

Year 11 Independent subject research

24.4.20

Art and Design

Select a range of galleries to peruse and begin to look at the rich variety of art work at the click of a mouse. [virtual gallery tours](#)

[best-uk-photography-galleries](#)

Practical activity. Photography is an ideal way to document the world we live in, for both Photography and Art students. As a bit of fun head over to Project 365 and create a Coronavirus diary.

<https://365project.org/>

Biology

Log onto the New Scientist website <https://www.newscientist.com/> then go to the health section and follow the "trending articles" on the latest on the Coronavirus.

Business Studies

Use the following websites to investigate the impact of Coronavirus on businesses, select two or three businesses and research and describe the impact that the lockdown situation is having and how the businesses have responded to it. When carrying out this task consider the following questions:

1. What has been the impact of the lockdown on sales revenue (look up the definition of 'sales revenue' if you are not sure)? You may be able to find some financial data for the businesses you are researching.
2. What has been the impact on staff that work for the business? What actions has the business taken to retain staff or shed staff to cut costs?
3. Look up the definition of 'cash flow'. Try to gain an understanding of why so many businesses have cash flow problems, what problems this is causing and what help is being offered.

Write a short report on the businesses you have read about, try to answer the 3 questions above. Suggested websites:

<https://www.tutor2u.net/>

<https://www.bbc.co.uk/news/business>

You can also use the websites of good newspapers such as The Times, The Guardian and The Financial Times if you have access to them.

Chemistry

Click on the following link from the Royal Society of Chemistry website:

<https://edu.rsc.org/remote-teaching-support/learning-at-home-for-16-18/4011401.article>

Work through and make notes on any of the articles that interest you - the Spectroscopy section is particularly good! You may have to join the **RSC** to access the materials but it is free so just complete the registration form and away you go!

Computer Science

Part 1 – Programming

In the A-Level course, there will be a lot of programming! You will need to be confident in order to program your own project, so it would be a good idea to spend time revisiting the basics and practicing skills. Go to <https://www.w3schools.com/python/> and work through the tutorials at your own pace to build your programming skills.

Part 2 – Theory

With the current pandemic, this is a time to consider the importance of technology. What are the benefits of technology at this time? What might be the drawbacks? Do some research into the uses of technology during lockdown – this may be a discussion point for Unit 1.5 Issues in Computing in September.

Economics

Have a go at the activities in the links below.

<https://www.tutor2u.net/economics/reference/head-start-economics-introduction-to-macroeconomics>

<https://www.tutor2u.net/economics/reference/market-failure-and-government-intervention-head-start-activity>

English Language

Read Desiree's Baby by Kate Chopin <http://www.eastoftheweb.com/short-stories/UBooks/DesiBaby.shtml> Make notes on the key themes of the short story and how the events and characters are used to convey these. Now, rewrite the story but for a teenage audience. To prepare for writing in this style, read some teenage fiction and copy the stylistic features.

Suggested reading for teenage fiction:

Naughts and Crosses – Malory Blackman

The Giver – Lois Lowry

The Maze Runner – James Dashner

The Fault in our Stars – John Green

English Literature

Choose a Victorian novel from the list below.

Read it, either from <https://www.gutenberg.org/> or a hard copy. Watch a period dramatisation of the novel (ensure you have access to this through a streaming service or DVD before choosing your novel) and research the themes, conventions and context in the novel (for example, is it a bildungsroman? Compare it to other key novels of the time - what themes, narrative structures, character archetypes etc. does it share? Research the

reception of your novel. Was it popular? Was it aimed at a particular type of reader? Is it a reaction to an aspect of the context?

Text list:

Hardy - Tess of the D'Urbervilles, Far from the Madding Crowd

Bronte C - Jane Eyre

Bronte E - Wuthering Heights

Eliot - Silas Marner, Middlemarch

Dickens - David Copperfield, Hard Times

French

Go on either <https://www.lanouvellerepublique.fr/> or <https://www.lemonde.fr/>. Find French articles you want to read, then copy and paste them on a Word document. Read the articles and highlight the words you don't know. Make a vocab list in French and English underneath the article with all the words you have highlighted (using <https://www.wordreference.com/>) and write a 50-word summary in English about each article.

Geography

Use the websites below and your own research to compile a place profile on Southwold. You could include:

- Maps
- Data - demographic info (age structure) etc
- Location description
- A concise overview of the history of Southwold
- An overview of current issues facing the town.

<https://www.southwoldmuseum.org/>

<https://southwoldtown.com/newsletter/>

Graphic Communication

Go to the Design Museum website: <https://designmuseum.org>

Design Despatches - Every Saturday, join the museum's Director, Tim Marlow in conversation with a wide range of familiar faces from the world of design, fashion and architecture.

Learn with the Design Museum - Upskill with free learning sessions for adults including fashion starter packs and lunch time sketching with leading architects.

Into The Archive - Go behind the scenes of the museum's exhibitions, past, present and future and get insights into what's going on across the design world.

Health and Social Care

1. In Health and Social Care we will consider three sectors: health care, social care and childcare. Have a look at the Care Quality Commission and Pacey websites to find which environments make up these sectors.

<http://www.cqc.org.uk/content/services-we-regulate>

<http://www.pacey.org.uk/parents/choosing-great-childcare/types-of-childcare/>

2. The 6Cs were identified in 2012. Find out what they stand for and using the media, identify examples of how each of these values are being applied currently in health and social care environments.

History

1. Subscribe to History Hit TV <https://tv.historyhit.com/signup/package> – there is a 30 day free trial so sign up for this so you can access the resources. (Don't forget to cancel this if you don't want to get charged.)

There is a wealth of short documentaries and articles on the site that you can watch and read. Focus on the time periods you will be studying at Reepham College:

- England 1625-1660
- Germany (Europe) 1871-1991

Don't feel limited to these periods but they are the best place to start.

2. Listen to some of the "Your Dead to Me" Podcasts:

<https://www.bbc.co.uk/programmes/p07mdbhg/episodes/downloads>

Law

The following task and websites useful:-

www.oldbaileyonline.org

www.lawsociety.org.uk

www.supremecourt.uk

www.theseecretbarrister.com

In particular look at the site <http://ybtj.justice.gov.uk/> and explain how sentences are reached and the purpose of sentencing.

Mathematics and Further Maths

- Head to YouTube and check out **Numberphile** and **StandUp Maths** and lose yourself for hours learning about mathematics you've never even thought about!
- CGP have published a Head Start to A Level Maths workbook, which is excellent and will help you revise topics from GCSE and highlight any areas you need to work on and really get you ready for A Level Maths.
If you want a book **don't pay more than £6** for it. Currently (22/4/2020) the Kindle edition of this book is actually **free!** on Amazon and they have a free App if you don't have a Kindle

Media Studies

Visit the website davidbuckingham.net and, in the 'Essays and Videos' tab find the section on 'Media Education'. Read some of his essays on the topic, particularly those related to arguments for and against media education and literacy. Consider this question: why is media education crucial for society, particularly in the current situation with Covid-19?

Music

Choose a piece of instrumental music that you enjoy listening to - it can be in any style or genre. Now analyse the piece by describing each of the elements listed below (MAD T SHIRT analysis). Whilst doing this, try and justify the composer's intentions. For example: To create a sad mood, the composer has used a minor key and a slow tempo. Also, under each of the element headings, describe any key features of the style of the music you have chosen. Make sure you include the link of the music you have chosen.

Melody
Articulation
Dynamics
Texture
Structure
Harmony
Instrumentation
Rhythm
Time Signature

Photography

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Physical Education

Over the duration of the A Level PE course you will gain a deep understanding of the following topics;

- Applied anatomy and physiology of the human body
- Exercise physiology and applied movement analysis
- Skill acquisition
- Sports psychology
- Sport and society
- The role of technology in sport.

Carry out research into a number of these topics to develop your knowledge further. The websites below will be useful for this.

www.teachpe.com/ - A wealth of free to view information on Physical Education for Students, as well as quizzes to test your knowledge.

<https://www.brianmac.co.uk/> - Detailed content on a number of key topics, particularly linked to training and exercise.

If you wish to extend your understanding of individual topics further, visit <https://www.youtube.com/channel/UCChU8cYZY5xpQ7pBIklu3Xw/videos> and watch some of the topic based videos.

Physics

Choose a **Physics or Engineering** magazine or a popular science book. Choose one article or chapter you really like from the magazine or book and read it fully. You then need to choose something from the following list to do with this article / chapter:

- Research the meanings of any new terms you come across and make a glossary.
- Write down five questions that the article / chapter has made you think of and find out the answers to them.
- Research details about the author of the article and write a short profile for them.
- Find out the names of at least five other researchers / scientists / engineers working in the same field and write a sentence about each one.

Politics

Start by looking at BBC or newspapers such as The Guardian and The Independent for good politics news, listening to radio stations such as Eddie Mair on LBC or watching live video clips on YouTube. There are also many, many podcasts and podcasts of radio shows too. Sky News Daily and BBC Best of Today are useful.

Twitter is the best source of up-to-the minute news if you follow the right people. We recommend setting up an account and follow, for starters:

- **News accounts such as:** BBC Breaking, BBC Politics, Channel 4 News, BBC Newsnight, New Statesman, The Spectator, Private Eye, the Economist, Simple Politics (and newspaper accounts such as the Financial Times).
- **Political journalists such as:** Laura Kuenssberg, Andrew Neil, Faisal Islam, Nick Robinson, Owen Jones, Lewis Goodall, Theo Usherwood, Beth Rigby, Sophy Ridge, and others.
- **Politicians such as:** Boris Johnson, Keir Starmer, and other key figures in the Conservative, Labour, Lib Dem, and Green parties, as well as politicians outside the UK.

Psychology

Go to the **British Psychological Society** website: <https://www.bps.org.uk/blogs/listing>
Explore blog articles from a range of topics, and consider *how* psychology has made a positive impact on the world.

Sociology

Explore newspaper and blog articles on the topic of the Coronavirus, and consider what impact the Coronavirus has had on different groups in society. The main sociological groups are: social class, age, gender, sexuality, ethnicity and (dis)ability.

All news and current affairs blogs will currently have articles on this topic. You could start with: www.theguardian.com www.theconversation.com www.discoversociety.org

Spanish

Go on either <https://www.20minutos.es/> or <https://elpais.com/>. Find Spanish articles you want to read, then copy and paste them on a Word document. Read the articles and highlight the words you don't know. Make a vocab list in Spanish and English underneath the article with all the words you have highlighted (using <https://www.wordreference.com/>) and write a 50-word summary in English about each article.

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