

Year 11 Spring 1 Lockdown Curriculum

Art

Topics

- Completion and evaluation of sustained painting
- Development of new ideas for personal project
- Sustained observational drawing linked to chosen personal theme
- Research and responses made to relevant and inspiring artists

Recommended Resources

- Online artist workshops delivered by artists Jeanette Barnes and Paul Brandford were highly popular with many GCSE & A Level Art students during the Christmas holidays. Portrait and 'New York' Urban workshops are taking place at weekends during January and February and it is likely that additional workshops will run during February half term: <https://weexploredrawing.co.uk/workshops.html>. Work produced will support students' portfolios and help with the development of ideas. NB: when registering, either the student or parent personal e mail address is needed in order to receive the link to join the workshop (not the students school e mail).
- To support students in considering their career options and in understanding the benefits of studying Art & Design based subjects at A Level and beyond, we highly recommend this Netflix series for the entire family to watch: Abstract: The Art of Design.
- The department regularly share ideas and resources with individuals through OneDrive as well as through Pinterest https://www.pinterest.co.uk/Miss_McKeown/ and through our Art Wallington Girls YouTube channel <https://www.youtube.com/channel/UCngXknR-KZYjMo-aJVDKW6g>
- Check the Art Dept Instagram for various art challenges, celebrations of student work and more! https://www.instagram.com/art_at_wallington_girls

Biology

In Biology this term we will be working through Topic 8 (Exchange and transport in animals). Once this is complete, we will be moving on to structured revision.

- Transport and exchange
- Factors affecting diffusion
- The circulatory system
- The Structure of the Heart
- Heart rate and cardiac output
- Cellular respiration
- Respirometer practical theory
- Respirometer practical data analysis
- Revision

Recommended Resources

- [Pearson Active Learn](#) – this is where the GCSE Edexcel Biology text book can be found in addition to several activities that teachers may set for their classes.
- FROG – in the KS4 Biology tab there are lesson resources, revision materials and past papers. There is also a recommended further reading list available.

- Additional revision websites:
 - [BBC Bitesize Edexcel](#) – a useful revision website for Edexcel GCSE Biology
 - [Physics and Math Tutor for Biology](#) – a useful revision website for Edexcel GCSE Biology
 - [Seneca Learning](#) – resources for Edexcel GCSE Biology
 - [S-cool](#) – a useful general revision website
 - [Kayscience](#) – a useful general revision website

Business Studies

Topics

- Economic Climate
- Globalisation
- Review and revision

Recommended Resources

- Websites
 - Tutor2u
 - BBC Bitesize
 - BBC News website – business section

Chemistry

Topics:

C12- Chemical Analysis

C14 & C15 Using Resources

Recommended Resources

- **FROG:** Chemistry GCSE > Teaching Resources > Home Learning - there is a wealth of resources here and is the first place I would direct students looking for additional resources;
- **Kerboodle** – all students have log in details. Gives students access to the virtual textbook, interactive tasks and assessment material;
- **Oak National Academy Online Classroom:** [Oak National Academy Online Classroom \(thenational.academy\)](#) an excellent website that has a teacher explanation clip, worksheet and assessment quiz for every lesson.
- **Royal Society of Chemistry:** [Education | Royal Society of Chemistry \(rsc.org\)](#) – a lot of the resources here are aimed at teachers, but there are many very useful resources for students, too. This website is particularly useful for watching demonstration clips of core practicals.
- **YouTube** – below are a list of some of my favourite channels:
 - **Fuse School**
 - **Freesciencelessons**
 - **Cognito**
 - **MrPidge Science**

Computing

Topics:

Paper 2 revision

- System architecture
- Common CPU components and their function
- CPU performance
- Main memory
- Secondary storage

- Device operation
- Cloud storage
- Embedded systems
- Networks
- Wired and wireless networks
- Topologies
- Network protocols
- TCP/IP layers
- Network security
- Encryption

In addition to the above topics, students will be completing **exam style questions** to reinforce their understanding of the subject content and to support articulation of answers.

Recommend Resources

- <https://www.codecademy.com/learn/learn-python-3> this will help develop student's coding knowledge further
- **The Code book** – The secret history of Codes and Code Breaking by Simon Singh – a great book that introduces and expands on the ideas of code breaking.
- **BBC Bitesize (GCSE CS)** – great for additional revision for GCSE topics.
- **CraignDave** – a video channel which explores GCSE topics using 10 minute videos
- <https://app.senecalearning.com/classroom/course/90cb1d71-3c44-4a2d-a07e-d76a5f54cd05> Revision for AQA GCSE topics

Design and Technology

Year 11 PD topics: Students will be wholly working on their GCSE NEA

- Complete prototype
- Working drawings, Isometric, Orthographic
- Exploded drawings
- Risk assessment
- Plan of production (For actual and prototype)

Food

Topics:

Year 11 food students will be continuing with their GCSE NEA2 work.

- NEA2 Selecting dishes using a mind map of possible ideas. Completing a technical skills table outlining the suitable products to potentially make.
- NEA2 Selecting and making technical skills **product one**. Complete the write up of this product and the evaluation using sensory analysis.
- NEA2 Selecting and making technical skills **product two**. Complete the write up of this product and the evaluation using sensory analysis
- NEA2 Selecting and making technical skills **product three**. Complete the write up of this product and the evaluation using sensory analysis. Decide which two products will be carried forward for the final menu. Justifying reasons for choice. Writing a time plan for the practical test.

Recommend Resources

- Nea2 Student handbook online text book on FROG

- websites suitable for individual student project

Drama

Topics

- Evaluation of a live theatre performance – “Small Island” (National Theatre)
- Rehearsing for Practical Examination (scripted play) – “Kindertransport” by Diane Samuels

Recommended Resources

- Log-in for the performance of “Small Island” at the National Theatre online is:
<https://www.dramaonlinelibrary.com>
 Username: 9Dk(4Ob+lx
 Password: 5HgZ1Dh(i/
- Contextual information for “Kindertransport”:
 - <https://www.youtube.com/watch?v=XqP0uVSj3bQ>
- A performance of the play “Kindertransport”:
 - <https://www.youtube.com/watch?v=oukQKujcpRc>

English Language and Literature

Topics

- Unseen Poetry – prepare for analysing and responding to an unseen poem:
 - Language, Form and Structure
 - The big idea or main message of the poem
 - How to compare to second unseen poem
 - Comparative paragraphs with focus on AO2
- Power and Conflict Poetry revision
- English Language Paper 1 (Reading Section) revision

Recommended Resources

- An electronic copy of the 15 poems can be found on FROG
- YouTube – lots of excellent analysis videos are available but please check with your teacher before accessing these as poems are open to interpretation and some ideas/videos are better than others
- Mr Bruff – some excellent analysis videos and ideas – you may watch these to supplement your understanding of the poems
- Genius website useful for annotations for poems that are more difficult – again, treat these with some caution as they are one person’s interpretation
- Reading widely will help prepare you for Language Paper 1 and 2 – you can find a range of extracts in the packs you were given last year – your teachers will also be sending you additional extracts for Paper 1

French

Students are currently revising school and jobs including:

- Description of studies
- Talking about your school
- Talking about school rules and uniform
- Talking about the good and bad aspects of school
- Choices at 18 work or university?
- Talking about the benefits of Higher Education
- Looking for and applying for jobs

- Talking about your ideal job

In addition, some of the grammar topics studied include the revision of tenses and introduction to the passive voice. They are also completing a series of Exam Type Questions and Exercises as well as written answers in preparation for the exam and will have a translation assessment.

Recommended Resources

Vocabulary Express (use your username and password to access this go to learn vocabulary and complete all of the exercises for both Foundation and Higher GCSE)

<https://vocabexpress.com/login>

AQA French

<https://www.aqa.org.uk/subjects/languages/gcse/french-8658>

Kerboodle (focus on interactive activities for each of the units covered and mini readers)

<https://kerboodle.com>

BBC Bitesize (select French /KS3; lots of games and fun activities to learn)

<https://www.bbc.co.uk/bitesize>

Languages online (go to français tab and complete any of the quick links topics including grammar, vocabulary, quizzes, etc)

www.languagesonline.org.uk

duolingo (also an app)

<https://www.duolingo.com/>

Conjuguemos (go to library/French and select any of the verbs, grammar or listening exercises. Focus on regular present, past and future tenses)

<https://conjuguemos.com>

Geography

This half term students will be completing the final topic of the GCSE, energy resource management.

Edexcel GCSE Topic 6a: Resource Management (Energy Resource Management)

- What are natural resources? Definitions and categories.
- Where are natural resources found around the world? Global distributions shown on maps
- How are natural resources consumed around the world? Global distributions shown on maps
- How are renewable and non-renewable resources used to produce energy?
- What is the UK's energy mix and how does the energy mix in countries around the world?
- Case studies: Energy use in China and Germany

Recommended resources:

- BBC Bitesize: [Global patterns of energy - supply and consumption - Resource management - energy - Edexcel - GCSE Geography Revision - Edexcel - BBC Bitesize](#)
- Seneca learning – Geography GCSE Edexcel A: [Seneca - Learn 2x Faster \(senecalearning.com\)](#)
- It's really important that students keep up with what's going on in the world: [Home - BBC News](#)
- What resources are powering the UK right now? [GB Fuel type power generation production \(gridwatch.co.uk\)](#)

German

| | |
|-----------|--|
| What? | Say whether they want to get a job or go to uni Using welcher Justify and explain post-16 choices Verbs + zu Talk about career preferences Using a range of subordinating conjunctions Say what their dream job is and say what work experience they have done Using the genitive case or von + dative |
| Recommend | Slow German accessible podcasts on many topics with transcript Easy German channel on YouTube; short entertaining videos about aspects of life in Germany Logo News programme for young people: turn on subtitles and see if you can understand the gist |

History

Topics

- Revision and exam technique

Recommended Resources

- A helpful range of resources can be found on Frog

Maths

Topics:

- Transformations of curves
 - Translations
 - Reflections
- Transformations of trig graphs
- Vectors
 - Vector Notation
 - Column Vectors
 - Vector Geometry
 - Parallel Vectors and Collinear
 - Vector proofs
- Graphs of Rates of Change
 - Distance Time Graphs
 - Velocity Time Graphs
 - Gradient of a curve
 - Trapezium rule
 - Average rate of change
 - Equations of Motion

Recommend Resources

- We would strongly advise the use of Hegarty Maths - <https://hegartymaths.com>
- All students have a login, and they are able to watch videos on topics, complete quizzes and seek help or get feedback from their teacher
- Other sites that are useful

- Corbett Maths - <https://corbettmaths.com/contents/> - website with a range of videos, worksheet and exam questions for all GCSE topics
- My Maths - <https://app.mymaths.co.uk/myportal/library/9/85> - website with a range of tutorials, worksheet and exam questions for all GCSE topics. All students have a login.
- Dr Frost - <https://www.drfrostmaths.com/resourceexplorer.php> - website with a range of powerpoints, worksheet and exam questions for GCSE topics

Media Studies

Topics

- Completion of coursework
- Newspapers- The Observer print and online
- Radio- BBC One Radio

Recommended Resources

- BBC iPlayer- for accessing previous recordings of radio shows
- The Guardian- website <https://www.theguardian.com>
- The Paper Boy- a website providing access to newspaper front pages <https://www.thepaperboy.com/uk/>

Music

Topics:

- Finalising solo performances, Completing composition, last set work, revision
- Uploading final performances, supplying score
- First complete draft on composition 1- end of January
- Final composition to be submitted by February half term
- 'Samba Em Preludio' Esperanza Spalding, features, structure, context
- Revision; glossary terms, features, dates and context, dictation, essay planning, aural skills, exam technique

Recommended Resources

- [edexcel gcse music set works - YouTube](#)
- [\(1\) Esperanza Spalding: Samba em Preludio \(2008\) GCSE Music Annotated Score - YouTube](#)
- [GCSE Music - Edexcel - BBC Bitesize](#)

PE & Dance (Core)

Topics

- Weeks 1&2 – Fitness Testing Activities/Inter-house competition (Results submitted to their PE teacher using google form emailed to students)
- Weeks 3-6 – Fitness Work-outs: Students provided with a powerpoint outlining a range of physical and skill based work-outs and challenges from HIIT, Zumba, Yoga, Boxercise and Meditation

Recommended Resources

- Students should be using the 'Remote Learning PE' Powerpoint sent to them and on FROG
- You-tube: 30minute HIIT workout, 30minute Meditation or 30minute Zumba workout (Fitness workout's online)
- Running/Walking apps

PE & Dance (GCSE)

Topics

- **Theory: (Paper 1)** The Human body and movement – Physical Training ‘Chapter 3’ – Components of fitness, Training types
- **Theory: (Paper 2)** Socio-cultural influences in Sport – Commercialisation in Sport - Technology in sport, Performance enhancing drugs, Etiquette, Sportsmanship & Gamesmanship, contract to compete
- **Practical:** Theory taught through practical. Training types explored practically.
- **Coursework:** Students are using most of their practical lessons to complete their written NEA coursework. Students are receiving live tutorials, support documents and 1:1 drop-ins if required.

Recommended Resources

- [Everlearner](#) PE platform (students have their own login’s)
- [GCSE PE Bitesize](#)
- [BBC Sport](#) Sporting current affairs and contemporary issues

Physics

Topics

- Magnetism & the Motor Effect (topic 12), including:
 - Magnetic fields & solenoids
 - The motor effect & motors
- Electromagnetic induction (topic 13), including:
 - Generators
 - Transformers & the National Grid
- Particles & matter (topics 14/14), including:
 - Density & upthrust
 - Pressure & gas pressure
 - Temperature & absolute zero

Recommended Resources

- A huge array of helpful resources & links can be found on the GCSE Physics FROG page:
 - The ‘home’ tab has links to BBC Bitesize, the IOP, Physics & Maths tutor and many other good websites, plus access to topic checklists and other revision resources.
 - The ‘learn’ tab includes video links for each specification point of each topic, plus our usual in school lesson resources,
 - The ‘school closure’ tab is where all remote lessons can be found, including links to pre-recorded videos of these if a student is absent.
- Students also have access to the textbook online plus interactive activities through ActiveLearn.
- Seneca learning is an excellent resource to revise the basics for each topic. Search for ‘Edexcel Physics GCSE Higher’ to find content specific to our specification.
- It is also worth keeping an eye on BBC2 between 1 & 3 pm each day, which is showing many excellent science documentaries and programmes. These are also available at any time on BBC iPlayer.

Psychology

Topics

- Topic 8 (Psychological Problems) – Last topic to cover in the specification.

Key features:

- **An introduction to mental health:** Characteristics of mental health; how incidences of mental health problems have changed over time and cultures; effects of mental health problems on individuals and society.
- **Depression:** Characteristics of depression; How we classify and diagnose depression; biological and psychological explanation of depression; biological and psychological treatments for depression.
- **Addiction:** Characteristics of addiction; How we classify and diagnose addiction; biological and psychological explanation of addiction; biological and psychological treatments for addiction.
- **Key studies:** Wiles' study of the effectiveness of CBT and Kaij's twin study of alcohol abuse.

Recommended Resources

- [Tutor2u](#) is generally more for A-Level than GCSE but some overlap.
- [Simply Psychology](#) is generally more for A-Level than GCSE but some overlap.
- [Psychology Wizard](#) is generally more for A-Level than GCSE but some overlap.
- [Digital Illuminate E-Book](#) online access to the text-book used in class.
- [CrashCourse Youtube](#) has some relevant videos.
- Psychology GCSE Frog site has a lot of revision resources.

Spanish

Students are currently revising school and jobs including:

- Description of studies
- Talking about your school
- Talking about school rules and uniform
- Talking about the good and bad aspects of school
- Choices at 18 work or university?
- Talking about the benefits of Higher Education
- Looking for and applying for jobs
- Talking about your ideal job

In addition, some of the grammar topics studied include the present subjunctive, present, past and future revision, *lo que* and *lo*, studying suffixes to help with understanding English equivalent. They are also completing a series of Exam Type Questions and Exercises.

Recommended Resources

Vocabulary Express (use your username and password to access this go to learn vocabulary and complete all of the exercises for both Foundation and Higher GCSE)

<https://vocabexpress.com/login>

Kerboodle (focus on interactive activities for each of the units covered and mini readers)

<https://kerboodle.com>

Seneca (go to student access/GCSE/Spanish GCSE)

<https://senecalearning.com/en-GB/>

Conjuguemos (go to library/Spanish and select any of the verbs, grammar or listening exercises. Focus on regular verbs initially, then move onto more challenging exercises)

<https://conjuguemos.com>

BBC Bitesize (select Spanish GCSE, lots of games and fun activities to learn)

<https://www.bbc.co.uk/bitesize>

Theology and Philosophy

Topics

This term Year 11 are concluding their study of Buddhism. They have recently completed the first three topics within Buddhism in which they looked at key Buddhist beliefs and teachings, Buddhist attitudes towards Crime and Punishment, and Living the Buddhist Life. They will now be moving onto 'Peace and Conflict' which looks at key Buddhist beliefs about whether or not war can be justified. Throughout the topic they will look at the following:

- Peace
- Conflict
- Pacifism
- Just war theory
- War
- Weapons of Mass Destruction
- Responses to Conflict

Once they have completed this content students will begin their revision; looking at both Christianity and Buddhism. Students will be given revision workbooks to complete and then will focus on exam technique and practise questions for each topic.

Recommended Resources

BBC Bitesize - <https://www.bbc.co.uk/bitesize/topics/zmdfqp3> - a helpful website which provides an overview of the different beliefs and practises of Christianity and Buddhism.

TrueTube – videos exploring some key Christian ideas and interviews with practicing Christians. [Award winning free resources for RE, PSHE and Citizenship \(truetube.co.uk\)](https://www.truetube.co.uk)

TrueTube – videos exploring some key Buddhist ideas and interviews with practicing Buddhists. [Award winning free resources for RE, PSHE and Citizenship \(truetube.co.uk\)](https://www.truetube.co.uk)

Philosophy Foundation – some P4C style questions to keep the philosophical mind occupied
<https://www.philosophy-foundation.org/enquiries/age:39>