

Friday 15th January
2021



Penwortham Girls'
High School

BRAND NEW

National Online Safety Mobile App It's time to get **#OnlineSafetySavvy**

Children are spending more time than ever online. As adults, we need to do everything we can to keep them safe in the digital world. However, with new apps, games and platforms emerging every day, how can you stay in the know?

Say hello to the new National Online Safety mobile application.

With all online safety knowledge available at your fingertips, the NOS app empowers parents and teachers to understand and address online safeguarding risks – anytime, anywhere.

The world's most comprehensive online safety app, it's packed with insightful courses, explainer videos, webinars and guides on topics that will help you protect the kids you care about when they're online.

FREE Online Safety App for Parents & Educators!

We're excited to launch our FREE mobile app, giving you access to instant information about the latest apps, games, devices & more.

Download for apple: hubs.ly/H0BwQjL0

Download for android: hubs.ly/H0Bx0tp0

Mental Health Family Hour

Following this current lockdown, I have been contacted by teachers, staff and pupils regarding numerous concerns they have. Some pupils have stated they are feeling incredibly anxious, struggling to motivate themselves and also feeling scared about losing family or friends to COVID-19.

Next Thursday 21st January at 10am, the Lancashire & South Cumbria Foundation Trust will be doing an episode of the Mental Health Family Hour to address these concerns. This will be beneficial for all pupils, staff and parents. You will also have the opportunity to ask any questions at the end. You will not be on camera, as it is via Twitch. Please feel free to share this with anyone who you feel would benefit from this.

The link for next Thursday - <https://www.twitch.tv/mindsetbydave>

There will be further episodes following this.

Lancashire & South Cumbria Foundation Trust



Artsmark
Gold Award
Awarded by Arts
Council England

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World Religions Day

Sunday 17th January

All over the country, Muslims and Christians, Jewish people and Hindus will be arranging joint events to learn about each other's religions and about all sorts of world views.

The aim is to promote inter-faith understanding and harmony.

It is all about respect for all!

Here is a prayer. This one is for people of all religions. Some people don't pray, but do a meditation or reflection instead. Have a look first, and see if you want to join in.

"God, you made us all different and all human.

Please guide us in our lives in the way of peace.

Help us to be peace makers.

Show us how to live in harmony.

Save us from conflict and violent arguments.

Guide us as we try to build a better world.

Amen"

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RE COMPETITION - OPEN TO ALL YEAR GROUPS!

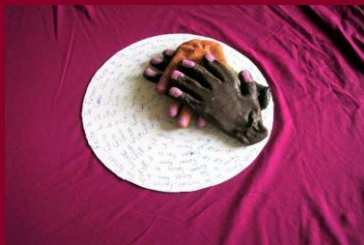
Year 7 are taking part in a national competition to celebrate World Religions Day but we are opening the competition up to all year groups. The competition has been set by the RE magazine, RE Today. Winning pieces may even end up in their magazine!

The challenge is to design and create a logo for 'World Religions Day' that represents its' key message 'respect for all'. Think about how your logo would look on a t-shirt or a mug!

You will need a short paragraph with your logo to briefly explain how your logo represents the key message.

Make it as beautiful, interesting, respectful and wonderful as you can. It doesn't matter what your own religion or belief is, we are interested in shared ideas for all humans.

Here are some examples of artwork that may inspire your logo.



'My sculpture has three hands together. It is called 'Faith in the Future'. People who are different can share the world and live together. We can all help people to respect each other.'

"My picture shows a girl who is shy. People think she is just a grey person but in her imagination it is full colour, with unicorns! You can't always see a person's spiritual side. Even when we look ordinary on the outside, our spirits can be lively, exciting and burning with life. You have to listen really carefully to people if you want to know them for real."



All year 8-11 logs to be emailed to Miss Hollier or Miss Brooks by Friday 29th January!

We can't wait to see them and display all of your amazing work in future newsletters!

*Miss Hollier
Teacher of RE*

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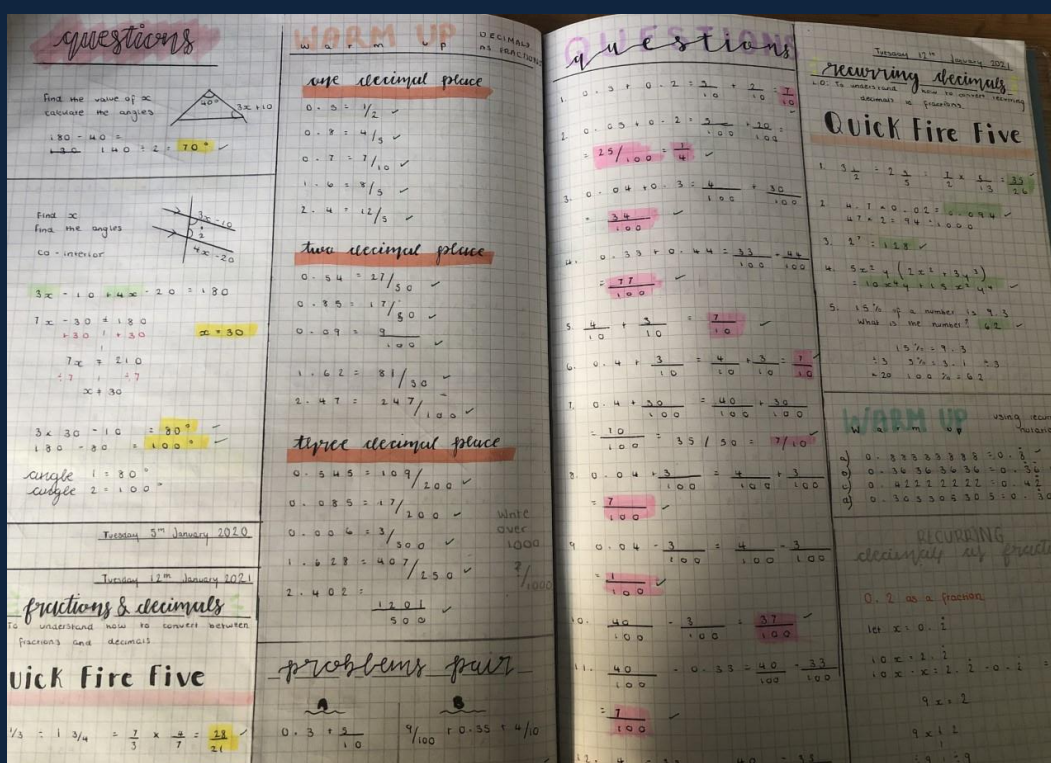


Penwortham Girls'
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Excellent Examples of Work and 'Shout Outs' During Lockdown

Maths

Amazing work in Maths by Rhea S in Year 9. Well done!



Performance, Sport and Health Faculty

Excellent PE work-out done by Mady S in Year 8.

RE

Safurah H in Year 10 for the excellent Religious Studies review of the Zac Efron Netflix series, Down to Earth, episode 2.

Poppy J in Year 11 for being the most proactive student in the school this lockdown for RE.

History

Elizabeth B-R and Harriet M in 7P for excellent work on how to defend and attack a castle. Medieval military commanders in the making!

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Science

Shout outs to 8P and 8S who produced a poster on everyday examples of neutralisation as part of the Reactions 1 topic during home-schooling. Here is just a snapshot of their great work. They have spent a bit of time in school before the Christmas break on this too where they got the chance to do a small practical using universal indicator and household substances. They also got the chance to make a red cabbage indicator at home and try it out. I got some superb uploads from Hannah B (8P) and Katherine W (8P). I shared their videos with the class so they could use their results for their own work. There have been quite a few Zoom lessons so far and I have been very impressed with the uptake, interaction and quality of work. Keep it up!

Mrs Cahill

Everyday Neutralisation

Wasp and Bee Stings Neutralisation
Wasp stings and bee stings are 2 different pH's. The wasp sting is an alkali and the bee sting is an acid. To neutralise the wasp sting we use an acid like vinegar. To neutralise the bee sting we use an alkali like baking soda.

Mouth Acids Neutralisation
Any acids that get into our mouths can damage our teeth, then our teeth would start to rot. But a way of preventing that is brushing our teeth with toothpaste which contains alkali's.

Stomach Acid Neutralisation
The acid in our stomachs helps us digest food. But if the stomach produces too much acid then that makes us feel sick. To prevent this from happening we neutralise it using indigestion tablets, which is an alkali.

Acid Rain Neutralisation
When acid rain gets onto soil, it makes it acidic which is bad for plants that want to grow. To neutralise the acid, farmers use alkali lime to get rid of the acid.

ACID AND ALKALI

pH Scale

Neutralisation

An acidic acid above reacts strongly by hydrogen ions H^+ .

Wasp stings are acidic. To neutralise them we use an alkali like baking soda.

In our stomachs, there would be hydrogen and oxygen H^+ .

Bee stings are acidic. To neutralise them we use an alkali like baking soda.

$Acid + Alkali \rightarrow Salt + Water$

$H^+ + OH^- \rightarrow H_2O$

Examples of neutralisation

ACID	ALKALI
Bee sting 	Baking soda
Acid soil 	Lime
Vinegar 	Jellyfish sting
Too much stomach acid 	Indigestion tablets

By Elena (8S)

By Fatima (8S)

By Saoirse (8S)

Everyday Examples of Neutralisation

Wasp stings are alkali. To neutralise them, we use an acid like vinegar.

Bee stings are acid. To neutralise them, we use an alkali like baking soda.

Acid in our mouth damages our teeth. To neutralise the acid, we brush our teeth with toothpaste which contains alkalis.

Acid in our stomach digests our food. If our stomach makes too much acid, we feel sick. We neutralise the extra acid by taking indigestion tablets or liquids which are alkalis.

Acid rain can make the soil acidic. To neutralise their acid soil, farmers add the alkali lime to their fields.

NEUTRALISATION

Examples

Wasp stings are alkali. To neutralise them, you use an acid like vinegar.

Bee stings are acid. To neutralise them, you use an alkali like baking soda.

How it works
Neutralisation happens when an alkali is mixed with an acid. This reaction can be represented by the following equation:
 $alkali + acid \rightarrow salt + water$

What is the salt?
The salt is made from the remaining elements. For example;
 $Sulphuric acid + calcium oxide \rightarrow calcium sulphate + water (H_2O)$

Why the water?
The water is made because alkalis contain hydroxide (OH^-) and acids always contain hydrogen (H^+). So when acids and alkalis neutralise, H_2O (water) is created from these compounds.

By Mariyam (8S)

By Molly (8S)

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EVERYDAY EXAMPLES OF NEUTRALISATION!

Bee stings are **acid**. To neutralise them, we use an **alkali** like **baking soda**.

Wasp stings are **alkali**. To neutralise them, we use an **acid** like **vinegar**.

Acid in our mouth damages our teeth. To neutralise the **acid**, we brush our teeth with **toothpaste** which contains **alkalis**.

Acid in our stomachs digests our food. If our stomach makes too much **acid**, we feel sick. We neutralise the extra **acid** by taking **indigestion tablets** or **liquids** which are **alkalis**.

Acid rain can make soil **acidic**. To neutralise their **acid** soil, farmers add the **alkali** lime to their fields.

By Grace (8S)

Everyday Examples of Neutralisation

Bee stings are **acid**. To neutralise them, we use an **alkali** like **baking soda**.

Wasp stings are **alkali**. To neutralise them, we use an **acid** like **vinegar**.

Acid in our mouth damages our teeth. To neutralise the **acid**, we brush our teeth with **toothpaste** which contains **alkalis**.

Acid in our stomach digests our food. If our stomach makes too much **acid**, we feel sick. We neutralise the extra **acid** by taking **indigestion tablets** or **liquids** which are **alkalis**.

Acid rain can make soil **acidic**. To neutralise their **acid** soil, farmers add the **alkali** lime to their fields.

By India (8S)

Neutralisation

Wasp stings are an **alkali**. To neutralise them, we use an **acid** like **vinegar**.

Bee stings are an **acid**. To neutralise them, we use an **alkali** like **baking soda**.

Acid in our mouth damages our teeth. To neutralise the **acid**, we brush our teeth with **toothpaste** which contains **alkalis**.

Acid in our stomach digests our food. If our stomach makes too much **acid**, we feel sick. We neutralise the extra **acid** by taking **indigestion tablets** or **liquids** which are **alkalis**.

Acid rain can make soil **acidic**. To neutralise their **acid** soil, farmers add the **alkali** lime to their fields.

By Ismah (8P)

Neutralisation

You need the same volume and concentration of acid and alkali for neutralisation to occur.

Every day neutralisation

Wasp stings are **alkali**. To neutralise them, we use an **acid** like **vinegar**.

Bee stings are **acid**. To neutralise them, we use an **alkali** like **baking soda**.

Acid in our mouth damages our teeth. To neutralise the **acid**, we brush our teeth with **toothpaste** which contains **alkalis**.

Acid in our stomach digests our food. If our stomach makes too much **acid**, we feel sick. We neutralise the extra **acid** by taking **indigestion tablets** or **liquids** which are **alkalis**.

Acid rain can make the soil **acidic**. To neutralise their **acid** soil, farmers add the **alkali** lime to their fields.

By Katherine (8P)

Everyday Examples of neutralisation.

Bee stings are **acidic**. To neutralise them we use **baking soda** which is an **alkali**.

Wasps stings are **alkali** to neutralise them we use **vinegar** which is **acid**.

Acid in the mouth damages our teeth. So, to neutralise it we use an **alkali** which is **toothpaste** to brush out teeth.

Acid in the stomach digests our food when too much **acid** enters the body, we feel sick. We neutralise it by taking **tablets** that help us digest or by **liquids** which are **alkalis**.

Acid rain makes the soil **acidic**. To neutralise the **acid** in the soil the farmers use an **alkali** lime to their fields so it can help the soil.

When baking a cake, it helps the cake to rise. Baking soda is an **alkali**.

Conditioner is used with shampoo to prevent the small scale of hair which help your hair to be manageable.

By Mariyah (8S)

Neutralization

Wasp stings are **alkali**. To neutralise them we add an **acid** like **vinegar**.

Bee stings are **acid**. To neutralise them we add an **alkali** like **baking soda**.

Acid in our mouth damages our teeth. To neutralise the **acid**, we brush our teeth with **toothpaste** which contains **alkalis**.

Acid in our stomach digests our food. If our stomach makes too much **acid** we feel sick. We neutralise the extra **acid** by taking **indigestion tablets** or **liquids** which are **alkalis**.

Acid rain could make the soil **acidic**. To neutralise their soil farmers add **alkali** lime to their fields.

The definition
Neutralization is adding an **acid** to an **alkali** or a **alkali** to an **acid** to make it **neutral**. On a pH scale **neutral** is 7.

By Prisha (8S)

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Life Skills Update and 'Shout outs'

Year 7 and 8 have been uploading some superb work from their Life Skills lessons over the past week.

Year 7 – Baseline assessment, 'Money and budgeting'.

Year 8 – UNICEF Rights of the child.

Year 9 – Managing conflict at home.

Here are just a few shout outs to celebrate all the hard work and efforts of the students:

Amber R (9P), Amelia W (8J), Hannah A (9H), Harriet M (7P), Harriet Mu (7P), Jennifer K (8J), Niamh L (7H), Sasha H (7H).

Anna K (9P) for excellent work! Well done!

'ThinkUknow' from the CEOP education team, have produced some great resources. With children and young people relying on their tech at home for learning and entertainment during lockdown, it remains vital to keep conversations about online safety going and raise awareness of reporting routes if something goes wrong. This link contains some 15-minute activities that you can do at home and provides support and ways to approach topics around children being online.

<https://www.thinkuknow.co.uk/parents/Support-tools/home-activity-worksheets/>

Family activities

Each of these family activity sheets have a selection of short conversation starters, practical tips and fun tasks to do as a family.

Family activity sheet - viewing videos online

This activity sheet focuses on watching videos online. With a choice of 3 conversation starters, 3 online safety actions and 2 fun family tasks, you can learn together about watching videos safely online.

Family activity sheet - cyber security

This activity sheet focuses on cyber security, and we have worked with the [National Cyber Security Centre](#) to help you be more Cyber Aware.

Family Activity sheet - social media

This activity sheet focuses on social media. With a choice of 2 conversation starters, depending on if your child is on social media, 3 online safety actions and a fun family tasks, you can learn together about safer social media use.

Family Activity sheet - sharing images

This activity sheet focuses on sharing images online. With a choice of 3 conversation starters, 3 online safety actions and a fun family tasks, you can learn together about safer image sharing.

Family Activity sheet - live streaming

This activity sheet focuses on live streaming. With a choice of 3 conversation starters, 3 online safety actions and a fun family tasks, you can learn together about how to be safer when live streaming.

Family Activity sheet - online gaming

This activity sheet focuses on online gaming. With a choice of 3 conversation starters, 3 online safety actions and a fun family tasks, you can learn together about safer online gaming.

Parents and Carers Resources

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Computing Update and 'Shout Outs'

Key Stage 3 Computing

Remote learning has got off to an amazing start. Well done, girls! Please keep up the hard work and remember to be constantly uploading your work to be marked.

This half term sees the girls completing a variety of units. Year 7 are learning about interactive presentations and hyperlinks, Year 8 are learning all about the history of technology including the history of computing. This will lead to looking at the future of technology and designing a new piece of future technology. Year 9 are looking at theme parks and learning a range of skills from marketing to working out the finances and designing a ride. I am looking forward to seeing a variety of ride ideas and to see how the theme park will make money.

GCSE Computer Science

Live sessions have taken place already and I've thoroughly enjoyed keeping in touch with the students using TEAMS.

Year 11 are currently completing exam papers, following an exam paper walk through last term. We are planning to cover pseudocode again to build confidence in this area.

Year 10 are going to start to look at the environmental and ethical impact of computing in everyday lives and I look forward to seeing what work they produce over the next few weeks.

BTEC Creative Media Productions

Year 11 are currently completing a practise component 3 (externally set work). They are preparing for the component brief that was released last week as part of their final assessment. The students are designing a media product for a music company, Harmonica Music. They can either produce a magazine or website for music enthusiasts. They have to research ideas and then plan their product before creating this. Once this practise is completed, we will look at starting the preparation for the live brief. Good luck!

Shout outs!

Grace A – Brilliant, detailed media work!

Poppy J – Brilliant, detailed media work and amazing positive attitude!

Mali C – Brilliant, detailed media work!

Victoria M-W – Positive work ethic.

Megan W – Positive attitude towards computer science work.

Carla D – Positive attitude towards computer science work.

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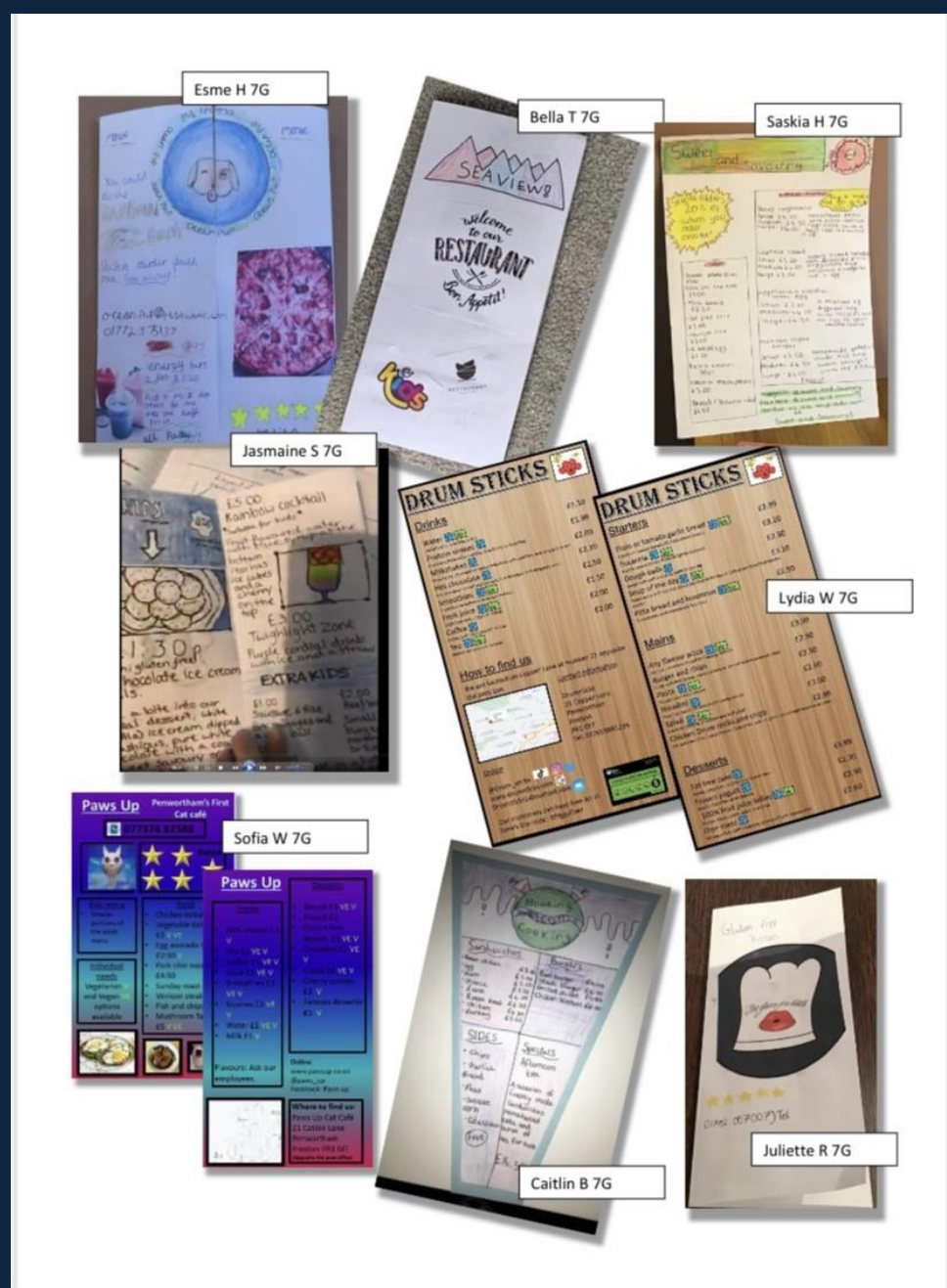


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Technology Update and 'Shout outs'

Year 7 have been designing the menus for their new takeaway cafe project. They have previously created their own logos and themes based on client research. Next week, they will start to make their own dishes at home, as well as the packaging for their 'cafe'. Well done, girls!

Mrs Gornall



Technology - TEEN TECH Live Sessions.

There are some fantastic live events that students can watch from home that link to science, technology and engineering. The sessions will focus on how to get into various careers in these fields. As part of D&T and/ or computing, students in KS3 and 4 may be directed to watch specific sessions over the next week, including games design, space, music and much more. All the sessions will be streamed live but can also be watched for up to 3 days after. There are also optional worksheets to complete and design problems to solve. If entered, your design could be looked at by industry professionals who will give live feedback during the feedback sessions.

Well worth a look!
Email Mrs Gornall if you would like more details or visit this website to register at home.

<https://www.teentech.com/live/>

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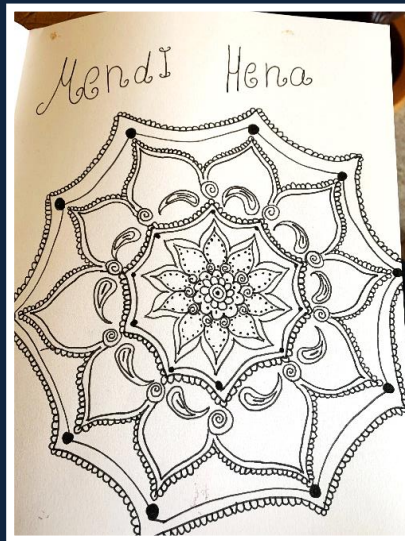
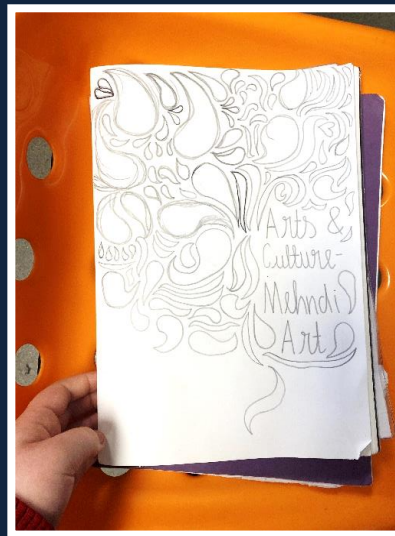


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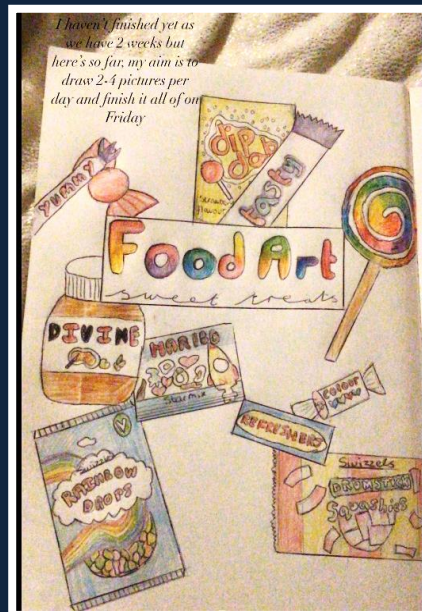
Art

Home Learning Stars – Excellent effort seen by Art & Photography Students so far

I am delighted to say that we have already received a number of beautiful uploads from our talented PGHS students during this home learning phase. Well done, everyone!



Year 7 Mehndi Art : Ruby T & Jaymi-L D



Year 8 Sweet Treats: Freya L M & Sophia H

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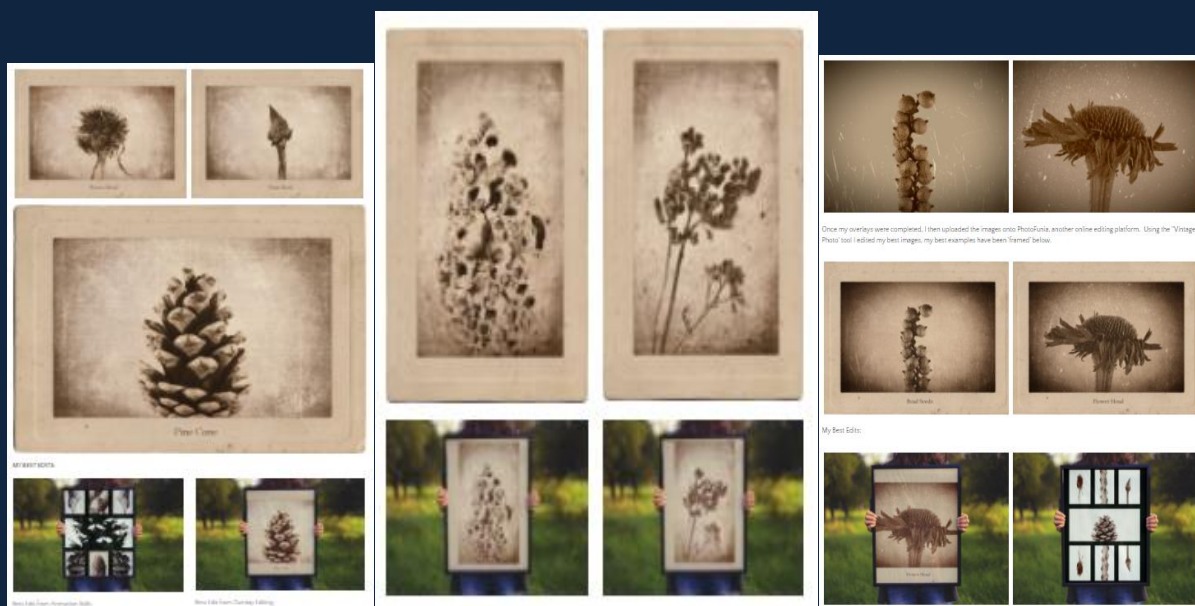
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Year 9 Anime: Emily H & Grace D



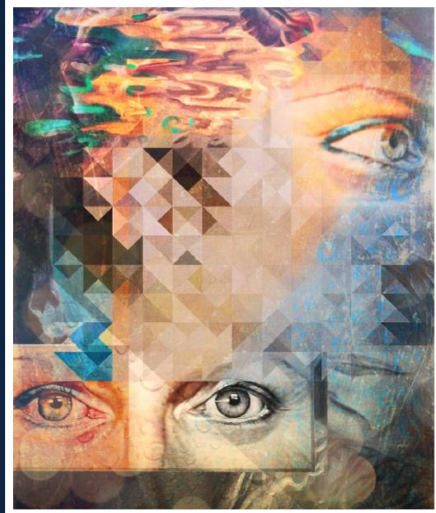
Year 10 Photography / Karl Blossfeldt: Lucy P, Amina F, Keira C

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Year 11 Art & Design / Digital Compositions: Aimee C, Emily M, Chloe F, Tegan L



Feature Artist: Dennis Wojtkiewicz

As part of the Year 10 Photography Scheme of Learning, we will be studying the spectacular imagery of Dennis Wojtkiewicz. It may be hard to believe that the image on the left is indeed a painting by Wojtkiewicz who is best known for his large scale, Hyperrealist paintings.

As part of the Year 10 Photography GCSE course, we will be studying how Dennis Wojtkiewicz creates his photographic reference images and also how the techniques of 'macro photography' and 'back lighting' are successfully deployed in his work.

Further Examples:

<http://www.wojtkiewiczart.com/work>

Miss Morris

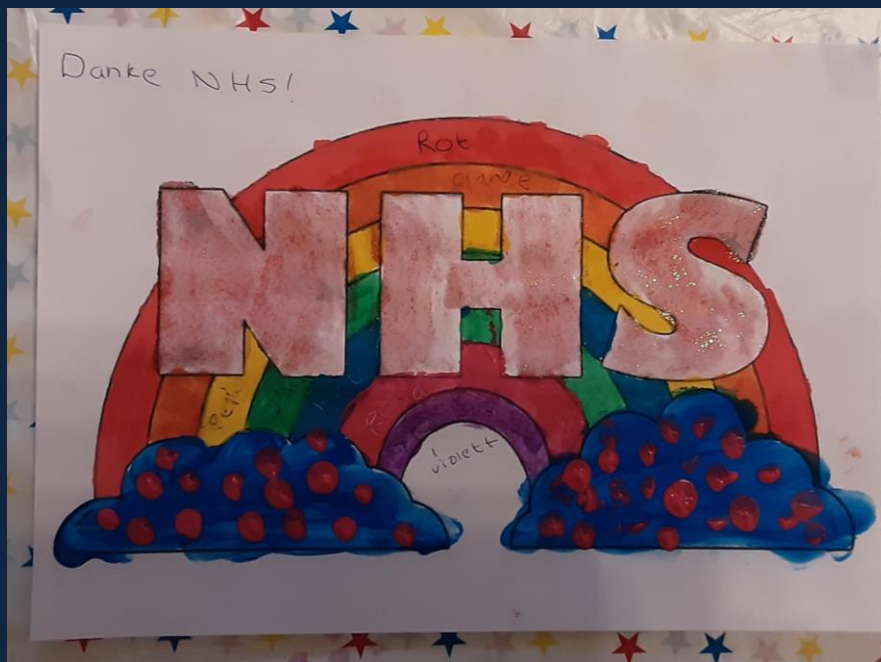
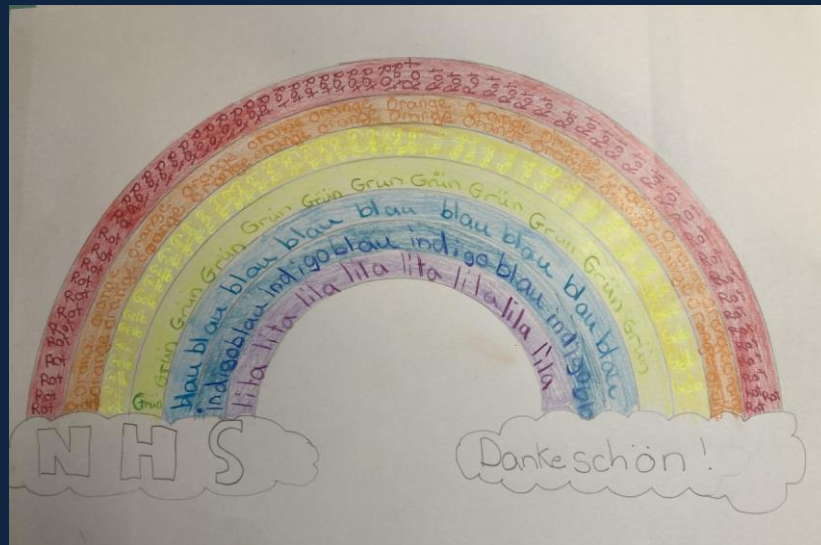
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Modern Foreign Languages (German)

Some excellent examples of work from Mrs Raine's Year 7 group. They have been practising colours and they had to design an 'NHS Thank You' rainbow poster with a German twist. Shout out to Phoebe B and Amina F.



Some more shout outs for German with Mrs Gill and excellent efforts at KS4:

Year 10: Ellie R, Alice C, Mya J, Aisha W

Year 11: Ella H, Jessica B, Abbie J

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Head's Commendations



Olivia S (Year 9)

Olivia recorded her formative speaking assessment. Her answers were very detailed and she used the future tense accurately. Her pronunciation was excellent! Bravo! (MFL)

Sian H (Year 9)

Sian sent a recording of her formative speaking assessment. Her answers were very detailed and she used the future tense accurately. Her pronunciation was excellent! Bravo! (MFL)

Jemima B, Olivia H, Eshaal M, Zarisha P, Heather P, Alice W, Libby W, Katherine W (Year 8)

Stunning pieces of descriptive writing! Wow – an absolute pleasure to read! (English)

Amy B, Evie C, Elyse F, Issy H, Darcy P (Year 9)

A wonderful piece of descriptive writing in English.

Sofia W (Year 7)

Fantastic design for a café takeaway menu. (Technology)

Bella T (Year 7)

Lovely work for the final menu design. (Technology)

Jasmine S (Year 7)

A lovely design for the takeaway menu. Well done! (Technology)

Soraya D (Year 9)

A brilliant French speaking assessment. (MFL)

Tasneem A, Francesca C, Erika J, Victoria K, Kayah W, Abigail P, Jennah K (Year 8)

Amazing portraiture homework. Superb skills demonstration. (Art)

Hana S, Maia F, Anna K (Year 9)

Animal eye drawing homework. An amazing piece of work! (Year 9)

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Careers Advice

Welcome Year 11 and Happy New Year to you all! Hope you have all had a lovely, safe Christmas break. As the government has announced another lock down, please be rest assured that I will continue to provide remote careers advice and guidance during the days I am designated as the Independent Careers Adviser for the school.

I have listed below the days from January until the February half term break where I will be available and working remotely from 8.15am to 2.30pm, so please get in touch.

January 2021

- Wednesday 6th January 2021
- Wednesday 13th January 2021
- Wednesday 20th January 2021
- Wednesday 27th January 2021



February 2021

- Wednesday 3rd February 2021
- Wednesday 10th February 2021
- Wednesday 24th February 2021

In addition, I will be carrying out telephone careers appointments over the following weeks during my designated days, so please ensure you are available to speak and explore your careers options after leaving high school in the summer.

Mrs S Khan
Independent Careers Adviser

careers@penworthamgirls.lancs.sch.uk

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