange and transport.
	Summary sheets - Review of KS4 concepts. Summary of key points and guide to correct use of key terms. Tips on how to answer exam questions.
	Student worksheets and practice questions -Checking understanding of key points from Baseline assessment and Summary sheet.
	Maths Skills- to support your maths skills: Look in googledrive/Intake 15 students/science/maths skills for A level Biology

Business Studies	 Watch new series of Dragons Den (on BBC now or iPlayer) Read business news items during the summer: Find a business in the news for the wrong reason (ie poor PR) Find a business in the news for the right reason (ie good PR) Keep a weekly diary of business news and return with 6 news stories on different themes, eg marketing; recruitment; equal opportunities; H&S pricing; location Read Richard Branson's "Screw it, let's do it"
Chemistry	 Read Richard Bransoh's Schewit, jers do it Firstly, here is a reminder of why you might want to study Chemistry: https://qualifications.pearson.com/content/dam/pdf/A%20L evel/Chemistry/201 5/teaching-and-learning-materials/A_Level_Chemistry_Open_Evening.pdf The exam board has produced some transition guides to help you reflect on your GCSE Chemistry knowledge Look in googledrive/Intake 15 students/science/Chemistry pre A level for the document (word and googledoc versions so take your pick). and to support your maths skills: https://qualifications.pearson.com/content/dam/pdf/A%20L evel/Chemistry/201 5/teaching-and-learning-materials/Chemistry-Maths-Student-Guide.pdf We recommend that all prospective A-level Chemistry students attempt to complete Sections 1-6 of the following booklet (get as far as you can to help you step up to the next level): http://www.nhehs.org.uk/chemistry/Year12_13/Edexcel%20Documents%20(no n-secure)/Moles.%20equations%20and%20formulae%20booklet.pdf Please join the Chemistry A level prep 2020 group on Google Classroom using the sign up code: w7tcksb to ask any questions and to let us know how you are getting on. In addition to this 'work', the Royal Society of Chemistry has a lot of interesting information (at <u>https://edu.rsc.org/</u>) and articles (at <u>https://www.chemistryvorld.com/</u>) you could read. There are also great articles available from New Scientist (at <u>https://www.newscientist.com/</u>) and Scientific American (let <u>https://www.scientificamerican.com/</u>). For more fun, check out the brilliant element videos from the University of Nottingham (http://www.youtube.com/user/periodicvideos) for some more eclectic stuff. At A-level Chemistry Student Book 1 (ISBN 9781447991168) but we don't expect you to buy this until September. In the meantime we'd suggest trying some of the following wide reading books; all are available (e.g. on Amazon) and many are on Kindle

	Aldersey-Williams, Hugh Periodic Tales: The Curious Lives of the Elements Arney, Helen and Mould, Steve The Element in the Room: Science-y Stuff Staring You in the Face Atkins, P. W. (Peter) The periodic kingdom – a journey into the land of the chemical elements Ball, Philip H2O – a biography of water Beckett, S. T. The science of chocolate Goldacre, Ben Bad science McGrayne, Sharon Bertsch Prometheans in the lab – chemistry and the making of the modern world Pybus, David & Sell, Charles The chemistry of fragrances
Computer Science	Web_based_programming_skills: Students need to develop their web based programming skills including: HTML, CCS and Javascript. They should follow the w3schools.com tutorials in these 3 areas, then complete the project attached here /also posted on the Year 11 GCSE CS Google Classroom page: (https://drive.google.com/drive/u/1/folders/1TpeDXO6ySNLvvx08CUPW6V1hKP5UCR7i) Code Academy (Python): This course is a great introduction to both fundamental programming concepts and the Python programming language. By the end, you'll be familiar with Python syntax and you'll be able to put into practice what you'll have learned. https://www.codecademy.com/learn/python W3Schools (SQL): SQL is a standard language for storing, manipulating and retrieving data in databases. This SQL tutorial will teach you how to use SQL in: MySQL, SQL Server, MS Access, Oracle, Sybase, Informix, Postgres, and other database systems. https://www.w3schools.com/SQL/deFault.asp OCR Coding Challenges Using Python as a programming language try to complete some of the coding challenges from the following booklets. http://www.ocr.org.uk/Images/202838-20-code-challenges.pdf http://www.code.pdf
Drama	 Using the booklet provided complete research on Lysistrata, Greek Theatre and Old Comedy Complete the tasks to present your findings in your chosen medium Read Machinal by Sophie Treadwell ISBN: 1854592114 Watch a Tim Burton film and research into expressionist theatre techniques and conventions
Economics	Tutor2u has created a series of videos and activities that provide an introduction to A Level economics. They can be accessed through these links: <u>https://www.tutor2u.net/economics/reference/head-start-economics-introduction-to</u> <u>-macroeconomics</u> <u>https://www.tutor2u.net/economics/reference/globalisation-head-start-to-a-level-economics</u> <u>https://www.tutor2u.net/economics/reference/globalisation-head-start-to-a-level-economics</u> <u>nomics</u> In addition there is a booklet available to complete. Please contact Mrs. Ghaffar to receive a copy of this. <u>sghaffar@ashlyns.herts.sh.uk</u>

English	 Watch Noughts and Crosses available on BBC iPlayer Watch Belgravia and make notes on what it tells us about life at the time - both 'upstairs' and 'downstairs'. (Available on ITVhub) Watch Back in time for the Corner Shop - 1970s is useful for Lang/Lit but others will be useful for History and English generally. (Available on BBC iPlayer) Watch The Shawshank Redemption - two persuasive paragraphs on why it is frequently named the top film of all time Watch any of the RSC streamed Shakespeare films on BBC4 Write some hints and tips for Year 10 of how to prepare for Y11 www.englishandmediacentre.co.uk User name: Ashlyns Password: English Listen to Radio 4 Look on BBC Writers' Room for a screenplay writing competition and enter it Research a classic poem by one of these poets (Plath, Keats, Tennyson, Hughes or Betjeman) and annotate it for language, structure, tone and meaning Read Room and join Mrs Kingston's Google Classroom for discussion and work Research the life and novels of the Bloomsbury Group - Virginia Woolf in particular Future learn for online courses A suggested reading list has also been provided on Google Classroom
Film Studies	 Watch Mark Kermode's secrets of Cinema on the BBC IPlayer Look at the BBC Writer's Room for opportunities to write/submit work for competitions Research online the history of cinema - creating a timeline of key events/technological advancements Write a detailed review of a film you have watched over the break Create a glossary A-Z of key filming terms Have a go at making a short film on your phone. Consider lighting, sound and shot selection.
French/Spanish	 Watch a French/Spanish language film with English Subtitles (Les Intouchables is one of the movies you might study in Year 12 French) (Volver, Como Agua para chocolate, El Laberinto de Fauna are great ones for Spanish). Choose French/Spanish subtitles when you watch series on Netflix. Try to pick up some new expressions. Explore some French/Spanish music on YouTube Make a list of festivals in French/Spanish speaking countries. You could start a scrapbook about this. We will be doing a scrapbook in Year 12 where you have to find one article each cycle, summarise it and make a list of new vocabulary. Ensure that you know all the High Frequency Vocabulary Look at the Spanish SMASHEDIT! sheets with Idioms for the topics you have studied. Practise these high level phrases and use the idioms. https://drive.google.com/drive/u/0/folders/1UYZ0uQjlqfLMgyeJnoOYfwybW1crt j04
	https://quizlet.com/S_Manns https://quizlet.com/S-Yoxall On this quizlet page, you will find the High Frequency Vocabulary (please do not worry about the Year - it is the same vocabulary for every year) (French and Spanish).

	 Revise and consolidate all key tenses
	https://docs.google.com/presentation/d/1rLUUUgiorjSA_m0dSehWI8R9_KS5_ IFBUPodRKH1mcl/edit (French)
	https://drive.google.com/drive/u/0/folders/1i0v-q5mirU6Hwa7eJY9FUTgT2l43w oVd (Spanish)
	 Change your phone setting to French/Spanish If you are feeling up for a bigger challenge - you can try reading No et Moi by Delphine de Vigan (French) <u>https://www.amazon.co.uk/No-moi-Littérature-Delphine-Vigan/dp/225312480X</u> If you are feeling up for a bigger challenge - you can try reading La Casa de Bernarda Alba (Spanish) <u>https://www.amazon.co.uk/Casa-Bernarda-Alba-Federico-Hispanic/dp/071900</u> 9502
Geography	 Sign up to the Geography - Prep for A Level Classroom: Class code is: dugbjzi We will be posting new activities every week so keep checking in. Already lots of activities/ideas posted on there.
	 Go to <u>https://rgs.org.uk</u> We have a school membership and you can log in as a pupil under the following details: Email: <u>340772@rgs.org</u> Password: Ashlyns1 Check out the online lecture series and digital copies of Geographical Magazine.
	 Excellent revision resource for all units studied at A Level on <u>https://www.physicsandmathstutor.com/geography-revision/a-level-edexcel/</u> Might be worth a look to start familiarising yourself with the content
	• Go to https://timeforgeography.co.uk/videos_list/further-study-opportunities/ Lots of videos here from universities giving info on what opportunities exist for studying geography
	 Watch "Don't Panic – How to End Poverty in 15 Years" <u>https://www.gapminder.org/videos/dont-panic-end-poverty/</u>
	Watch "Dangerous Earth: Volcano" <u>https://www.dailymotion.com/video/x643cu0</u>
Health and Social Care	 Create a series of posters into the different developments; physical, intellectual, emotional and social, at each life stage: Birth - Infancy (0-2 years) Early Childhood (3-8 years) Adolescence (9-18 years) Early Adulthood (19-45 years) Middle Adulthood (46-65 years) Later Adulthood (65 + years)
	 Research into why people may have additional needs and create a thought organiser. How do we diagnose those with additional needs?

	Can you name 5 physical disabilities/impairments and 5 mental disabilities/ impairments? How can we minimise the barriers for those with additional needs? How can we support those with additional needs?
History	 A new classroom to join for into A Level activities: code is zw6ubt4 Complete the activities from the course content document - available on Google Classroom Try to do some further reading using the course/unit bibliographies and reading lists Watch the clip about Henry VII: <u>https://www.youtube.com/watch?v=-5FsriGn300</u> Watch the clips about the Cold War in Asia: <u>https://www.youtube.com/watch?v=Y2lcmLkuhG0</u> <u>https://www.youtube.com/watch?v=eYeWURHhr04</u> - this one is more detailed about Korea. There are other clips in this series you can watch
Maths	 Sign up for: Google classroom Future A level Mathematician - code inqqx5y Google classroom Future A level Further Mathematician - code ppgv75n We will be posting work and activities here on a weekly basis. An A level induction booklet is available for you in Google Classroom Other textbooks: (Do not feel you need to buy these.) Bridging the Gap Collins
PE	Head Start to A level Maths CGP PE challenging guestions
	 Make sure you can answer all the questions. Do you know the name and location of the major muscles of the body? Do you know the name and location of the major bones of the body? Why does our Heart Rate increase when we exercise? Why do we get out of breath when we exercise? How do the body systems respond to a warm up and adapt to training over a period of 6-8 weeks? How do the skeletal system and muscular system work together to create sporting movements? - Movement analysis - antagonistics muscles in relation to skeletal movements. How do the different classification of levers help an athlete in their performance? How do planes and axis link together in different sporting movements? Writing tasks - 75 words: Out of the 10 components of fitness (Agility, Balance, Coordination, Power, Reaction Time, Speed, Muscular Strength, Muscular Endurance, Cardiovascular Fitness, Flexibility) can you pick the most important 3 for your sport and write 75 words on why? What are your main influences on why you play the sports you do?

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	Why do some athletes set themselves goals?How might an athlete adapt their diet to suit their sport?
	Videos to watch:
	 Google 'Dwain Chambers talks Steroids' and watch the interview. Then answer these questions, why did he cheat? Who did he affect by cheating? Who influenced him? Who's fault was it? Google 'Sportsmanship, Gamesmanship, Breaking the rules' and watch the video on Youtube. There are examples of each? Can you distinguish between the 3 types?
Philosophy and Ethics	There is a series of activities that have been provided on the following document - most of you would have done Activity 1 already, but there are three more you can get your teeth into just to give you a little taste of the research and key notation skills that will be useful for A Level Philosophy and Ethics.
	https://drive.google.com/open?id=1VOtKRFt-VRbxBfFcT_oNK6EYUZ6v6RNKUeM kSdQz4IA (PLEASE MAKE YOUR OWN COPY!!!)
	The document should include the kind of links and resources you will need - remember, a lot of this is down to your personal response and interpretation, so please do your very best and upload it on Google Classroom or send it to me to look over at <u>pwalker@ashlyns.herts.sch.uk</u> Thank you!
Photography	To prepare for your Photography course, we would like you to start by completing some preliminary research and practical work. The tasks will be updated every 2 weeks.
	Do not hand your work in on Google Classroom; please share your work with Miss Welch (email address below.
	Any questions regarding the tasks, please email me: <u>nwelch@ashlyns.herts.sch.uk</u>
	To access the tasks join the class on Google Classroom Class: Photog y11-12 Code: I7h463r
Physics	Calculations and problem solving work has been set on Isaac Physics - see below.
	You can also try questions on this site without creating an account.
	Please sign up to the Physics A level Prep Google Classroom class code: mwn6uhm
	You can then send any questions or share any resources or ideas you have with peers.
	 Brian Cox video- try this first to inspire you or dip in and out of it when you need some encouragement! <u>https://www.youtube.com/watch?v=enSXh4YY9Ws</u>
	 Brian Cox on nuclear fusion: <u>https://www.dailymotion.com/video/x3rg7x0</u>

 Check out the wide range of topics and videos with famous Scientists on: <u>https://www.youtube.com/user/RoyalSociety</u>
 Here are some practical astronomy experiments you can try (yes really!) <u>https://spark.iop.org/collections/early-astronomical-measurements</u> Let me know if you need to find someone to do the first experiment with who lives far away. I have contacts I can use.
Isaac Physics: <u>Isaacphysics.org</u> This is a complete Physics website set up and run by Physicists at the University of Cambridge. It also has Maths sections for all 3 Science A levels.
It has tutorials and hints and tips and lots of questions to try. You can use this new resource set up by them for the school closure:
Students are encouraged to join a remote Isaac tuition group covering, step by step, sections of our GCSE book. Click here for <u>GCSE</u> .Each week explanation videos, exercises, and concept pages will be posted to the group. A day after each topic is introduced there is a live session at which students can ask questions. Student questions will be answered by the book authors. An archive of past tuition will be accessible during the school closures.
I have also set up a group y122020 which you can join via this link: <u>https://isaacphysics.org/account?authToken=NZ6FQG</u>
You will need to set up an account with Isaac Physics - it is free and we use it throughout the A level course. Please use your school email account. I have set you GCSE level questions to keep you in practice for the start of A level and some which are just beyond for interest. The site marks them for you and records your score.
When you have set up your account you will need to go to Student Support and look at the information there. In particular check the Answering Questions FAQs section- there are strict rules about significant figures and of putting in standard form answers which you will need to read before trying any questions.
I suggest starting with the Mechanics and Electricity questions, the wave equation questions and atomic and half life questions. There are lots more for you to try.
Other sources of information GCSE Physics textbook on Kerboodle Hyperphysics <u>http://hyperphysics.phy-astr.gsu.edu/hbase/hframe.html</u> This literally covers all Physics! You may find it too much of a challenge but give it a go if you want an answer.
Isaac Physics book- some keywords need completing but it is a good resource. The UK Science and Technology Facilities Council have also sent you this message:
We also wanted to alert you to the various activities, interviews, videos and quizzes that STFC will be releasing via social media (Facebook, Twitter and Instagram) over the coming weeks, covering a range of topics, starting with 'our solar system' this week. We are trying to encourage people to show us what they're doing at home using the hashtag #STFCScienceAtHome

	Facebook: Science and Technology facilities Council Twitter: @STFC_Matters Instagram: bigscience_stfc Also https://www.nasa.gov/audience/forstudents/index.html https://home.cern/resources?title=&topic=All&type=61&audience=23&field_p_reso urce_display_tags_target_id=&date_from=&date_to=
Politics	 Watch the Learning Live short videos available here: https://learning.parliament.uk/outreach/online/ There are lots of great films, documentaries and TV series that can develop your understanding of politics: In the Loop; Official Secrets; Malcolm X; Hotel Rwanda; The Queen; The Iron Lady; Suffragette; Darkest Hour; I Daniel Blake; In the Name of the Father; Four Lions; An Inconvenient Truth; Brexit: The Uncivil War; The Special Relationship; Frost/Nixon; All the President's Men; The Deal; The West Wing (TV series); House of Cards (UK version first aired in 1990); The Thick of It (UK comedy); Spitting Image (Old episodes if you can find them! But is due to be re-released); The New Statesman (TV series). If you have already expressed an interest in studying politics at A Level, or think you might like to study it you will need to complete the following activity: 1. Download the 'How it works' booklet: https://assets-learning.parliament.uk/uploads/2019/12/How-it-Works-booklet.p df 2. There is a workbook that you need to complete - this is available in google classroom. Please contact me to get a copy of this booklet: rmurray@ashlyns.herts.sch.uk This booklet will need to be completed and handed in once we return to school in
Product Design	 September if you decide to study A Level politics. Watch the Big Life Fix programme: Three one hour programmes highlighting how good design and engineering can change peoples' lives. https://www.youtube.com/watch?v=gaWNm68MFsc Using the Design Museum website plus others: https://designmuseum.org/design https://designmuseum.org/design nttps://designmuseum.org/designers Carry out a research project based on the key design styles and movements and their principles of design, including: • arts and craft movement • Art Deco • Modernism, eg Bauhaus • Postmodernism, eg Memphis Carry out a research project based on the work of influential designers and how their work represents the principles of different design movements, including: • Phillipe Starck • James Dyson • Margaret Calvert • Dieter Rams • Charles and Ray Eames • Marianne Brandt Carry out a research project based on how socio economic influences have helped to shape product design and manufacture, including: • post WW1: the Bauhaus and development of furniture for mass production • WW2: rationing, the development of 'utility' products • contemporary times: • fashion and demand for mass produced furniture • decorative design

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Psychology	 Research a psychological case study on something that interests you, and write a summary of it (no more than one side of A4) to bring to our first lesson. A good place to start would be: <u>https://digest.bps.org.uk/</u> or any other website/book/ journal. Two fascinating books to read are 'The Psychopath Test' by Jon Ronson and 'Unthinkable: An extraordinary journey through the world's strangest brains' by Helen Thomson.
	 Please join the Psychology A level prep 2020 group on Google Classroom using signup code: oqu7fpl
	 Some watching for you (you may choose to write about one of these or any other case study you are interested in):
	 Watch the following documentary on Gypsy Rose Blanchard: <u>https://www.youtube.com/watch?v=4RJf6ckrtcA</u>
	 And the following on 'Genie, the wild child': <u>https://www.youtube.com/watch?v=VjZoIHCrC8E&t=3s</u>
	 The following on Phineas Gage: <u>https://www.youtube.com/watch?v=ZKaDWu2zFG0</u>
	• This on attachment: <u>https://www.youtube.com/watch?v=YcQg1EshfIE</u>
Sociology	PiXL6 have created a fantastic booklet entitled An Introduction to A Level Sociology.
	The booklet contains a programme of activities and resources to prepare you to start in September. It is divided into some core themes that you will study: The Study of Society, Social Group, Theory and Methods. It also contains a great reading list.
	Remember, if you wish to really study the world around you it is important to have a political awareness and to stay up to date with current affairs.
	To get hold of this booklet please email either Mr Burton or Mr Norwood. sburton@ashlyns.herts.sch.uk or knorwood@ashlyns.herts.sch.uk
Textiles	Look at the following website for a range of activities: http://www.julieboyd.co.uk/, eg:
	 Techdoodle Have a go at the Product In A Tin competition Look under free resources for textile technique instructions Complete some of these to add to your skills folder Try one of the sewing project ideas or create a sketch book using the help sheet.