



CARLETON
HIGH SCHOOL

Summer Activities



Maths

Key Stage 3

Transum Maths Map is a tool designed for Secondary School students to find activities to support your learning. Choose a topic by clicking on any of the hexagons. You will be able to answer the quizzes and obtain feedback straight away. The topics are Number, Ratio, Probability, Algebra, Statistics and Other. Please have a go at any during the summer holidays.

http://www.transum.com/Software/Maths_Map/

Why not try something different, a **Mathematics lesson starter** for each day of the year designed to engage learners with a range of puzzles, exercises and creative ideas. Click on a date in the calendar below for the Starter Of The Day.

https://www.transum.org/Software/SW/Starter_of_the_day/

Key Stage 4

Try one of your five a day in preparation for your GCSEs!! You can start at any month.

Numeracy 5 a day: designed for students aiming for Grades 1, 2 and 3.

Foundation: designed for students aiming for Grades 3 and 4.

Foundation Plus: designed for students aiming for Grades 4, 5 and 6.

Higher: designed for students aiming for Grades 6 and 7.

Higher Plus: designed this is for students aiming for Grades 8 and 9.

<https://corbettmaths.com/5-a-day/gcse/>

Exam Papers Practice

Remember our **exam board is OCR**. Please use the below link to allow you to answer past paper questions during your summer holidays. All mark schemes are attached so you can always check your answers. There are three papers for each tier, Foundation and Higher. Paper 2 (Foundation) and Paper 5 (Higher) are the only Non-calculator papers. Good luck all!!

<https://www.mathsgenie.co.uk/OCRpapers.html>



English

Key Stage 3

Take your time to catch up with some reading with our **50 Big Reads**:

| | | |
|--|--|--|
| <p>His Dark Materials - Philip Pullman Treasure Island - Robert Louis Stevenson The Harry Potter series - JK Rowling Noughts and Crosses - Malorie Blackman To Kill a Mockingbird - Harper Lee The Diary of a Young Girl - Anne Frank The Hunger Games - Suzanne Collins Refugee Boy - Benjamin Zephaniah Good Omens - Terry Pratchett and Neil Gaiman The Hound of the Baskervilles - Arthur Conan Doyle The Lion, the Witch and the Wardrobe - CS Lewis White Fang - Jack London The 5th Wave - Rick Yancey Artemis Fowl - Eoin Colfer The Fault in Our Stars - John Green The Hitchhiker's Guide to the Galaxy - Douglas Adams</p> | <p>A Wrinkle in Time - Madeleine L'Engle Danny The Champion of the World - Roald Dahl Divergent - Veronica Roth The Wind in the Willows - Kenneth Grahame A Christmas Carol - Charles Dickens The Hobbit - JRR Tolkien The Enemy - Charlie Higson The Lord of the Rings - JRR Tolkien Alice's Adventures in Wonderland - Lewis Carroll Watership Down - Richard Adams Holes - Louis Sachar The Count of Monte Cristo - Alexandre Dumas Animal Farm - George Orwell The Secret Garden - Frances Hodgson Burnett Clay - David Almond The Jungle Book – Rudyard Kipling</p> | <p>Swallows and Amazons - Arthur Ransome Black Beauty - Anna Sewell Mort - Terry Pratchett Hetty Feather – Jacqueline Wilson The Railway Children – Edith Nesbit Magician - Raymond E Feist Wonder - RJ Palacio The Story of the Treasure Seekers – Edith Nesbit Pig Heart Boy - Malorie Blackman The Book Thief - Marcus Zusak Percy Jackson and the Lightning Thief - Rick Riordan The Coral Island - RM Ballantyne I'm the King of the Castle - Susan Hill The Woman in Black - Susan Hill Z for Zachariah - Robert O'Brien Skellig - David Almond Peter Pan - JM Barrie Skulduggery Pleasant - Derek Landy</p> |
|--|--|--|

If you fancy a bit of creative writing, why not dip into the Grimm & Co activities here: <https://grimmandco.co.uk/activities>

There are also some great resources and competitions on the National Literacy Trust website here: <https://literacytrust.org.uk/family-zone/zone-in/>

Key Stage 4

We study the following texts at GCSE:

- An Inspector Calls
- Macbeth
- Dr Jekyll & Mr Hyde
- Power & Conflict Poetry

To help you revise the story and staging of Macbeth, please check out the National Theatre's live version:

Step 1: Copy and paste the following URL into your chosen browser <https://www.dramaonlinelibrary.com/plays/macbeth-nt-iid-190520>

Step 2: Click on the orange 'Play Video' button

Step 3: Fill in the login details using the information below –

Username: 4Q5)4Xt!n% **Password:** 8Hdm4Bd(c)

You could also try the following websites to help you brush up on your skills in readiness for September:

- <https://www.gcsepod.com/> - you will need your login details for this one.
- <https://www.bbc.co.uk/bitesize/examspecs/zxqncwx> - here you will find revision lessons, videos and tests on all of our Literature texts.
- <https://revisionworld.com/a2-level-level-revision/english-literature-gcse-level/english-literature>

Revision guides to buy can be found here: <https://collins.co.uk/collections/collins-snap-revision>.



Science

Key Stage 3

<https://www.rspb.org.uk/fun-and-learning/>

Summer can be a great time for spending time in your garden or outside in nature. Why not try some fun activities whilst you are enjoying the Great British outdoors. The RSPB have put together a great set of activities with full instructions and images to support you in your construction, creating and learning.

Some of the activities include:

- Make a mini pond
- Build a mini beast hotel
- Wild challenge
- Wild sleepout

If you want to test your knowledge and work on that retrieval then why not try Kuizical: <http://kuizical.com/>
Just select Key Stage 3, the topic you want to practice and then the number of questions.

Key Stage 4

Our exam board at GCSE is AQA and the majority of you will study Combined Science: Trilogy. You study Biology, Chemistry and Physics across Year 10 and 11. To prepare yourself for September why not try out some of these websites so you can smash it in September.

- To your required practicals knowledge watch these great playlists on YouTube:
<https://www.youtube.com/c/MalmesburyEducation/playlists>
- To really embed that knowledge across Biology, Chemistry and Physics revise and quiz yourself on BBC Bitesize:
<https://www.bbc.co.uk/bitesize/examspecs/z8r997h>
- To practice your retrieval of knowledge across Biology, Chemistry and Physics try Kuizical:
<http://kuizical.com/>
Just select AQA Biology, Chemistry or Physics (or all of them), the topics you want to practice and then the number of questions.



MFL

Not going on holiday abroad this year ?

Don't worry, let Señora Romero take you on a virtual tour of Barcelona to see some iconic buildings!!

Virtual tours Barcelona, Gaudi Architecture

<https://www.casabatlo.es/en/virtual-tour/>

<https://sagradafamilia.org/en/virtual-tour>

<https://www.lapedrera.com/visita-virtual/>

Or if you prefer France, let Mademoiselle Ainley take you to the Eiffel tower!

link to Eiffel tower

<https://www.tou Eiffel.paris/en>

Virtual tour of the Eiffel tower

<https://www.youtube.com/watch?v=HN ApxhvK1Hg>

Feeling creative? Then why don't you have a go at this?

Tutorial to how to draw the Eiffel tower

https://www.youtube.com/watch?v=l2Int0q4uxY&feature=emb_logo

You can also have a go at these delicious recipes to bring some foreign cuisine to your home!

Bon appetit! ¡Qué aproveche!

<https://www.annabelkarmel.com/recipes/spanish-omelette/>

<https://www.healthylittlefoodies.com/spanish-omelette/>

<https://www.delscookingtwist.com/easy-french-crepes/>

<https://www.kidspot.com.au/kitchen/recipes/churros-recipe-chocolate-sauce/9c6azhys>



Music

Key Stage 3

Have a look at this website <https://www.bbc.co.uk/teach/live-lessons/ten-pieces-party-live-lesson>

It contains lots of useful activities linked to what an orchestra is and how music is created.

You can follow the activities by creating rhythms, melodies and watch how an orchestra performs different pieces of music.

You can also have a look at this website which contains online games linked to musical instruments, rhythms, note names and Musical terms. <https://www.musictechteacher.com>

If you have a musical instrument at home, then you could be developing your performance skills.

You could even organise a mini performance for your family to watch.

Key Stage 4

Use the following internet website <https://learningmusic.ableton.com>

Get started | Learning Music (Beta) - Ableton

The website has lots of activities to do with creating rhythms and building songs.

You can create and build a piece of music by mixing and matching musical ideas to make interesting combinations and then changing these combinations over time.

The lessons cover beats, chords, bassline, melodies, song structure and much more.

The website allows to experiment with creating a piece of music. You can even recreate a part of music from some famous popular songs.

If you have an instrument at home, then you could be developing your performance skills.



PE

During your summer break, why don't you have a go at these three activities from the PE department? Get your family and friends involved and have some fun...

7 minute workout



What you need: 1 clock or stopwatch

What to do: complete each exercise for 30 seconds:

- Jog on the spot
- Star jumps
- Lunges
- Tuck jumps
- Press ups
- High knees
- Squats
- Plank
- Burpees
- Side plank
- Mountain climbers
- Side plank on the other side
- Sit ups
- Heel flicks



Blindfold obstacle course



What you need: A blindfold which could be a tea towel or jumper.

People: 2 or more

Play: Inside or outside

How to play:

- Create an obstacle course using whatever you can find e.g. cushions, chairs, clothes horse etc.
- One person begins blindfolded and the other person guides them around the obstacle course.



Cards fitness fun



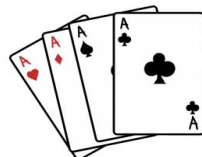
What you need: Pack of cards

People: 1 or more

Play: Inside

How to play:

- Assign each suit to an exercise e.g. clubs are sit ups, spades are burpees, hearts are lunges, diamonds are squats.
- Place all cards face down. Choose a card at random. Complete the number of each exercise for the suit e.g. 10 of diamonds would be 10 squats.
- If a face card is chosen, run on the spot for 30 seconds.
- Complete the pack.



Social Sciences

KS3:

Year 7 – In preparation for Year 8 you are invited to research the theme of human rights. This might involve researching what our basic human rights are, who the United Nations are, or even researching influential people who have fought for human rights (such as Malala Yousafzai or Rosa Parks).

Year 8 – In September we will be studying the events of the Holocaust and the persecution of Jews in Nazi Germany. In preparation for this you could read 'The Boy in the Striped Pyjamas' or 'The Diary of Anne Frank'. Anybody interested in finding out more about religion around the world could watch the documentary series 'The Story of God with Morgan Freeman' on Netflix.

GCSE Citizenship:

Year 9 – In September we will start studying Theme B – Democracy at work in the UK. To prepare for this you should actively be keeping up to date with the news. You should ensure the news you are watching or reading comes from reliable sources... BBC News is usually a good place to start. You could also find out about the Labour and Conservative party policies by researching their manifestos and party pledges from the 2019 election.

Year 10 – Over the summer it is recommended that you start your revision for Year 11. Over the last term you have received PowerPoint slides full of content for Themes A, B & C and have created a set of revision questions with their corresponding answers. You should use these to test your knowledge and then further revise any areas where you have gaps of knowledge or are struggling. In preparation for Theme D, Power and Influence, you could research the role of the European Union and the pros and cons of being a member (linking this to the arguments used to remain or leave in the BREXIT campaign).

GCSE Sociology:

Year 10 – Over the summer it is recommended that you start your revision for Year 11. In preparation for your next module, Crime and Deviance, you could research the UK prison system and how it differs to other prison systems across the world. One good example to compare the UK prison system to is the system in the USA

Vocational Health and Social Care:

Year 9 – In preparation for Year 10 when you will be looking at the topic of life events and how they impact on growth and development there are a few films you could watch that would be interesting for you to view and see how the characters PIES are affected by situations that occur in the film. Films: Wonder, Still Alice, My Sister's Keeper. These are all books too if you would prefer to read them instead.

Year 10 – During the summer you may have the opportunity to learn and perform the role play sent to you by Mrs Parietti on the last week of term. In this you are showing the care values in action. You may prefer to do this at home with parents / carers / siblings etc. rather than in school later in the year. There is no requirement to do this in the holiday and you can do it in Year 11 in school if you prefer.



History

Key Stage 3

Online Museums

If lockdown is making it difficult for you to physically get out and experience history then visit one of these free online museums/exhibits.

British Museum - <https://www.britishmuseum.org/>

The Olympic Museum (TOM) - <https://artsandculture.google.com/partner/the-olympic-museum?hl=en>

The National Museum of Natural History - <https://naturalhistory.si.edu/visit/virtual-tour>

The Louvre - <https://www.youvisit.com/tour/louvre-museum>

BBC Virtual Tours of different time periods - http://www.bbc.co.uk/history/interactive/virtual_tours/#ancient

Army of the Terracotta Soldiers - <https://baike.baidu.com/museum/qinshihuang>

Museo Nacional de Anthropologia - <https://artsandculture.google.com/partner/museo-nacional-de-antropologia-mexico>

Smithsonian National Museum of American History - <https://americanhistory.si.edu/exhibitions/online>

Museum of Flight - <https://www.museumofflight.org/Explore-The-Museum/>

National Women's History Museum - <https://www.womenshistory.org/womens-history/online-exhibits>

Anne Frank House - <https://www.annefrank.org/en/museum/web-and-digital/>

The National Computing Museum - <https://my.matterport.com/show/?m=Vz8kCqGRiQA>

NASA - <https://www.nasa.gov/>

National Museum of African American History and Culture - <https://nmaahc.si.edu/explore/collection>

Key Stage 4

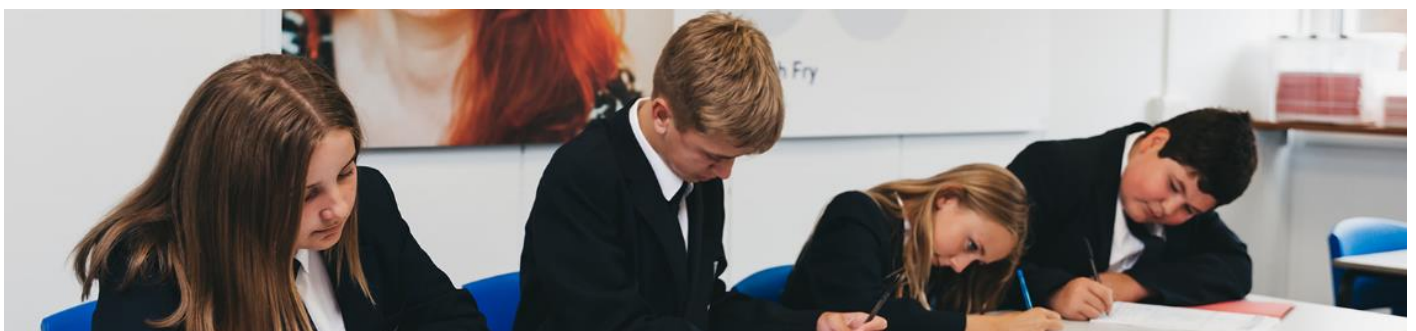
In the Autumn term of Year 11, GCSE History pupils study Civil Rights and the Vietnam War between 1954 and 1975. Below are some films and documentaries that you could watch to help supplement your learning.

The Vietnam War

- **Netflix:** The Vietnam War: a film by Ken Burns and Lynn Novick, documentary, 10 episodes (each 2hr long) This is a fantastic documentary
- **Netflix: Film:** Platoon (1986)- quite hard hitting (certificate 15)
- **Film:** Forrest Gump (1994) (certificate 15)
- **Film:** Good Morning Vietnam (1987)

The Civil Rights Movement

- **Netflix:** Who killed Malcolm X? 5 episodes (each 50 min) documentary
- **Netflix:** 13th – 1 episode (1hr 40) documentary about the lives of black people in the USA
- **Film:** The Butler (2013) Fantastic film!
- **Film:** The Help (2011)
- **Film:** Selma (2014) Great film about the March on Selma
- **Film:** Remember the Titans (2000)
- **YouTube:** Overview video (5 min)- <https://www.youtube.com/watch?v=URxwe6LPvkM>
- **YouTube:** BBC Documentary - The Freedom Riders (2017) (2hr) https://www.youtube.com/watch?v=srlcN1Eo_y8
- **YouTube:** Martin Luther King & Civil Rights of 1968- <https://www.youtube.com/watch?v=t5EW5e86OBc>
- **YouTube:** The Rosa Parks story BBC Teach (10 min) https://www.youtube.com/watch?v=9iQVMWGE3_s
- **YouTube:** Eyes on the Prize, 14 episodes (each 50 min)
- **My5 (channel 5):** The Black Panthers: Vanguard of the revolution, 2 episodes (60 min each) <https://www.my5.tv/black-panthers-vanguard-of-the-revolution/season-1>
- **My5 (channel 5):** Freedom Summer, 1 episode (2hr) <https://www.my5.tv/freedom-summer/season-1/freedom-summer>



Geography

Geography's summer activities are all linked to what you will going on to study in the next school year.

Year 7 – Your first topic in year 8 will be Extreme Environments. One of the environments that we study as part of this is tropical rainforests. You could watch Planet Earth II – episode 3: Jungles to help you prepare for this. It is available to watch in BBC iPlayer.

Year 8 – Your first topic in year 9 will be A Divided World. You will look at development and conflict around the world. Of which the UK plays a key historical role. To help you prepare for this you could watch BBC's Empire, a documentary series presented by Jeremy Paxman which looks at the British Empire. It is available on YouTube. I have included the link to episode 1 - <https://www.youtube.com/watch?v=YfTSUARuwTg>

Year 9 – Your first topic in year 10 will be The Challenges of Natural Hazards. This topic includes tectonic hazards, weather hazards, extreme weather and climate change. To help you prepare for this there is an assignment set on Seneca to introduce you to some of the key concepts and ideas of this topic. You could also watch the BBC Volcano Live series which is available on YouTube, I have included the link to episode 1 - <https://www.youtube.com/watch?v=ksSffm19cvY>

Year 10 – In year 11 we will cover Hot Deserts which is the final part of The Living World topic and our last topic which will be The Changing Economic World. To help you prepare for this there is an assignment set on Seneca to introduce you to some of the key concepts and ideas of these topics. You could also watch Planet Earth II – episode 4: Deserts on BBC iPlayer and Welcome to Lagos documentary series which is available on YouTube, I have included the link to episode 1 - <https://www.youtube.com/watch?v=tKig8j5P13c>



Design and Technology

Engineering

Are you ready for a challenge? Can you skewer a balloon without popping it? Coat a nail in copper? Build a spaghetti bridge? What happens when you plug a clock into a potato?

www.jamesdysonfoundation.co.uk/resources/challenge-cards by visiting this website you can watch clips of real life Dyson engineers (yes the vacuum cleaner) demonstrating some of the challenges. Simply download the free challenge cards, choose a challenge, read the instructions, gather together what you need and have a go.



Food Technology

Head over to www.foodfactoflife.org.uk/recipes for some great practical cooking ideas. The website has a brilliant selection of recipes which support the teaching, learning and handling of a range of ingredients. Choose from a selection of sweet and savoury recipes from classic tomato ragu to raisin and banana cookies.



Explore the website and find lots of activities you can try at home. For example have a go at one of the food science investigations exploring how ingredients work and why, or have a go at exploring how raising agents work by making a cake!

Under the remote learning section of the website you will find a range of home learning activities such as games, quizzes and interactive activities. If you are looking for more recipe and cooking inspiration check out www.bbcgoodfood.com/howto/guide/summer-cook-school for tasty, healthy recipes that will develop your practical skills and increase your ingredients vocabulary.



Art

Key Stage 3

Take a tour in person or virtually to some of the art galleries and museums in the local area. Be inspired by what you see, take photographs, produce a drawing or create a sketchbook/scrap book of your travels/activities. The joy and interest is sometimes in the places and things we see every day. From a walk around Pontefract Park to the history of Pontefract Castle.

Yorkshire Sculpture Park

<https://ysp.org.uk>

The Hepworth Gallery

<https://hepworthwakefield.org>

Leeds City Art Gallery

<https://museumsandgalleries.leeds.gov.uk/leeds-art-gallery>

Or further afield,

The Victoria and Albert Museum

<https://www.vam.ac.uk/>

The National Portrait Gallery

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

The Tate Modern

<https://www.tate.org.uk/visit/tate-modern>

Key Stage 4

Explore and research some of our famous local artists whose work is exhibited in some of the galleries above. They were and are all inspired by the environment and landscapes around them. From the figurative coal miners drawn by Castleford born Henry Moore and Harry Malkin or the sculptures and colourful pattern work paintings inspired by Yorkshire landscapes of Wakefield born Barbara Hepworth. Btec students, take a tour of the YWP and draw the wildlife. Photography students be inspired by your local area and create a sketch book/ journal of your work.



Drama

Summer Activities for all students

Firstly, due to Theatres being closed, The National Theatre are putting a performance on you tube every week. You have a week to watch each one before it changes. If you type in, National Theatre the latest show will pop up and it's free of charge which is brilliant because shows at the National Theatre are very expensive to see. Hope you enjoy them.

Key Stage 3

<https://www.youtube.com/watch?v=x4J487QtUIM> This is a great drama game from the, Drama Menu, which you can do on your own or as a family to help build vocal and physical range, it's fun and creative.

<https://www.youtube.com/watch?v=daz49laCSMo> Another drama game from the, Drama Menu which helps with quick thinking, determination and resilience.

<https://www.bbc.co.uk/bitesize/guides/z2hr7ty/revision/1> This link is if you fancy looking into the genre of, Musical Theatre, how it works and what is required to act, sing and dance in the different types of shows. It shows you how it is create, performed and directed.

Key Stage 4

<https://www.youtube.com/watch?v=l-828KqtTkA&t=47s> This link is a short yet brilliant introduction to Bertolt Brecht showing some wonderful images of previous plays and how he uses his techniques by the National Theatre. You get a true glimpse into how some of his plays were set inside the National Theatre.

https://www.youtube.com/watch?v=Ul_wE953yPQ This link is an enjoyable Film4 Actors on Acting Advice where there are famous awarding winning actresses and actors sharing their thoughts about their craft and what motivates them.

<https://www.youtube.com/watch?v=9JzdIPSdAmE> This link is showing a short physical Theatre piece, a technique which you may want to introduce into your drama in the future, it's a very upbeat performance showing strength, resilience and team work. Incredibly enjoyable and creative piece of theatre.



Other activities to try

Activities to do outside with others:

1. Seize the day! Get up early and watch the sunrise and the day begin.
2. Get cooking and prepare and eat a picnic to enjoy in a new outside space.
3. WWT (Wildfowl and Wetland Trust) have lots of activities about wildlife conservation - https://www.wwt.org.uk/discover-wetlands/home-learning-and-family-fun?gclid=EAlaIQobChMIhp39sr2V6gIVRuztCh08cAMpEAAYAiAAEgLUQ_D_BwE#

Activities to do inside individually:

4. Explore Down Under and take a virtual tour of the Great Barrier Reef <https://www.afar.com/magazine/take-a-virtual-tour-of-the-great-barrier-reef-with-david-attenborough>
5. Explore one of the Seven Wonders and take a virtual tour of the Great Wall of China <https://www.thechinaguide.com/destination/great-wall-of-china>
6. Fancy a trip to Paris? Embrace the culture and have a virtual tour of the Musee d'Orsay <https://artsandculture.google.com/partner/musee-dorsay-paris>
7. From Madrid to Hong Kong – travel further each day and embrace the artistic voice of the new location. Pick a different tour from this comprehensive list. <https://www.timeout.com/travel/virtual-museum-tours>
8. Take a tour of the Sistine Chapel. Why is it so famous? Find out what biblical events the paintings illustrate. <http://www.museivaticani.va/content/museivaticani/en/collezioni/musei/cappella-sistina/tour-virtuale.html>
9. Study one of the paintings in this activity pack. Answer the questions and complete the relevant activities <https://request.org.uk/teachers/teaching-resources/christian-art-photo-and-activity-pack/>
11. Study the history of poetry using this link <https://blog.bookstellyouwhy.com/a-brief-history-of-poetry>
12. Watch, read and listen to stories about the history of art <https://smarthistory.org/introductory-guides-overview/#>
13. Take a free Harvard online course – from web programming to politics, the choice is endless <https://online-learning.harvard.edu/catalog/free> .
14. The RSC exhibition is online this year – it's term time but available afterwards on YouTube: <https://roysociety.org/science-events-and-lectures/2020/summer-science-online/programme/>
15. Science Museum Virtual Tour and Activities - https://www.sciencemuseum.org.uk/?gclid=EAlaIQobChMly-Nr82V6gIVGqd3Ch2mYQS3EAAYASAAEgK64PD_BwE
16. Watch an enchanting fairytale Dance theatre performance by Ballet Lorent <https://www.sadlerswells.com/whats-on/2020/digital-stage-balletlorent-rumpelstiltskin/>

17. Object Trails at the British Museum - Take a virtual tour of the British Museum. Pick whichever object interests you the most and explain why it is important that it is preserved for future generations.

<https://www.britishmuseum.org/visit/object-trails>

18. Watch this video about the myth of Prometheus. According to Greek mythology he created all living things. However, he was then given a cruel punishment for tricking the gods. His story has inspired many pieces of art and literature in the millennia since it was first told. Produce your own piece of creative writing or artwork based on the story.

https://www.youtube.com/watch?v=U_u91SjrEOE&list=PLJicmE8fK0EjW2AVwcSc4NvGyJJaw7bzh&index=5

19. Parliament:

Take virtual tour of Palace of Westminster:

<https://www.parliament.uk/visiting/virtualtour/>

Specifically, '*Woman in Parliament*' - record key facts of how women rights developed – who/what was the most significant?

Activities to do inside with others:

20. Channel your inner chef and prepare and cook a meal for your family – there are lots of ideas here: <https://www.bbc.co.uk/food/recipes> bonus points if you wash up as well!

21. Using the article below, calculate the most expensive club to support – share this information with your family <https://www.bbc.co.uk/news/uk-23723537>

22. Watch some free shows with a friend and take part in the activities. Lots of different music genres are included so there should be something for everyone, whatever your taste!

<https://www.royalalberthall.com/tickets/series/royal-albert-home>

<https://lso.co.uk/whats-on/alwaysplaying.htm> |

https://www.whatsonstage.com/london-theatre/news/stage-shows-musicals-opera-free-stream-online_51198.html

23. Do some kitchen science experiments:

<https://www.science-sparks.com/kitchen-science-round-up/>