



Highworth Warneford School

Year 7-9 Home Learning - Project Activities

To allow all students to keep on top of the work that has been set since lockdown, the final week of Term 5 has been allocated to more project-based activities. The idea is that you choose those activities that you are most interested in and design your own week around these, as well as completing any other work you need to catch up on.

You can choose one or two projects and *really* go for them or do a few more and have more variety in your week. Hopefully, you will enjoy them so much that you will want to continue them into the half-term break. These projects can also be used after the holiday, if you ever run out of work to do.

There is a real mixture of activities – from very practical to very academic with plenty in-between. There is definitely something there for everyone!

Nobody is going to mark or assess what you have done but you can show us what you have done if you want – we're always interested in what you are doing at home!

Here is a suggested schedule but you can obviously adapt it to suit your household routines.

After a good night's sleep and a decent breakfast...

9.00am – 9.30am	Indoor exercise
9.30 am – 10.30 am	Catch-up work (or project work if you've finished everything!)
10.30 am – 11.00 am	Break
11.00 am – 12.00pm	Year 9 core subject work; Year 7/8 project work
12.00pm – 12.30pm	Read
12.30pm- 1.00pm	Lunch
1.00pm – 2.00pm	Project work (Year 9 core subject work if needed)
2.00pm – 2.30pm	Break
2.30pm – 3.30pm	Project work
3.30pm – 4.00pm	Outdoor exercise
4.00pm – 4.30pm	Help around the house

Don't forget that a decent routine will make you feel like you have made good use of each day and will help to keep you happy and healthy. Exercising regularly is really important too!

Subject Area: Art

Who can you show your work to?

Don't forget that Miss Lovatt is collecting examples of art work produced by HWS students during lockdown and putting them on a special Instagram page: elovatt@warnefordschool.org

Land Art



Andy Goldsworthy is a British artist known for his site-specific installations involving natural materials and the passage of time. Have a go at creating your own art installation inspired by the work of Goldsworthy.

You've Got Mail!

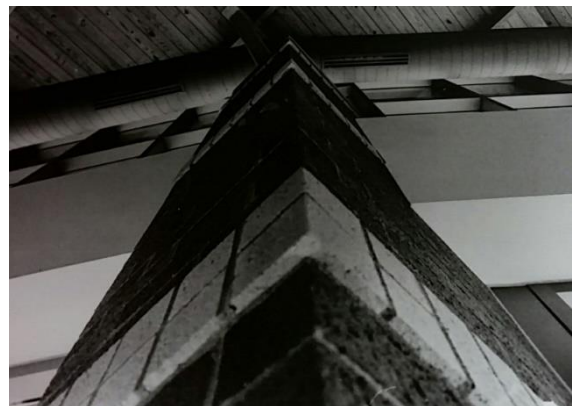


In these times of email and instant messaging, it's really nice to get a real letter come through the letterbox.

Write a short note to a friend, relative, neighbour, NHS worker or teacher, with an illustrated envelope to make it extra-special.

A Different Perspective

You know all about eye level and vanishing points, so why not put your perspective skills to the test and draw an ordinary scene or object from an unusual angle?



Subject Area: Drama

Who can you show your work to?

You can share any videos with your Drama teacher!

Re-enactment



We all have our favourite scenes from a film, play or TV programme. Try to re-enact one of these – learn the lines, get the props and set the scene. One the rest of the family might reluctantly get dragged into! Maybe do it with a friend via Zoom?

Film it for extra pressure. 😊

Watch a Play



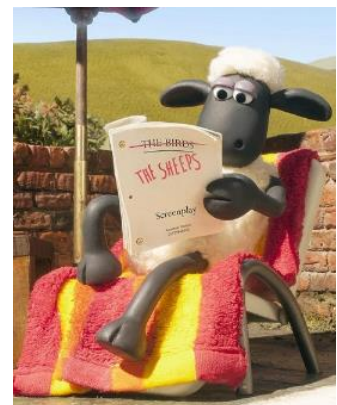
Films are great but there is nothing quite like watching a live performance. Sadly we can't do that at the moment, so how about the next best thing? Here is a link to Macbeth, as seen at the Globe in London. Lots of other plays are being released for free like this – do a search.

<https://is.gd/cSumit>

Actively Watch a Film

We love plays but we also love film. IntoFilm are an organisation that helps young people to experience film creatively rather than passively. They recently announced their [50 Film Guides](#) with different activities and ideas.

You could also enter their film review competition [here](#).



Subject Area: Music

Who can you show your work to?

Mr Hanson and Mr Burt are always keen to know what you're doing!

Air Guitar



Get out your air guitar and sing along to your favourite songs, loud and proud! You'll need to learn the lyrics off-by-heart and make sure your moves match the music. The more embarrassing the better.

Film it if you dare!

Make your own Radio Advert



Create your own 30-second advert for a product of your choice (hand sanitiser? toilet rolls? Netflix?). You can sing, rap, use a backing track, play a tune on an instrument or hit some saucepans. Whatever works!

You might also want to use software like Garageband (Apple) or Musescore (free online!)

Song Makeover

Take an existing song that you know and re-write the lyrics – you could encourage people to wash their hands or just turn them into something silly. Record yourself and send it in!

Here's an excellent example:

<https://youtu.be/GCS0vploxM>



Subject Area: DT

Who can you show your work to?

Send any pictures to Mrs Airey or Miss Gardiner!

Catwalk Photoshoot



Using inspiration from a fashion designer of your choice recreate an outfit using what you can find at home and do a photo shoot of your creations.

This doesn't need to include any sewing but your parents might let you alter some old clothes if you ask nicely!

Food Glorious Food



Choose a country (perhaps one you have visited or would like to go to) and research one of their national dishes.

Find out about the history of the dish, how it has changed or been adapted over the years. Any surprising facts?

Are you able to recreate the dish?

Geodesic Dome

The brief

Using jelly sweets and cocktail sticks, make your own geodesic dome.

The method

Follow steps 1 – 6 in the diagram below.

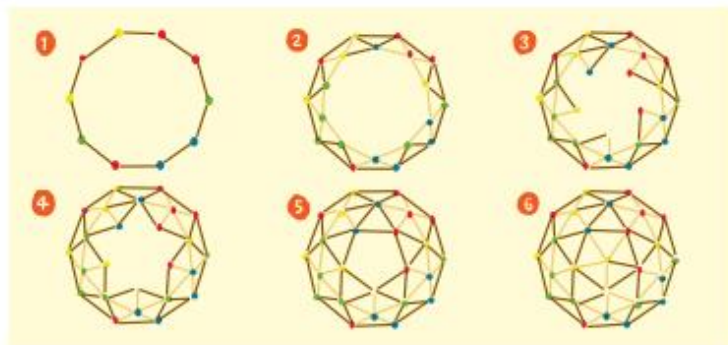
Key for cocktail sticks: — 60mm — 54mm

Materials

Cocktail sticks: 35 at 60mm long and 30 cut down to 54mm long

Jelly sweets

Scissors (with adult supervision)



Try this challenge set by the James Dyson Foundation. It will only work if you get the lengths of the cocktail sticks just right.

What can you find out about Geodesic Domes? Why are they so important?

For more challenges like this go to:

www.jamesdysonfoundation.co.uk/

Subject Area: PSHE

Who can you show your work to?

You can share any thoughts with Mrs Davies, as well as ask her any questions afterwards

Smashed Online



You must speak to your parents before starting this activity. It is entirely age-appropriate but they need to decide whether they want you to take part.

www.smashed-online.com

Smashed Online is dedicated to:

Increasing knowledge and understanding of the effects of underage drinking

Helping young people understand social influences that may cause underage drinking, particularly peer pressure

Promoting healthy lifestyles, healthy relationships, and informed decision making

Keep safe!

Keep healthy!

Keep happy!

Subject Area: MFL

Who can you show your work to?

Why not send an email written in French or German to tell your teacher which projects you have chosen?

Learn a New Language



Meet Duo the owl who will help you to improve your language skills in a fun way!

Duolingo is a completely free app for your phone (or access online). Brush up on your French or German or pick something completely new like Swedish or Klingon.

Qapla'!

Guess Who!



Write a description of a famous person in either French or German. How old are they? What do they do? Can you describe how they look?

Do several people and turn it into a party game.

Send it to Mr Steele and see if he can figure out who you are referring to!

Subtitles

Watch a film and either:

1. Switch the language to French/German with English subtitles or...
2. Get the sound in English and put French/German subtitles on

This is a great way of improving your language skills without even trying!



Subject Area: Geography

Who can you show your work to?

Miss Heard would love to hear from you!

Earthquake Proof!



There are parts of the world that regularly have earthquakes – can you find out where?

Your task is to design an earthquake-proof building.

Think about all aspects of your project, including the different materials you are using.

This will need some careful research to ensure it works!

Climate Change



Lots of people are happy with the impact the lockdown has had on the environment – less pollution from cars and factories for instance. However, there is no doubt that we still need to do lots to tackle climate change.

Watch this excellent documentary:

www.bbc.co.uk/iplayer/episode/m00049b1/climate-change-the-facts

How Strong is the Sun?

I was going to ask you to make a rain gauge but the weather forecast looks far too good.

Instead, follow these instructions to measure the strength of the sun at different times of the day with a toilet roll!

www.bbc.co.uk/bitesize/topics/z8c9q6f/articles/zxcn8mn



Subject Area: History

Who can you show your work to?

Your History teacher can look at your diary entries.

Slavery



From about 1620, people were taken from Africa to places such as America and the Caribbean. Here they were forced to work for no pay and lived in sometimes horrendous conditions.

If they ever tried to leave they were punished very badly.

This lasted for over 200 years.

Your task is to write a diary entry from a slave's perspective about life on a plantation (similar to a farm).

Discuss some of the following things:

- Work in the fields
- Living conditions
- Free time

One of the most famous slaves was Harriet Tubman. Watch the video to see what *her* life was like:

www.youtube.com/watch?v=PVI-JNa9Cu8

In your opinion, how could slavery have ever been allowed to happen? Use your skills as a History detective to research that question.

Lucky Dip

We are lucky to be able access hundreds of amazing History documentaries on the BBC iPlayer.

You could go for some VE Day linked programmes:

- VE Day 75 – The Announcement of Victory
- Horrible Histories Series 8 Episode 9
- Tankies: Tank Heroes of World War 2

...or try something else that takes your fancy.



BONUS ACTIVITY – Why not make a time capsule to show what being in lockdown has been like? Bury it and dig it up with your children in 25 years. That's history in action!

Subject Area: Religion, Philosophy & Ethics

Who can you show your work to?

Mrs Niazi

Your Journey



Hajj is a special journey that Muslims try to make at least once in their lifetime.

They travel to places that are important in the life of Prophet Muhammad and other prophets.

Whilst there, Muslims take part in different activities.

Imagine lockdown is over and you can go wherever you want and do whatever you want.

Create your own journey to a place (or places) of importance to you.

You really can go anywhere, with anyone and do anything!

Why are these things important to you?

Animals

Does it matter how we treat animals?

Make a list of uses of animals that you think are acceptable and those that are not.

Do you think everyone will agree with your list?

Do your family agree?

What about people of a different age? Have things changed over time?

What about people who live in different countries or have different religions?

Do some research to find out more about this subject!



Subject Area: English

Who can you show your work to?

Your English teacher!

Scrambled Endings



Take your favourite book, play or film and write a completely different ending to it.

Make sure that it still fits with the rest of what happened previously.

Sometimes, films or TV programmes are made with several different endings, so even the cast and crew don't know what is going to happen!

Traditional Tales



Take a traditional story and re-write the whole thing from another point of view.

For example, you could write the story of the Wolf in The Three Little Pigs. What really happened from his point of view?

This has been done successfully many times. Maleficent is one film example.

Opening Lines

Use an opening line generator such as

www.plot-generator.org.uk/opening-line/

and continue to write a story or poem from that random starting point!

Alternatively, use a famous opening line from a book or poem and do your own thing!

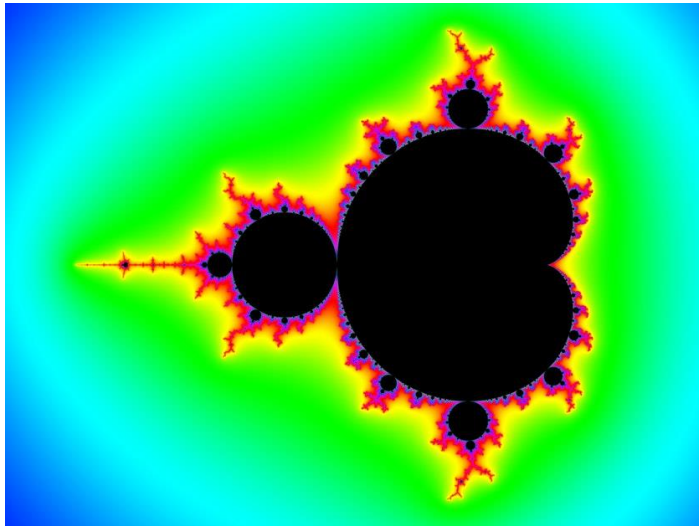


Subject Area: Maths

Who can you show your work to?

Your Maths teacher!

Fractal Fun



Fractals are infinitely complex patterns that are self-similar across different scales. This means that if you zoom in on part of a fractal, it looks exactly the same!

Fractals follow fairly simple mathematical rules and certain features of fractals can be seen in nature.

Find out more about these fascinating and beautiful objects. These websites are a good starting point and have lots of information and/or activities:

www.fractalfoundation.org

www.thescienceexplorer.com/nature/8-stunning-fractals-found-nature

www.transum.org/Maths/Activity/Fractal/Mosaic.asp

<http://usefuljs.net/fractals/index.html>

Riddle Me This

You have a basket containing ten apples. You have ten friends, who each want an apple. You give each of your friends one apple.

Now all your friends have one apple each, yet there is an apple remaining in the basket.

How?

For the answer and lots more puzzles like this one, go to

www.mathsisfun.com/puzzles/logic-puzzles-index.html



Subject Area: Science

Who can you show your work to?

Your Science teacher!

Everyone Loves Experiments!

Try this experiment set by the James Dyson Foundation.

For lots more like this go to: www.jamesdysonfoundation.co.uk

FIRE EXTINGUISHER

SCIENCE
CHALLENGE

16

Designed by Liam,
Design engineer at Dyson

The brief

Create your own invisible fire extinguisher.

The method

1. With the help of an adult, light the candle.
2. Mix a little bicarbonate of soda and vinegar together in the jar to make a frothing mixture.
3. Tip the jar over the candle so only the gas from the reaction comes out. Be careful not to tip the mixture out.
4. The flame will be extinguished.

Materials

Matches
(with adult supervision)
Bicarbonate of soda
Vinegar
Candle
A jam jar



Design icons

Dry chemical extinguishers are filled with powder, which is usually sodium bicarbonate or baking soda. When released over the fire, the powder decomposes at 70°C releasing CO₂, smothering the fire.



How does it work?

The mixture of bicarbonate of soda and vinegar creates carbon dioxide. CO₂ is heavier than air so it sits at the bottom of the glass. When you tip up the glass, the CO₂ comes out and suffocates the candle.

Subject Area: PE

Who can you show your work to?

Mrs Lakey or Mr Gibbons

Assault Course



Turn your garden into an assault course.

Get your best time and challenge other people in your family to beat it.

Why not share your efforts on social media?

Just Dance!

Waka Waka

www.youtube.com/watch?v=mz7yUeKL5_w

Macarena

www.youtube.com/watch?v=SWHS4HsgnUk

Time Warp

www.youtube.com/watch?v=Wo3Xbho0ldM



Yoga

A great yoga session can make you feel calm, strong and rejuvenated.

www.youtube.com/watch?v=7kgZnJqzNaU



If none of these take your fancy, then the PE team have already given you lots of challenges. Athletes – don't forget the virtual event Mr Gibbons has sent you!

Subject Area: Computing

Who can you show your work to?

Your Computing teacher!

Minecraft Madness



Lots of you are already huge Minecraft fans but this is a great time for anyone to try it.

Using the different materials and combinations at your disposal, design and build your best ever creation!

www.classic.minecraft.net is free but does need a laptop or desktop to work.

Code Combat!



This is the perfect site for anyone who loves playing online games and wants to learn how to code in the process. The games are interactive: to control the actions of the characters, you have to write lines of code.

Be aware that, although the core elements of this site are free, there are some paid options – don't access these without your parents' permission.

Go to www.codecombat.com and sign up as an *individual*.

Imagine

Imagine a world without any computers.

Maybe ask your grandparents what that was like!

Pretend that you wake up one morning and anything with a micro-processor has stopped working. Write a short story to look at what might happen as a result.

