

Year 8 Spring 1 Lockdown Curriculum 2021

Art

Topics

- Completing a sustained self-portrait – learning how to draw the face in proportion and using tone and texture to create realism
- Colour mixing – using colour pencil mixing & blending techniques to create a wide range of flesh tones
- Exploring the work of portrait artists Jonathan Yeo and Adrian Brandon to inspire and develop ideas for further sustained outcomes

Recommended Resources

- Whilst the National Portrait Gallery is currently closed, students can view the wide collection of portraits through virtual tours online. There is also the Family Activities: Playful Portraits page for all to enjoy as well as the opportunity to tour the virtual Taylor Wessing Photographic Portrait Prize.
- Helpful videos can be found on the 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

Computing

Topics

Student will cover Python programming aspect. Topics covered each lesson will be:

- Raw inputs and variables
- Mathematical operators and Comments
- Selection statements
- Accumulation
- Iteration

Student will be expected to create their own piece of code using tasks set each lesson.

Recommended resources

<https://www.w3schools.com/python/> - Excellent Python tutorials with lots of examples of how to use Python and exercised to practice.

<https://www.codecademy.com/learn/learn-python-3> this will help develop student's coding knowledge further

<https://www.bbc.co.uk/bitesize/subjects/zvc9g6f-> excellent website that is tailored to KS3 curriculum

<https://www.programiz.com/python-programming/online-compiler/> online coding platform for Python

Design and Technology (Food, RM, and Textiles)

Food topics:

- Introduction to the course. Exploring why we eat food and how important the relationship is between diet and health. Pasta bake practical demonstration. Explanation of gelatinisation.
- Learning about religious dietary laws. Exploring the reasons why people choose to have a vegetarian diet. Optional practical homework - vegetarian wraps.

- Cookies practical cook along. Understanding the importance of consistency and accuracy in cooking. Using year 8 booklet to analyse the practical recipe and suggest healthier modifications.

Recommended Resources

<https://www.foodafactoflife.org.uk/>

<https://www.nutrition.org.uk/>

<https://www.bbc.co.uk/bitesize/guides/zdr8y9q/revision/4>

RM topics: materials (plastic, woods), mechanisms, drawing techniques (isometric, orthographic), CAD, sustainability, typography?

- DV mini challenge- creativity, responding to a brief, sustainability
- Tea bag challenge
- Smart material activity
- Furniture designer
- Research project. Inside the Factory. BBC I player.
- Typography task – create your own font
- Chindogu design

Textiles topics:

Please note students have a double lesson every other week.

- Exploring Fabrics and Fibres: Natural and synthetic fibres.
- Investigating Textile designers and creating a repeat pattern practical task.
- Designing through modelling practical task. Understanding scale and proportion.

Recommended Resources

An article discussing the future of fabrics and fibres: <https://www.bbc.co.uk/news/business-49550263>

Drama

Topics

- Introducing “Storytelling” techniques in Drama
- Analysing character, theme and morals in various stories from around the world as stimulus material

Recommended Resources

- TED talk on the “hero” in any story:
https://www.ted.com/talks/matthew_winkler_what_makes_a_hero/transcript
- BBC Bitesize: Explorative techniques (specifically page 8)
<https://www.bbc.co.uk/bitesize/guides/zxpc2hv/revision/7>
- A collection of stories from around the world <https://worldstories.org.uk/library>

English

Structural features (Short Stories)

Topics

- Types of narrative perspective
- Identification of the focus and shifts in focus within a text
- The impact of a single sentence paragraph within the context of the text as a whole
- How authors create a cyclical structure in their stories

- How to write an inferential summary of a text

Recommended Resources

- <https://www.bbc.co.uk/bitesize/guides/ztxbr82/revision/1>
- A really helpful resource that gives students more information about structure with more examples of a range of both fiction and non-fiction texts
- <https://theshortstory.co.uk/resources/free-short-stories/> A wealth of additional short stories that students could read. They can practise identifying the features covered in class.

French

Students are studying vocabulary and structures related to days out and holidays, in particular:

- Places of cultural and historical interest in France
- Leisure activities
- Transport
- Revision of Present, future and past tense with *avoir*
- Introduction of past tense with *être*
- Opinions, particularly in the past
- Strategies to support reading comprehension

At the end of the half-term they will complete a vocabulary quiz and translation assessment on the topic of holidays.

Recommended Resources

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

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

Education.vic.gov (for interactive activities and worksheets to support class learning)

<https://www.education.vic.gov.au/languagesonline/french/french.htm>

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

Coasts and Oceans

This half term year 8 Geographers will be starting to think about the importance of coasts and oceans, gaining an understanding of coastal landscapes and processes that happen in coastal areas as well as the main landforms and features we find there.

Lessons	Main aims and content	Wider reading and further resources
Introduction to coasts and oceans	Students think about the importance of	David Attenborough's Blue planet and Blue Planet 2 are great introductions to the importance of oceans as ecosystems.

	the coast for humans and the environment.	https://www.bbc.co.uk/programmes/b008044n
How do waves erode the coast?	Students learn about the main types of erosion and the impact this will have on the coastline.	BBC bitesize has some great information and quizzes on different types of erosion. https://www.bbc.co.uk/bitesize/guides/z3ndmp3/revision/2
What landforms are created by erosion?	Students learn about the formation of features such as bays and headlands, caves arches stacks and stumps.	The oak national academy has got some great resources on landscapes of erosion https://classroom.thenational.academy/lessons/how-do-headlands-and-bays-form-cnh32c
What landforms are created by deposition	Students learn how features such as beaches, bars and spits are formed.	The oak national academy's lesson on how spits form also has good information. https://classroom.thenational.academy/lessons/how-do-spits-form-6cr34t
How can we use maps to investigate the coast?	Students will use OS maps to identify coastal features.	Students can explore OS maps of the UK's coastline using bing maps on ordnance survey mode to explore coastal features in different places around the UK. https://www.bing.com/maps
What are coastal habitats like in the UK?	Students investigate the UK's coastal habitats- saltmarshes and sand dunes	Students can read more about how sand dunes and saltmarshes might be threatened in the UK here: https://www.bbc.co.uk/news/uk-england-44808202 https://www.wildlifetrusts.org/habitats/coastal/sand-dunes

German

What?	<p>Talk about going to the cinema, make excuses, use modal verbs, buy tickets at the cinema</p> <p>Present tense of 6 modal verbs in all forms Difference between muss nicht/ darf nicht Word order with modals and connectives Give opinions about (types of) films, books and TV and a brief description of the plot Relative pronouns</p> <p>Say what there is to see and do where they live, describe their town using 3 tenses Es gibt + Acc (also negative) Es gab/ hatte/ war Als ich jünger war... Present tense with a future meaning</p>
Recommend	<p>Quizlet website for all vocabulary: Easy German channel on YouTube; short entertaining videos about aspects of life in Germany Kiraka News for young people to read and listen</p>

History

- **Topics**
- Mughal Empire
 - Empires of the sixteenth century
 - Akbar the Great
 - Other Mughal rulers
- Transatlantic Slavery
 - West Africa in the 1600s
 - The beginnings of the slave trade
 - Middle Passage
 - Zong ship
 - Life on the Plantations
 - Abolition
 - Empire and Trade

Recommended Resources

- A helpful range of resources can be found on Frog
- BBC Bitesize History KS3
- The Victoria and Albert Museum has a collection of Mughal Art which can be explored on their website <http://www.vam.ac.uk/page/m/mughal-empire/> . There are several interesting articles here.

Maths

Topics

- Indices
 - Laws of indices (multiplying, dividing, brackets)
 - To the power of 0
 - Solving equations with indices
- Standard form
 - Converting numbers into standard form
 - Converting numbers from standard form
 - Standard form with a calculator
- Enlargement
 - Enlarging a shape
 - Enlarging a shape with a centre of enlargement
 - Describing an enlargement
- Factorising
 - Factorising single brackets
 - Factorising single brackets with powers
- Algebraic Fractions
 - Fractions with all 4 operations
 - Algebraic fractions with all 4 operations (single term only)
 - Equations involving fractions

Highly Recommended Resources: · Hegarty Maths www.hegartymaths.com

- Students login with their name and DOB
- Videos and interactive quizzes for all topics. · My Maths www.mymaths.co.uk
- School login: wallington, School password: triangle
- Students have individual logins (check with class teacher if unsure)
- Click through lessons and online tasks for all topics.

- 8H and 9H Textbooks available on Frog.

Other recommended resources

- UKMT Junior Maths Challenge www.ukmt.org.uk/competitions/solo/junior-mathematical-challenge/archive
- For extra challenge and problem solving

Music

Topics

- Form and structure texture and instrumentation
- classical music
- composing
- How and why music has different structures
- Classical period- composers, pieces, genres
- Composing; chords and cadences, question and answer phrases, ternary form

Recommended Resources

- Naxos MusicBox is currently free for all individual schools until 12 February. See our February (published end of Jan) for a full review. Contact Julian Edwards directly on jedwards@naxosmusic.co.uk for access.
- ABRSM has a Play On page specifically created during the pandemic. It's filled with lots of useful resources for teachers and parents, including a new weekly session with a musician (Thursday, 4pm).
- BBC Teach – free online resources for a range of subjects. The BBC is also providing education for children through its TV channels as of Monday 11th January.
- Showcase Music School runs a free Virtual Youth Orchestra each week. Sign up and access the music here. The school also runs Sing With Us – a free weekly virtual singing assembly from 9.10-9.30am on Wednesdays.
- Yolanda Brown's website includes free YouTube videos of singles from her upcoming album. Check out our February issue for a full interview with Yolanda.
- Yolanda Brown has also announced that her bespoke music learning resources will now be free for all children. They can be downloaded here.
- The Benedetti Foundation has a YouTube playlist of 'General Musicianship Warm Ups' for children to try at home.
- The Royal Philharmonic Orchestra has recorded a virtual performance of The Young Person's Guide to the Orchestra. It's available on YouTube.
- Young Voices have a YouTube channel. They are also offering a free online music lesson on Thursday 7th at 11am, which will then be available to view afterwards.
- Oxford Philharmonic Orchestra created OP at Home during the first lockdown. The series for children features orchestra members recording themselves from home, with some themed episodes. The full playlist is available on YouTube.
- The School Musicals Co is offering a range of songs and scenes, monologues and duologues from some of their musicals for free. They can be downloaded and sung at home.
- The New London Orchestra has put together a series of short (3.5 minute) videos introducing students to standard orchestral instruments. They are aimed at KS3 but would be suitable for other ages too.
- The London Symphony Orchestra (LSO) have created a range of digital activities for schools, young people and families, differentiated by Key Stage and age.
- Beat Goes On run by Ollie Tunmer has a YouTube page full of free educational videos for teaching children about music and percussion.
- Education and Bass is offering free online beginner production and DJ courses for students aged 7-16. Email edu@educationandbass.online to sign up.
- I Can Compose has an inspiration page of free resources, as well as a few free courses.

PE and Dance

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 and Skill Challenges/Work-outs: Students provided with a 21 page document outlining a range of physical and skill based work-outs and challenges.

Recommended Resources

- Students should be using the 'Remote Learning PE Challenges' power point sent to them and on FROG

Science

Topics

- L6- food chains
- L7- more food chains and bioaccumulation
- L8 Pyramids
- L9 Decomposer
- L10 MA2 AND review and reflect
- Biology C- L1 respiration
- L10 MA2 AND review and reflect
- Biology C- L1 respiration
- Biology C- L2 the heart
- Biology C- L3 The human circulatory system
- Biology C- L4 - The skeleton system
- Biology C- L5 The nervous system

Recommended Resources

All PPT's and some textbooks can be found on FROG → ks3 science → remote learning

<http://www.s-cool.co.uk/>

<http://www.s-cool.co.uk/gcse/biology>

<http://www.bbc.co.uk/education/subjects/z4882hv>

<http://www.bbc.co.uk/education/subjects/zpm6fg8>

<https://royalsociety.org/journals/>

<http://www.sciencepass.com/2010/04/useful-scientific-terms-and-their.html#.WWNcTYTyu7Q>

<http://www.educationquizzes.com/ks3/science/>

- Biology for You - National Curriculum Edition for GCSE: National for GCSE ISBN-10: 0748762329
- KS3 Biology Study & Question Book – Higher- ISBN-10: 178294110X
- KS3 Biology Workbook - Higher: Life Processes and Living Things Workbook- ISBN-10: 1841466395
- KS3 Science Complete Coursebook (Letts KS3 Revision Success)- ISBN-10: 1844197654
- KS3 Science All-in-One Revision and Practice (Collins KS3 Revision)- ISBN-10: 0007562837

Spanish

Students are studying vocabulary and structures related to holidays, in particular:

- Places of interest in a town
- Leisure activities
- Transport

- Preterite tense
- Imperfect tense
- Opinions, particularly in the past
- Key impersonal verbs such as *se puede* and *se debe*.

At the end of the term they will complete a Foundation Listening and Reading Paper on the topic of holidays.

Recommended Resources

Seneca (go to access student tab /KS3/Spanish KS3)

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

Languages online (go to español 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/Spanish and select any of the verbs, grammar or listening exercises. Focus on regular present, past and future tenses)

<https://conjuguemos.com>

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

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

Theology and Philosophy

Topics

This term year 8 have begun to explore Buddhism. Building from their knowledge of Hinduism gained last term they are now focusing on the last of the major religions they study at KS3. When studying Buddhism they will look at:

- An Introduction to Buddhism
- Life, death and re-birth
- The life of Siddhartha Gautama
- Four Noble Truths
- The Noble Eightfold Path
- The Five moral precepts.

Recommend Resources

BBC Bitesize <https://www.bbc.co.uk/bitesize/subjects/zh3rkqt> - a helpful website which provides an overview of the different beliefs and practises of each of the Abrahamic faiths.

Truetube <https://www.truetube.co.uk/list?topics=central%20beliefs&page=1&> a website with videos on each of the different faiths, including core beliefs and attitudes to things such as marriage and politics. The Alien Abduction videos are particularly helpful for providing an overview on the core beliefs and practises of each of the different religions.

Philosophy Files This book highly stimulating and especially relevant as students move into the more philosophical territory of year 9: <https://www.amazon.co.uk/Complete-Philosophy-Files-Stephen-Law/dp/1444003348>

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

