

Newsletter

Friday 5th February
2021



Penwortham Girls'
High School

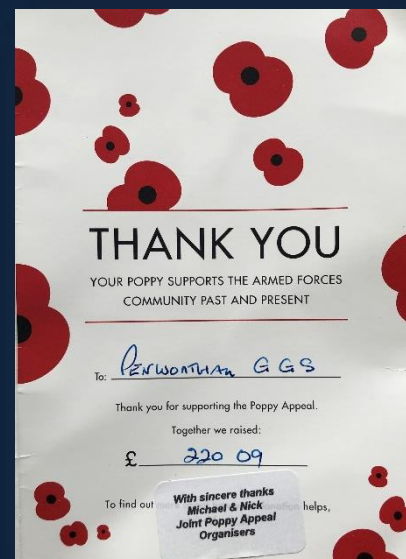
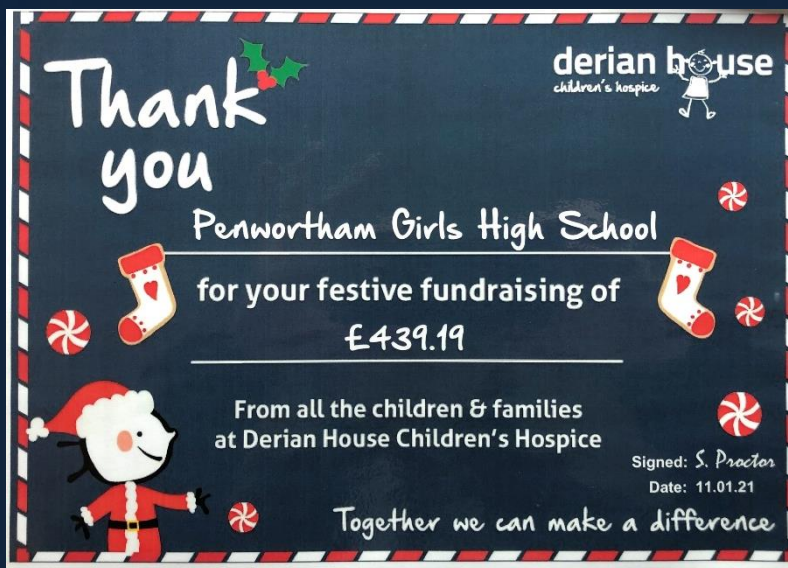
Charity Donations!

Despite the challenging circumstances, PGHS students and staff have continued to offer their support and generosity to the invaluable work of many local and national charities.

We have recently been informed of the final totals for two important causes that were supported in the Autumn term. Our school community raised an amazing £220.09 for the British Legion's Poppy Appeal and a remarkable £439.19 for Derian House Children's Hospice.

Both of these charities are incredibly grateful for our significant contribution and it once again proves the generosity and thoughtfulness of our school community, especially in such difficult circumstances. Many thanks to all those who donated to both causes.

Mr Herbert
Associate Assistant Headteacher



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Religious Education Department News

Religion in the news this week:

<https://www.bbc.co.uk/news/uk-england-norfolk-55647340>

Headline: Covid-19: Lockdown rules divide opinion at places of worship.

Summary: Under the government legislation, places of worship are able to remain open for services during England's current lockdown. However, if places of worship choose to open their doors, they will have to make certain changes to abide by the new rules such as:

- No communal singing;
- A 6ft distance must be kept between anybody not in the same household;
- Any holy books, prayer mats, idols touched must be in quarantine for 48 hours.

Different places of worship have taken a different approach. For example, in the following places in Norwich:

- Norwich's Roman Catholic cathedral, St John the Baptist remains open for 17 masses a week. They would normally welcome 1,200 people across all of five of Sunday masses; they are currently limited to 170 per service which is "like a postage stamp in this building". The priest says **communal worship** is needed for "comfort and solace" in a time like this.
- Norwich Cathedral, closed its physical doors to the public but have replaced them with virtual ones which is new to 21st century worship. The Sunday **Eucharist** will be live-streamed every week on the cathedral's YouTube channel and full details of how people can participate in daily worship at home are available on the **cathedral's** website.
<https://www.cathedral.org.uk/>
- Norwich Central Mosque remains open for private prayer online. People from the same household can visit the **mosque** to pray by booking a timed slot. The **imam** believes prayer is important during the time of the pandemic but we should play our part to not allow a big gathering and not spread the virus.

Discussion questions and activities - email your RE teacher for a chance to win some merits!

- Terminology Titan: Write a definition for the words in the above article written in bold.
- Subject Serious Reader: Write a review of the article.
- Oracy Orator: Engage in a debate with your peers or family on the article.



Miss Brooks
Religious Education Department

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Religious Education Department News

In Year 7 we recently celebrated 'World Religion Day' by taking part in a national competition to design a logo to represent the day and its key message of "Respect for All". Here is a showcase of some of the amazing entries we had from our students:

Lexie P 7J



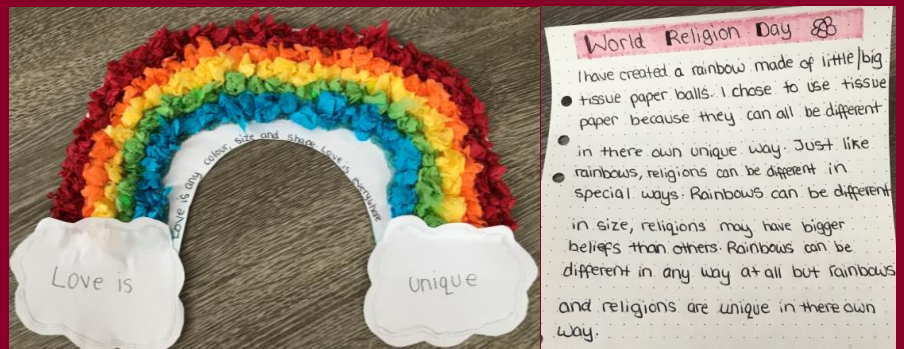
Sophie S 7S



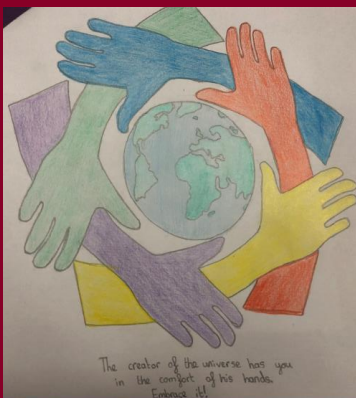
Eden F 7J



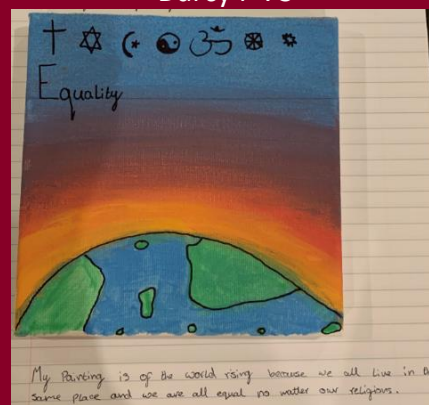
Emerson W 7S



Chloe W 7S



Darcy P 7S



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Vidhya P 7H

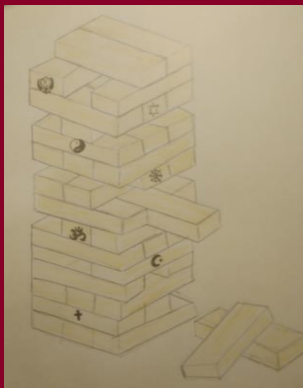


Niamh L 7H



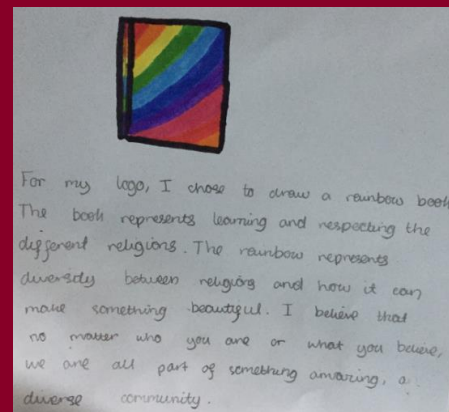
I made this picture to show equality and how everybody is different but should be treated equally as it doesn't matter what religion or skin colour you are.

Neve H 7H

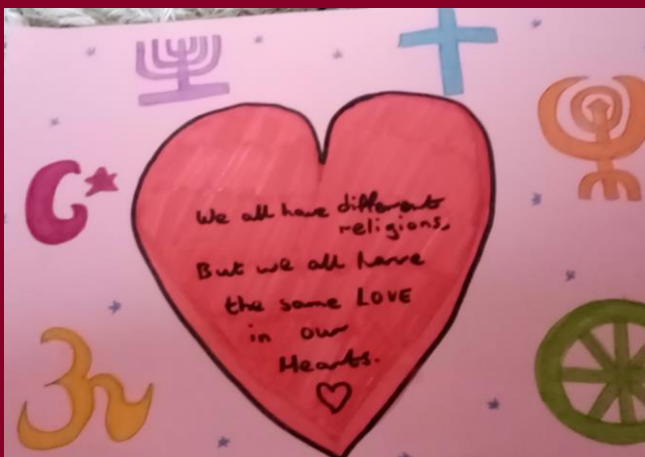


I have chosen to draw a Jenga tower with all of the religion's symbols on the pieces. This is because the tower is portraying the world, which is made up from the Jenga pieces. If one piece gets taken out, it can all collapse and that is what would happen if we took one religion out, because they are all as important as each other and they are all equal.

Hattie Clark 7H



Katie T 7H



Rosie Yapp 7H



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Emily B 7H

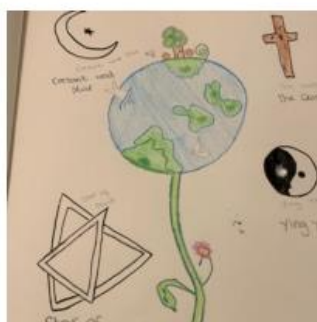
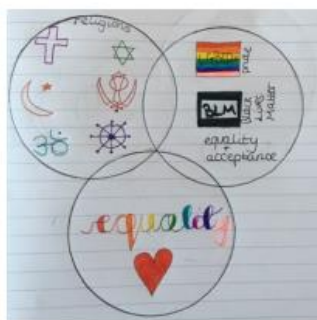
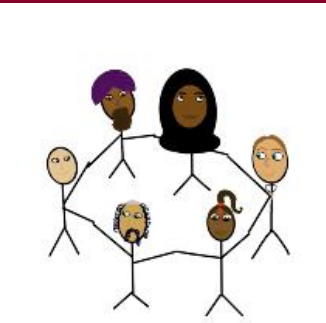
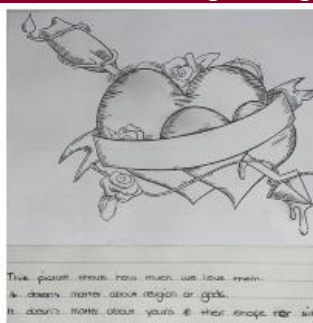


RE competition entry- 'respect for all'



My logo is showing how all the different religions shine on the world and make it a lot brighter, just like the sun. Without the sun, the world would not be a good place, and this applies to all the different religions too; without all the different religions, the world would be so different. I think it is important that everyone respects each other, no matter what religion they come from and we must learn to accept one another because it brings a sense of peace and unity.

More fantastic logo designs:



Miss Brooks and Miss Hollier, Religious Education Department

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MODERN FOREIGN LANGUAGES



It has been a really busy half term for MFL with remote learning and we have been using lots of interactive platforms to support and further our love of language learning. We have been using Linguagenut, Blooket, Quizizz, Quizlet and Kahoot. So far, our favourite one has been Linguagenut and here is some information on how we have been using it.

Linguagenut

Linguagenut is an online platform that allows our pupils to learn, practise and have fun with their language learning all at the same time. Our learners can select tasks on the topics that we are currently studying and go head to head in competitions individually or as a class. Our students can also gain their own medals and achieve their gold, silver and bronze medals on different vocabulary and grammar topics. It also gives us the opportunity to compete against other schools across the world. Currently as I write this, we are in position 45 in the world which is an amazing achievement and testimony to how hard our girls are working and also how much fun it is. Grace in Year 7 tells us how she has been using and finding it:

"I find Linguagenut a fun way of learning German because you get to play games and you go up places. It's really motivated me to learn German because then I can see how much I know and learn what I don't. I like how my German teacher can set me new assignments to do. I like collecting medals after every game (I have 191 golds, 7 silvers and 1 bronze)." 

Top Linguagenutters at PGHS

Eloisa-Mai F
Purdey A
Grace B
Abigail S
Chloe W

Top Linguagenutter classes at PGHS

7S German Frau Gill
7P German Frau Raine
Year 11 French Madame Raine
7H German Frau Gelder
7J German Frau Williams



Linguagenut

Digital Language Resources for Primary & Secondary Schools

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French Christmas Cards

The Christmas cards from our penpals in France were waiting for us when we got back to school after Christmas. Only a few girls have been able to enjoy them so far, but we look forward to distributing the others when we are all back in.

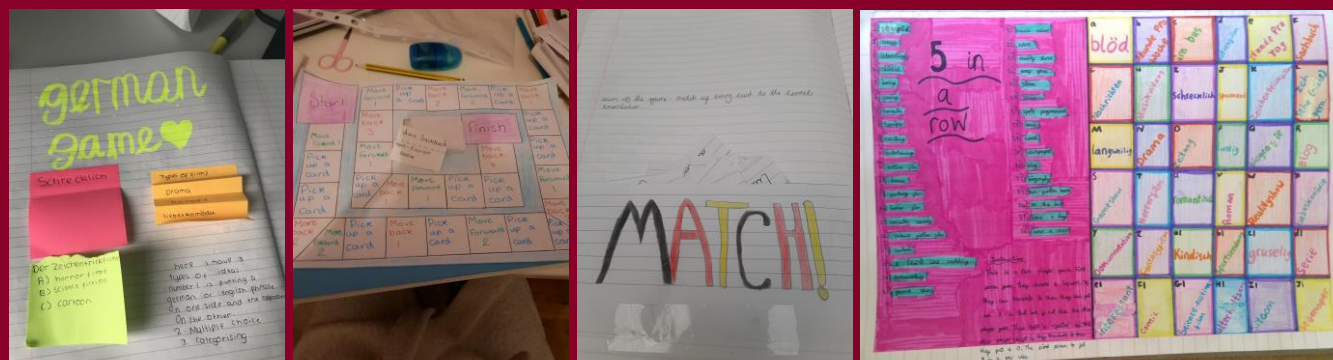


French Valentine's poems are our next project and we are getting these ready to send over to France to our French penpals.



Year 8 German Revision Games

This half term, Year 8 have finished their module on media. We have learned all about different types of film, TV programmes and books and we have discussed our screen time and which media we prefer and why. To help in their revision, some members of 8P and 8S have produced revision games to practise their vocabulary. Here are some creative examples below. Well done, girls! They look fantastic and you have made great use of your German!



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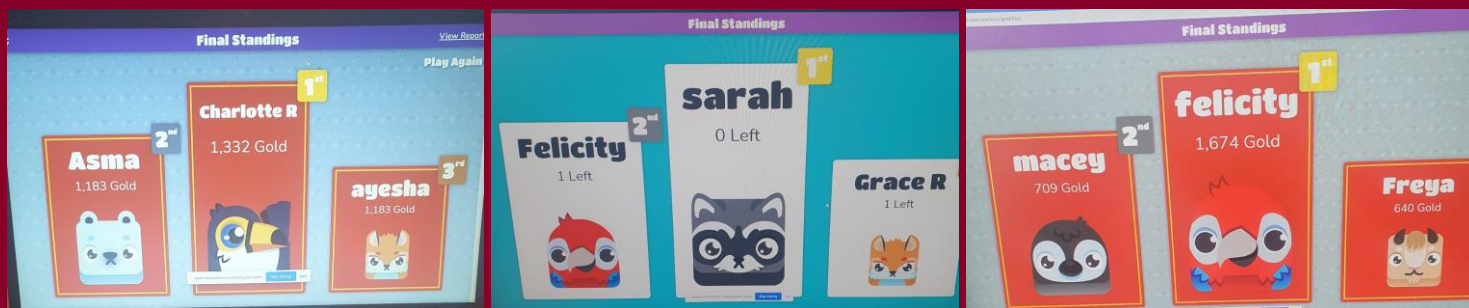


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Blooket

Throughout our online lessons we have been using a fantastic website called Blooket. This is linked closely to Quizlet that we use regularly to learn and practise our online vocabulary. Blooket is an online game where you can choose a subject to take a quiz on. You can either play solo or against friends. There are different games such as Café, Gold Chest, Factory, Battle Royale, Racing, Crazy Kingdom, Tower of Doom and Classic. If you want to play, you search Blooket to play and follow the teacher's instructions! Our students have particularly enjoyed playing the Gold Chest games and stealing gold from their teachers!

Here, our students tell us what they have particularly enjoyed playing on Blooket.



"We have been using Blooket in our online language lessons and I have really enjoyed it because we get to play fun games and at the same time, remember our vocabulary. The whole class socialises and we play against each other. It's always funny when people steal off the teacher and Frau Gill makes it even more fun. I would like to keep using Blooket." *Hanya A, Year 8*

"We have been using Blooket in our online language lessons and I have really enjoyed it because the games are really fun, while helping us remember German words and phrases. The activities are helpful as you have to remember the phrases to win, which everyone wants to do." *Grace R, Year 10*

"We have been using Blooket in our online lessons and I have very much enjoyed doing it because you are able to interact with everyone in the lesson and it also helps to improve your German." *Freya A, Year 10*

"We have been using Blooket in our online language lessons and I have really enjoyed using this website because it's an easy way to learn key German vocabulary and it makes the subject more active, fun and a great way to feel like you're back working with your class mates. You don't realise how much you're actually learning because it has been made in such a good way that it just feels like you are playing a game. It has really helped me and I love using Blooket in my lessons!" *Lois R, Year 10*

"We have been using Blooket in our online language lessons and I have really enjoyed it because it helps you learn and remember your vocabulary. It is a game where if you get a multiple-choice question, e.g. 'What does Horrorfilme mean?' If you get it right, you pick a chest and you could get gold or you could steal someone else's gold or even lose your own. I personally like using it for the competition and seeing if I can win, which motivates me to learn my vocabulary for different topics." *Felicity A, Year 10*

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"We have been using Blooket in our online language lessons and I have really enjoyed it and it is also a fun way to remember any words that we have learnt in a lesson." *Khitam A, Year 8*

"We have been using Blooket in our online lessons recently in German and I find it very exciting and amusing because there are lots of entertaining games to learn a language." *Lojaina A, Year 8*

German Films

If you are tired of watching 'Friends' or your usual TV shows, why not have a watch of some German shows to enhance your German learning further and relax at the same time! Mrs Williams has found some really interesting films and shows to watch to support your learning further and give you chance to immerse yourself further into your languages. Try keeping on the German subtitles, even if you are watching in English and if you want to watch in German, be sure to select German Audio, as Netflix defaults to the dubbed English version. You can, of course, put English subtitles on to help you. Here are some recommendations on Netflix:

1. Frauen, die Geschichte machten - Women Who Made History.

This is an inspiring, beautifully filmed documentary chronicling iconic women of history. Catherine the Great, Queen Elizabeth I, Cleopatra, Joan of Arc and Sophie Scholl, to name a few.

2. Wer kann! Der Kann! - Nailed it!

Germany's answer to TGBBO. Home chefs compete for cash with their epic baking fails. A very funny show with lots of fun language to learn.

3. Unsere Mütter, unsere Väter - Generation War.

World War 2 mini-series. It follows the different paths of five young German friends through Nazi Germany and the war. This is highly addictive and beautifully filmed.

4. Türkisch für Anfänger - Turkish for Beginners.

This comedy show is well known in Germany and revolves around a mum and her children. They move in with a Turkish widower and his two teenage children in Berlin. It is a comedy series showing two different cultures and well worth a watch.

Mrs Gill

Curriculum Leader for Modern Foreign Languages

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Safer Internet Day 2021

Safer Internet Day will be on the 9th February 2021.
Safer Internet Day 2021 will be celebrated in the UK with the theme,
'An internet we trust: exploring reliability in the online world.'

This year in the UK, Safer Internet Day explores reliability online. The internet has an amazing range of information and opportunities online, but how do we separate fact from fiction?

Safer Internet Day will be celebrated globally with the slogan: 'Together for a better internet.'

Safer Internet Day 2021

This is to certify that

Penwortham Girls' High School

supports

Safer Internet Day 2021

Together For a Better Internet

Tuesday 9th February 2021



#SaferInternetDay

saferinternetday.org.uk



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Well-Being Bingo

How are you getting on with this week's well-being bingo? Remember, this week is a special week as it is 'Childrens Mental Health Week', therefore I will be awarding 1 merit for every 6 activities completed. Don't forget to take a picture of yourself doing one of the activities. I will be asking for these on Monday - Miss Wignall! 😊

#mentalhealthmatters #childrensmentalhealthweek

Wellbeing Bingo!

During this full lockdown you **MUST** ensure that your mental health is a priority! Alongside your home learning, try and complete some of the wellbeing activities below. You do not need to complete them all- perhaps pick one a day OR pick a couple you want to achieve everyday e.g., drinking 2 litres of water.

 Do a Joe Wicks PE workout.	 Facetime/ call a friend	 Call a relative up for a chat	 Photograph one of your wellbeing activities	 Drink 2 litres of water a day.	 Have an early night
 Play a game	 Try meditation	 Help to tidy up	 Make breakfast for someone	 Send a nice message	 Listen to music
 Make your bed	 Quiz with family or friends	 Go for a walk	 Have a dance	 Watch your favourite film	 Help make dinner
 Read part of a book	 Make someone smile	 Treat yourself to something tasty	 Watch a documentary	 Learn something new about the world	 Virtual lunch with friends
 Do some mindful colouring	 Eat 5 fruit/ veg a day!	 Bake something!	 Sing along to your favourite songs	 Set a new goal	 Complete your PGHS postcard

Spreading some positivity...

The world seems a negative place right now, so each week you will receive a happy story/ quote/ fact to help put a smile on your face! -Taken from 'The Happy Newspaper' 🌞



To the PERSON who NEEDS it...
I'm SORRY the WEIGHT of the
WORLD is a little Too HEAVY to
HOLD right NOW. Just know things
CAN and WILL GET BETTER... but
FOR NOW, keep doing your BEST.
Your BEST is ALWAYS enough.

W/C 1st Feb.

Miss Wignall

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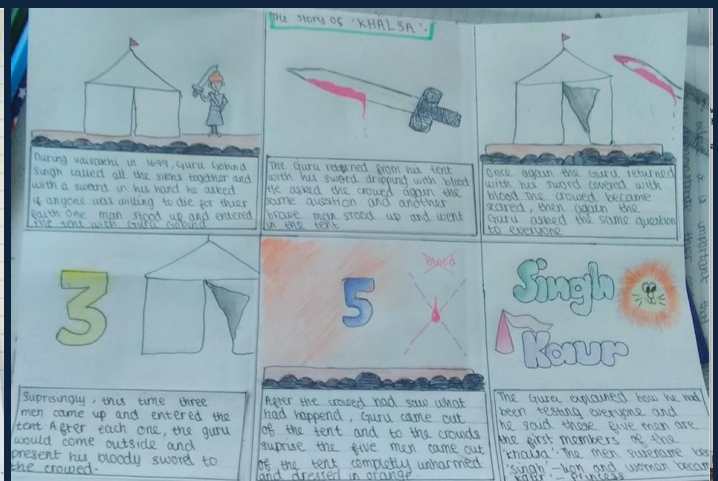
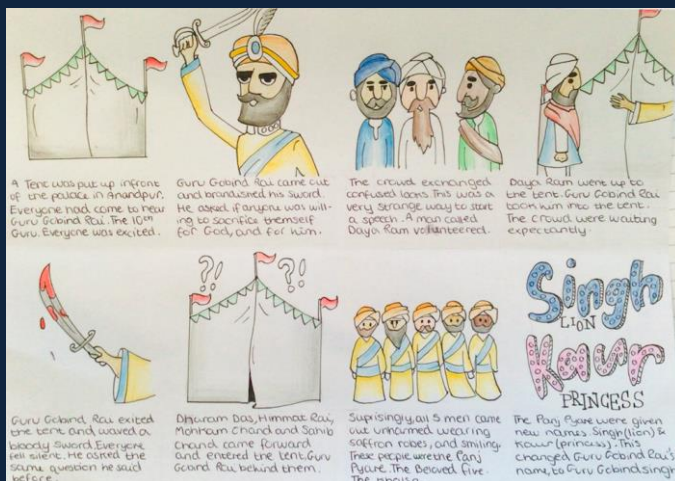
Excellent Examples of Work and 'Shout Outs' During Lockdown

Religious Education

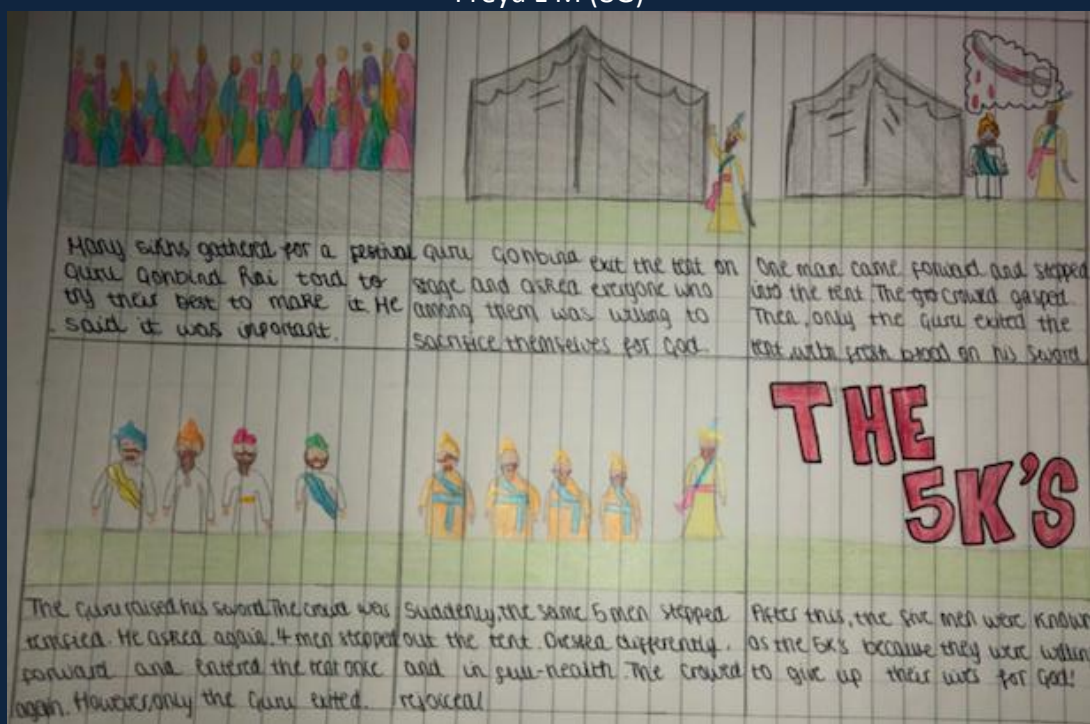
In Year 8, we have just finished exploring Sikhism. The following students produced fantastic storyboards to show how the Khalsa was formed:

Jennah K (8G)

Fatima Z K (8G)



Freya L M (8G)



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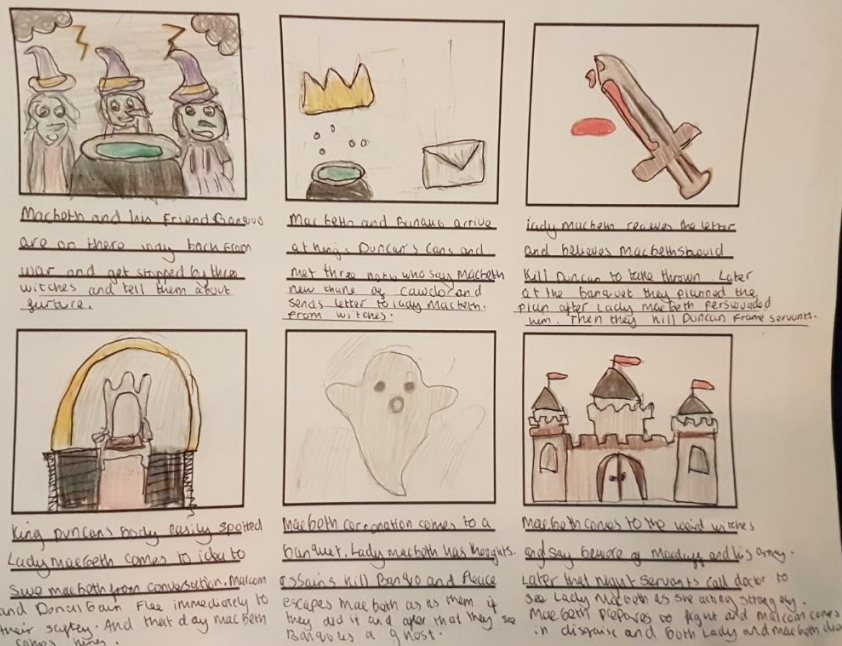


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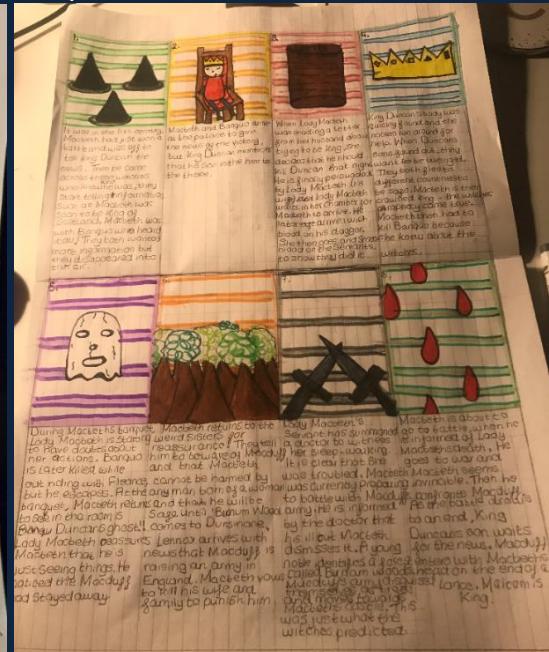
English

Superb 8S Macbeth Storyboards:

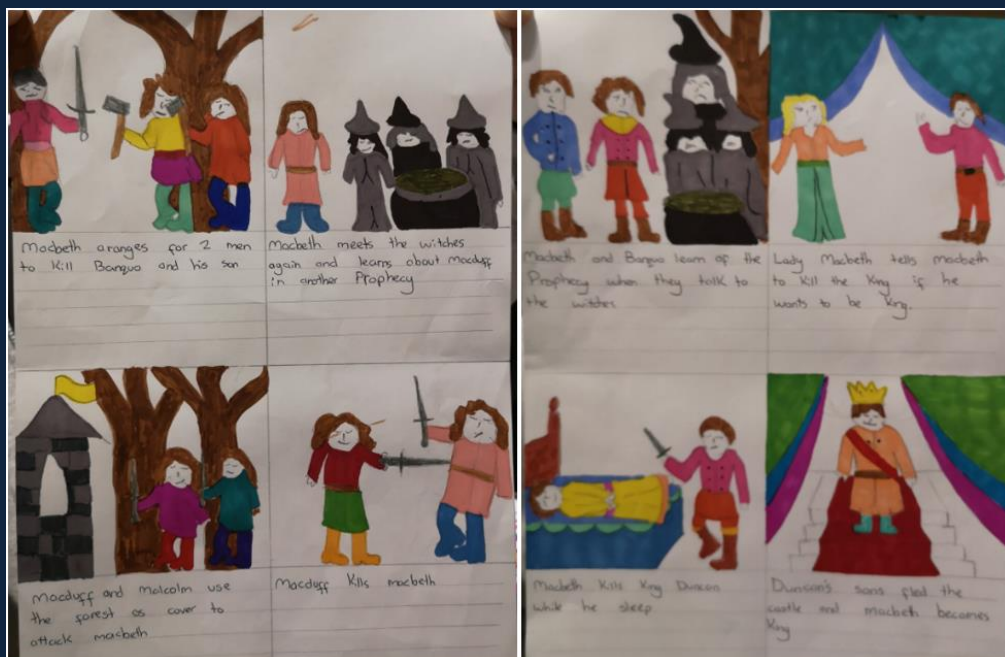
Mariyah M



Caitlyn J



Sarah P




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Eleanor H

4) The Weird Sisters




After Macbeth wins the battle. He and Banquo are going to tell Duncan the good news. They meet the weird sisters and they said that Macbeth will soon be Thane of Cawdor and later King. They also said that Macbeth and Banquo's descendants will become Kings.

1) Daggers for King Duncan




Lady Macbeth is reading a letter from Macbeth. Macbeth arrives back at Dunsmuir Castle and Lady Macbeth makes it seem that she wants him to kill King Duncan that night. Later at the banquet he was feeling a bit nervous. Later that night Macbeth smothered Duncan and then Lady Macbeth left the daggers in Duncan's room and covered the women in blood to make it look like the servants were to blame.

2) A trap for Banquo




Lady Macbeth is starting to have second thoughts about her actions and is wondering what Macbeth's plan is. On their return to Dunsmuir Castle Banquo and Fleance are intercepted. Banquo is killed but Fleance escapes. Macbeth sees his face plan filled with the ghost of Banquo.

3) Birnam Wood comes to Dunsmuir



Macbeth is about to go to battle when he is informed that Lady Macbeth has died. Then the two armies clash. It seems Macbeth is invincible and his vision inside the young noble, Siward. Then Macbeth is challenged by Macduff and the two of them fight. Macbeth tells Macduff that he cannot be beaten because Macduff 'was born of a woman'. Macbeth, realising another part of the prophecy is coming true, tells Macduff to 'lay on' and the fight continues. As the battle draws to an end Macduff kills Macbeth with his own great hall of Dunsmuir. Macduff enters with Macbeth's head on the end of a lance. The battle is won. Malcolm will be King and Siward is free of the Macbeths' tyranny. But what is the nature of Macbeth and Lady Macbeth's evil and what will happen to them - or something else?


11) All hail, Macbeth! Thane of Cawdor



Macbeth and Banquo arrive at Duncan's camp and one of the four weird sisters' prophecies came true - He is now Thane of Cawdor. Macbeth and Banquo arrived to tell Duncan about the battle.

12) All hail, Macbeth! King of Scotland!

When Malcolm and Donalbain learn of their father's murder they want to be absolved immediately. Macbeth then tells them that his servants are responsible and he has killed them already. Malcolm and Donalbain decide they are going to flee for their own safety. Macbeth is crowned King of Scotland - the weird sisters' second prophecy has come true. Then Macbeth engages the services of two assassins to kill Duncan's sons with the intention of preventing the witches' prophecy regarding Banquo and his descendants coming true.




13) Something wicked this way comes

!BEWARE!

Macbeth returns to the Weird Sisters, seeking reassurance. They tell him to 'beware Macduff', but he cannot be harmed 'by any man born of a woman' and that he will be safe until 'Birnam Wood comes to Dunsmuir'. Macbeth is relieved, believing himself to be safe.

14) Preparing for Battle



Lady Macbeth's servant has summoned a doctor to witness her stress since walking to England. Malcolm and Macduff have raised an army that they march North to battle with Macbeth. Lennox and Angus have also raised an army which they intend to unite with Malcolm and Macduff. Macbeth prepares to fight, confident that he is invincible. The army of Malcolm and Macduff unites with Angus & Lennox. They swear vengeance on Macbeth for his crimes. A young noble called Siward identifies a nearby forest as Birnam Wood and Malcolm commands the soldiers to dig up branches and use them as a shield so that Macbeth will not see the strength of their force.

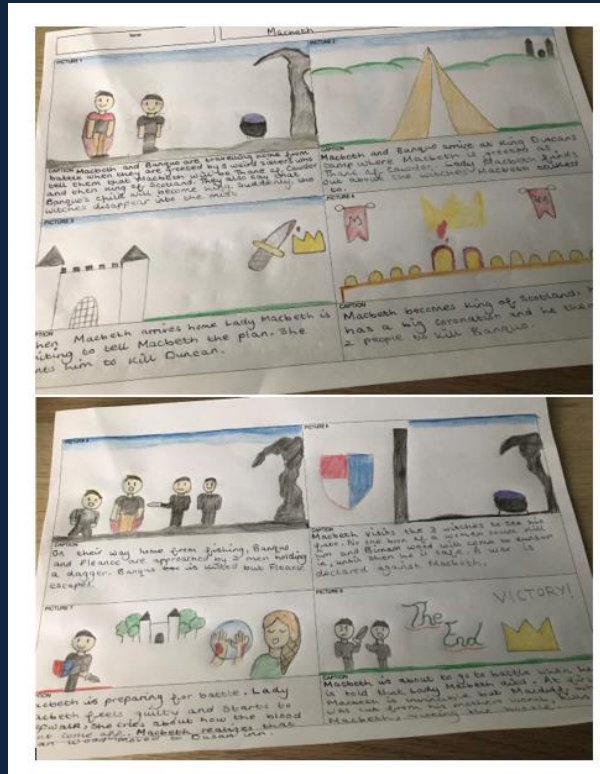
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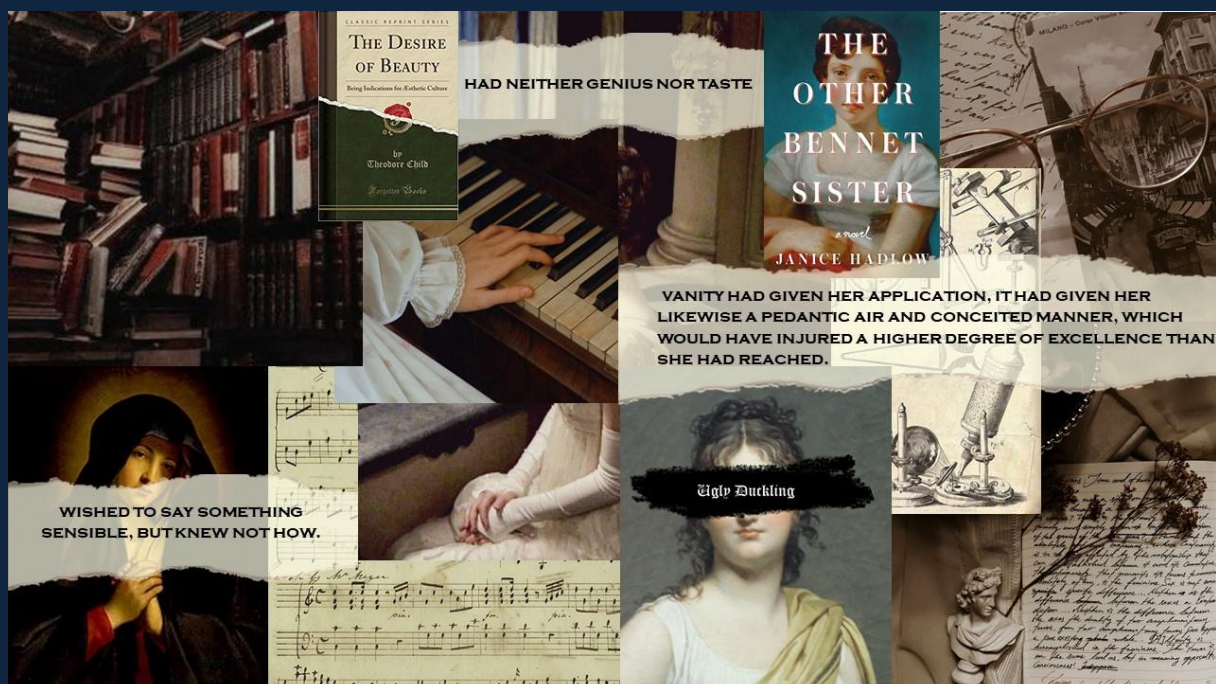


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Prisha P



A fantastic character Pride and Prejudice picture by Aaliya B (Year 10)



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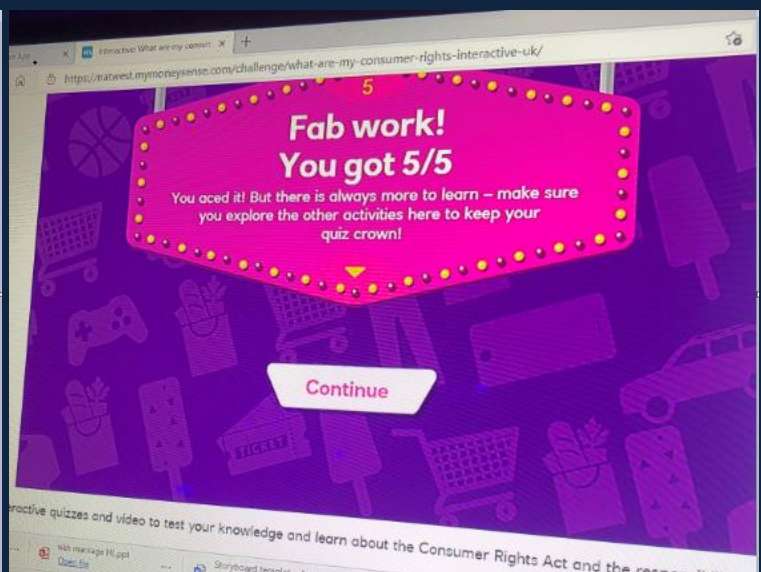
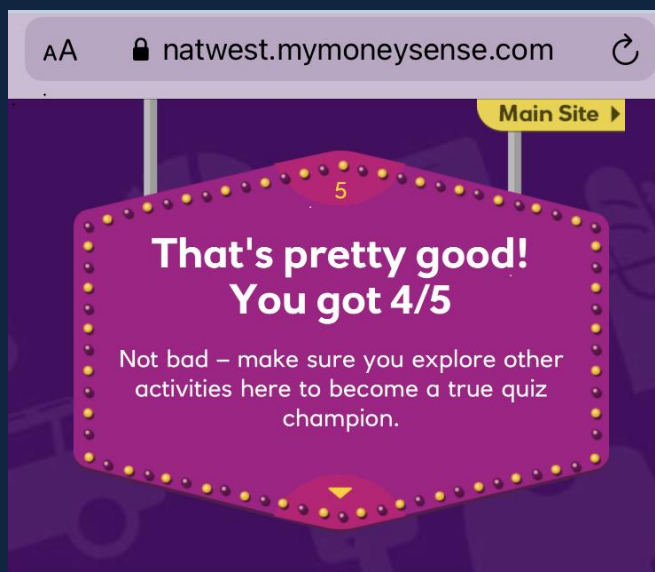
Life Skills Update and 'Shout Outs'

Year 7 have been looking at the Citizenship topic of 'Democracy'. They explored the meaning of democracy and how students can get involved. They looked at the main political parties, their leaders and the four special features of a democracy. Students also looked at the law and voting. They gave their opinion on whether they think that the voting age is correct. They then investigated ways that they could participate in democracy in school, for example by joining the student council.

'Shout outs' to Vidhya P and Sasha H of 7H.

Year 8 are coming to the end of their finance lessons and have used the NatWest Money Sense resource to explore consumer rights. They used the interactive quizzes and video to test their knowledge and learn about the Consumer Rights Act and the responsibility of the consumer. They also had the opportunity to look at the student's section with games and videos on money matters.

'Shout outs' to Abigail P, Victoria K and Gracie H for their great scores.



Year 9 have started to look at gender identity and stereotyping. They completed a key term match up game on the different gender identities. They looked at the meaning of LGBTQ and they investigated the meaning of stigmas and stereotyping and completed an activity on gay stereotypes. They also looked at 'Lee's Story' that led them to possibly stereotyping and identifying Lee as gay, lesbian or homosexual, dresses like a boy and isn't very girly, when in fact Lee is a girl who is heterosexual and dresses practical as she likes lots of sport. Students will continue to look at other areas of this important topic, such as homophobia, biphobia and transphobia over the coming weeks and have been given areas of advice and support such as the OK2BBE website, <https://www.stonewall.org.uk/help-advice/coming-out/coming-out-young-person>, and <https://kidshealth.org/en/teens/coming-out.html>.

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'Shout outs' to Grace H and Naomi J of 9J.

Gender identity and stereotyping

Lo: to understand gender identity and stereotyping.

Men:
Power
Strong
Sporty
Tough
Cocky
dependent

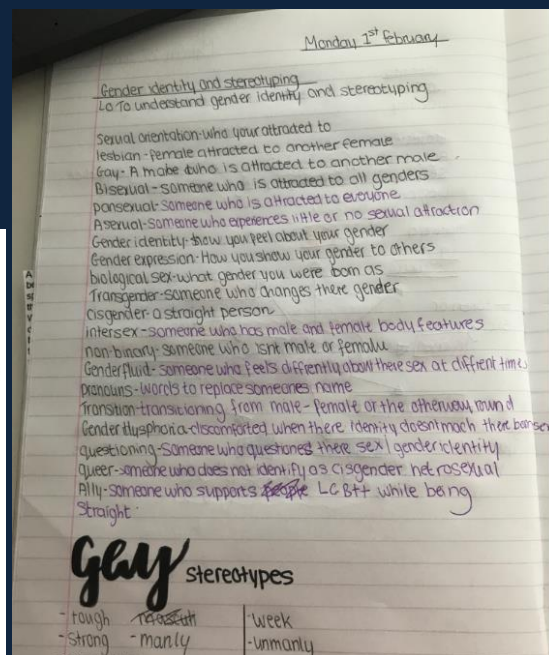
Gay man:
Feminism
Makeup
Girly
Independent
powerful

I think people stereotype gay men into being girly, feminist and into typical females because they think a gay man wants to become a female when most of the time they maintain male personality traits but also like men as well.

I think lee is just a normal female who is into things not all females are but she is still straight so because she doesn't wear makeup and dresses doesn't mean she likes girls and not boys.

What is a stigma?

- A stigma is a negative view towards someone or something
- A stigma discredits a person or a group because of their attributes. This can include illness, disability, ethnicity, nationality, sexuality and religion or simply the way they dress
- Stigma brings experiences and feelings of:
 - Shame
 - Blame
 - Helplessness
 - Distress



Year 10 investigated drug classification, the law and consequences. The responses to the questions on forms was extremely positive with almost 100% of students knowing the different classes of drugs and over 90% of students knowing that you could be arrested if under 18 for drug offences. All students that responded could name a place of support or advice on drug related matters.

Year 11 looked at the pressures online and again, had a great set of responses on forms. Almost 100% of students knew to report to CEOP if they felt they were being put under pressure to have sex or being made to feel uncomfortable online.

As next week is 'Safer Internet Week', all students will be focusing on this as part of their Life Skills lessons, as well as in their computing lessons and other areas of school life.

KS3 students will focus on unreliable internet content and KS4 students will look at the role of influencers. In a world where internet usage has dramatically increased, it is more important than ever that students engage with this. The theme for this year is 'together for a better internet.'

Mrs R Cahill
Life Skills Co-ordinator

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Health and Social Care

'Shout outs' to the following students:

Sienna B- restructuring her work.

Sarah T - detailed use of feedback.

Raeesah B - diligent work.

Caitlyn R- adding detailed information linked to success criteria.

Fareesha K- use of feedback to improve her assignment.

Khadija B - not giving up but trying to rephrase research into her own words.

Malaeka K- use of feedback to improve her work.

Megan B- use of feedback to restructure and improve her assignment.

Olivia N-M- working towards a merit/distinction.

Modern Foreign Languages

Our students have been working so hard during lockdown lessons and here are some of our top workers:

Key Stage 3 MFL Hardworkers:

Holly W 7J

Hayley R 7G

Emily B, George G, Holly P 7H

Jessica D, Megan L, Deanne K 7P

Hanya A, Lojaina A, Khitam A, Charlotte H 8J

Kayleigh H 8H

Olivia H, Hannah B, Eshaal M 8P

Sophia H 8G

Eleanor H, Elena L, Fatima-Zahra P 8S

Ruby R 9S

Darcey R 9J

Bridget C-S, Keira-Leigh R, Aoifa C, Anna K 9P

Molly C, Ella N, Elyse F 9G

Jess B, Vanaysha G, Emma B 9H

Key Stage 4 MFL Hardworkers:

Year 10: Amelia S, Sophia M-C, Leah B, Aamina P,
Freya A, Felicity A, Alice C, Carla D and Ellie R.

Year 11: Anaum M, Darcy S, Evie S, Khadijah Y,
Lily T, Eve M, Aisha A

Language Stars!

7P German:

Grace B (Blooket and Sprachenexpert expert)

Y8 French Stars:

Fatima Zahra K 8G

Hannah T 8H

Savo A 8J

Alice W, Libby W 8P

Saoirse S 8S

Y9 French Stars. Well done on your excellent score in the Listening and Reading assessments!

Charlotte B, Maia F, Hana M 9P

Sandra H 9G

Sian H 9H

Amirah P, Emily H 9S

Louise P-R 9J

Y10 French Top Active Learners:

Hidayah A 10J 100%

Abby L 11S 100%

Sana R 11G 96%

Zaynab B 95%

Y11 French SRA Top Active Learners

Erin N 11J 98%

Olivia B 11H 96%

Lucy W 11J 91%

Sammy C 11G 90%

Newsletter

Friday 5th February
2021



Penwortham Girls' High School

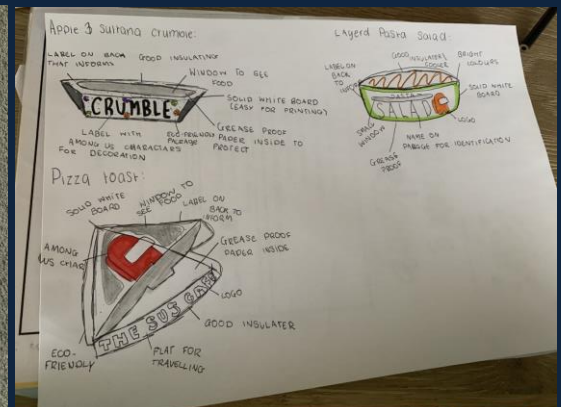
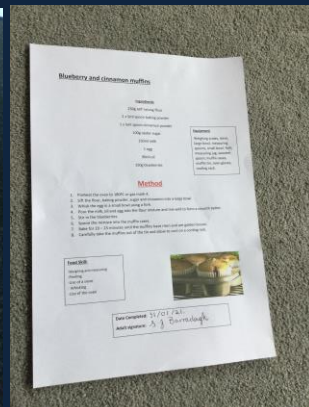
C.A.T. Faculty

Food Preparation and Nutrition:

Maisy E in Year 7 made some excellent Somosas!



Well done to Grace B and Sydney NC (Year 7) for their excellent classwork.



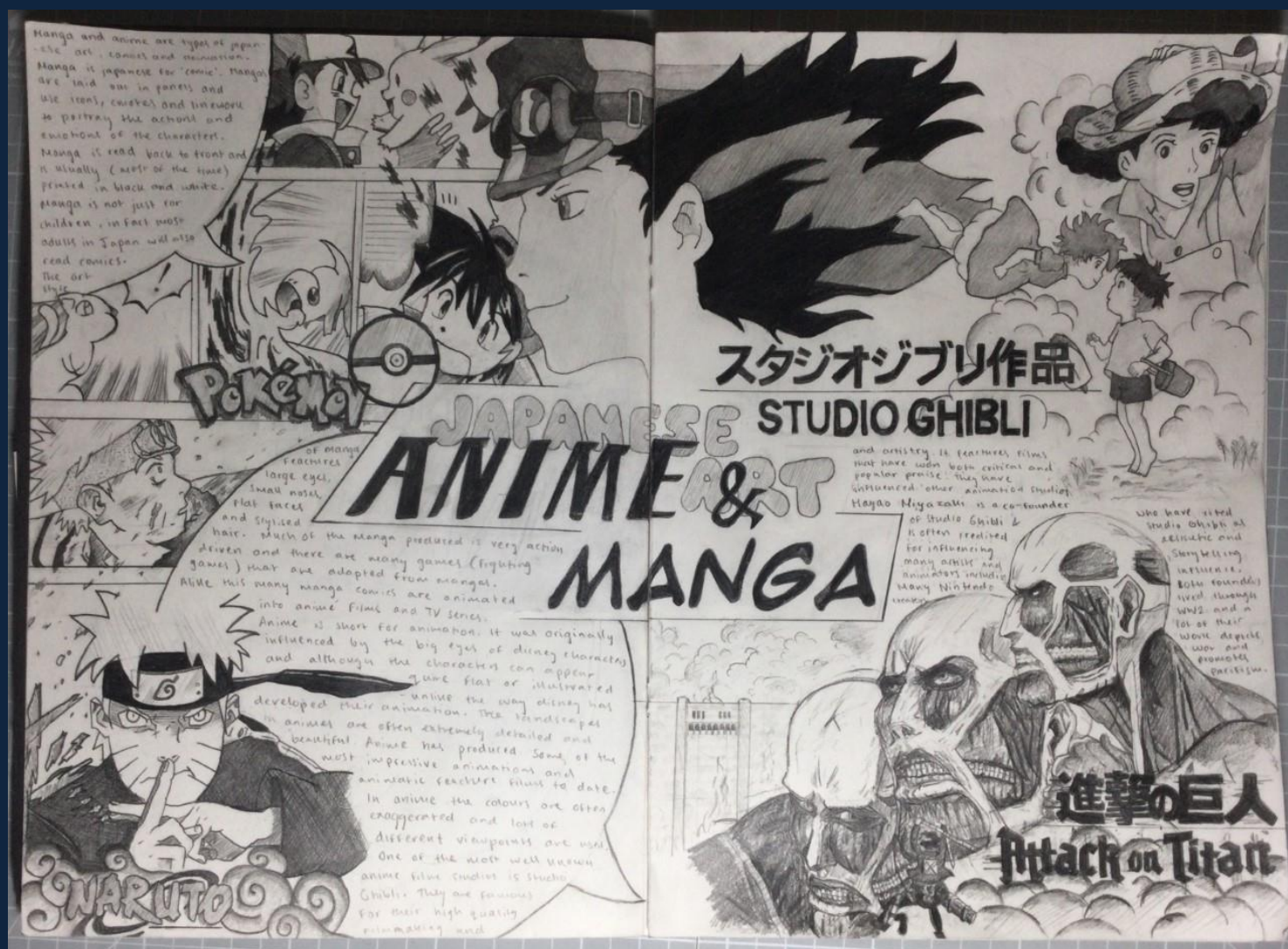
Friday 5th February
2021



Penwortham Girls'
High School

Art

Fantastic art title page for Anime and Manga. By Anna K (Year 9)



Newsletter

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Penwortham Girls'
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Maths

Excellent work in Maths by Mariam A (Year 11)

6) Give your answer to 1 d.p.
 $\frac{2x-1}{x} - \frac{4}{x+2} = 5$, $\frac{2x^2-x+2x-2-4x}{x^2+2x} = 5$
 $\frac{2x^2-3x-2}{x^2+2x} = 5$, $2x^2-3x-2 = 5x^2+10x$
 $3x^2+13x+2=0$
 $x = \frac{-11 \pm \sqrt{11^2 - 4 \times 3 \times 2}}{2 \times 3} = \frac{-11 \pm \sqrt{121 - 24}}{6} = \frac{-11 \pm \sqrt{97}}{6}$
 $x = -3.5$ ✓

7) Give your answer to 2 d.p.
 $\frac{x-4}{x+5} - \frac{3x-2}{x+1} = 1$, $x^2+x-5x-4 - (3x^2+3x-2-2x-10) = 0$
 $-2x^2-16x+6 = 0$, $x^2+x+5x+5 = 0$
 $x^2+6x+5 = 0$, $2x^2+16x+6 = x^2+6x+5$
 $3x^2+22x-1=0$
 $x = \frac{-22 \pm \sqrt{22^2 - 4 \times 3 \times -1}}{2 \times 3} = \frac{-22 \pm \sqrt{484 + 12}}{6} = \frac{-22 \pm \sqrt{496}}{6}$
 $x = -7.38$ ✓

Extension = $\frac{x}{3} - \frac{x}{4} = 6x+9$
 $\frac{4x}{12} - \frac{3x}{12} = 6x+9$
 $\frac{x}{12} = 6x+9$
 $x = 72x+129$
 $12a = x-72x$
 $12a = x(1-72)$
 $x = \frac{12a}{-71}$ ✓

1) $p = \frac{2a-25}{10-a}$ = Make a the subject
 $10p-ap = 2a-25$
 $10p+25 = 2a+ap$
 $10p+25 = a(2+p)$
 $a = \frac{10p+25}{2+p}$ ✓

2) $8 = \frac{m+3c}{m-f}$ = Make m the subject:
 $8m-8f = m+3c$
 $8m-m = 3c+8f$
 $m(8-1) = 3c+8f$
 $m = \frac{3c+8f}{8-1} = \frac{3c+8f}{7}$ ✓

3) $\pi x = \frac{m+8}{m-1}$
 $\pi x m - \pi x = m+8$
 $\pi x m - m = 8 + \pi x$
 $m(\pi x - 1) = 8 + \pi x$
 $m = \frac{8 + \pi x}{\pi x - 1}$ ✓

4) $y = \frac{m+4}{m+5}$
 $ym+5y = m+4$
 $ym-m = 4-5y$
 $m(y-1) = 4-5y$
 $m = \frac{4-5y}{y-1}$ ✓

5) $2 = \frac{m+k}{m-t}$
 $2m-2t = m+k$
 $2m-m = k+2t$
 $m(2-1) = k+2t$
 $m = \frac{k+2t}{2-1} = \frac{k+2t}{1}$ ✓

Extension: Make t the subject in
 $T = 2\pi \sqrt{\frac{l}{g}}$
 $\frac{T}{2\pi} = \sqrt{\frac{l}{g}}$
 $1 = \left(\frac{T}{2\pi}\right)^2 g$ ✓

Challenge: Make u the subject:
 $\frac{1}{f} = \frac{1}{u} + \frac{1}{v}$
 $\frac{1}{f} = \frac{u+v}{uv} \Rightarrow \frac{uv}{f} = u+v \Rightarrow uv = fu+fv$
 $uv-fu = fv \Rightarrow u(v-f) = fv \Rightarrow u = \frac{fv}{v-f}$ ✓

Starter:
 1) Factorise fully $15x^2-10x = 5x(3x-2)$ ✓
 2) Expand & simplify $(x+3)(x-4) = x^2-x-12$ ✓
 3) Evaluate $9^{\frac{3}{2}} = 27$ ✓
 4) Calculate the distance between A(2,5) and B(-3,9)
 $5^2+4^2 = 41$
 $\sqrt{41} = 6.4$ ✓

27th of January 2021

Rearranging formulae
 10: To understand how to change the subject of a formula.
 Make x the subject:
 1) $y = \frac{x}{a} + b$ $y-b = \frac{x}{a}$ $x = a(y-b)$ ✓
 2) $y = \frac{x+b}{a}$ $ya = x+b$ $x = ya-b$ ✓

a) $y = \sqrt{x-2}$ $y^2 = x-2$ $x = y^2+2$ ✓
 b) $z+3 = \sqrt{x-5}$ $(z+3)^2 = x-5$ $x = (z+3)^2+5$ ✓

c) $f^2x = g+5x$ $f^2x-5x = g$ $x(f^2-5) = g$ $x = \frac{g}{f^2-5}$ ✓
 d) $uv^2x = vx-u^2$ $u^2 = vx-uv^2x$ $u^2 = x(v-uv^2)$ $x = \frac{u^2}{v-uv^2}$ ✓

e) $g = x+ax-bx$ $g = x(1+a-b)$ $x = \frac{g}{1+a-b}$ ✓
 f) $fx^2-h=g$ $fx^2 = g+h$ $x = \pm \sqrt{\frac{g+h}{f}}$ ✓

g) $z = \frac{x^2}{5} - 7$ $5z = x^2 - 35$ $x^2 = 5z+35$ $x = \pm \sqrt{5z+35}$ ✓
 h) $m = 3x+ax$ $m = x(3+a)$ $x = \frac{m}{3+a}$ ✓

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Penwortham Girls'
High School

Head's Commendations



Ellie B, Jessica B, Abbie J (Year 11)

Consistently high standard in all online German lessons and super effort throughout all work.

Carla D, Zahra N, Khadijah S (Year 10)

Consistently high efforts in all German lessons. Accurate grammar work and your vocabulary learning is excellent.

Evie C, Isabelle W, Tasneem D (Year 11)

Excellent online effort in Languagenut in your reading and listening skills. Consistently good attitude to all aspects of German learning.

Jaspreet K (Year 10)

Exceptionally detailed assignment for human lifestyle development.
Excellent incorporation of further success criteria. Well done! (Health and Social Care)

Vidhya P, Hattie C, Nusaibah B, Sofia W, Lydia W, Emma S, Abigail K, Grace D (Year 7)

Fantastic work on your Shakespeare assessment. (English)

Raeesah B (Year 10)

Exceptionally detailed notes, elaborated upon for a detailed assignment submission. Well done for extremely detailed and diligent work!

Olivia N M (Year 10)

Using feedback to continually improve work. (Health and Social Care)

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Penwortham Girls'
High School

Head's Commendations

Amber R (Year 9)

Well done for winning the Christmas jumper competition for Year 9 - you did an amazing job! (Art)

Charlotte R (Year 8)

Well done for winning the Christmas jumper competition for Year 8 - you did an amazing job! (Art)

Lydia W (Year 7)

Congratulations on winning the Christmas jumper competition for Year 7 - your entry was amazing! Well done! (Art)

Jennah K (Year 8)

Jennah created an outstanding storyboard, retelling the origin story of the Khalsa. The detailed descriptions and artistic illustrations were fantastic! (RE)

Grace H, Saniya P, Tilly P (Year 9)

Outstanding way to present your findings from the global wardrobe lesson. (Geography)

Violette F, Alexa L, Maryam M, Megan H (Year 9)

Well done for presenting your findings from the global wardrobe lesson in such a creative way! (Geography)

Paris A (Year 11)

Use of feedback and exam board examples to continuously improve work. (Food Preparation and Nutrition)

Ellie B (Year 11)

Excellent work and effort throughout. (Food Preparation and Nutrition)

Mariam A (Year 11)

Full marks work on two sections of NEA. A pleasure to mark! (Food Preparation and Nutrition)

Jessica B (Year 9)

Jess created a script for a debate comparing Christian and Buddhist views on suffering. Her effort was outstanding, the script was detailed and full of insightful points and examples.

Natalie U (Year 7)

Created a fantastic poem to retell the Christian creation story. Outstanding effort! (RE)

Florence W, Lily S, Mariella M (Year 7)

Created a fantastic video to retell the Christian creation story. The effort put into this piece of work was outstanding!

Friday 5th February
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Penwortham Girls'
High School

Head's Commendations

Emerson W and Darcey P (Year 7)

Fantastic effort put in to designing a creative and thoughtful logo for World Religions Day. (RE)

Naadiya A, Jenna K and Olivia R, Barbara N, Jasmine S, Lydia W, Sofia W and Kyra T (Year 7)

Thoughtful symbol created for the World Religion Day competition. (RE)

Eden F (Year 7)

A fantastic effort put in to designing a very creative and thought-provoking logo for World Religions Day.

Victoria K, Gracie H (Year 8)

Fantastic performance of 'Any Dream Will Do'. (Music)

Jennah K, Abit C, Mia S-B, Freya S, Fatima Z-K, Isabelle H, Sophia H, (Year 8)

Excellent 'Just Write' task. (English)

Anna K (Year 9)

Outstanding Anime work! (Art)

Lucy P (Year 10)

Excellent work in Photography over the past few weeks – brilliant! Keep it up, Lucy!

Amina F (Year 10)

Excellent work in Photography over the past few weeks – brilliant! Keep it up, Amina!

Olivia S (Year 9)

Well done for completing some extra work on researching stem cells! (Science)

Katie T and Neve H (Year 7)

For a very creative way of giving examples of some mathematical symbols. (Science)

Friday 5th February
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Penwortham Girls'
High School

APPRENTICESHIP VIRTUAL OPEN EVENT

MONDAY 8TH FEBRUARY
4-7PM

PRESTON'S COLLEGE  

Register now:
[preston.ac.uk/
appevent](https://preston.ac.uk/appevent)



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APPRENTICESHIP VIRTUAL OPEN EVENT

On the night you can...

- › Learn about what an apprenticeship is
- › See our campus
- › Meet and speak to the Apprenticeship Team
- › Hear from our employer partners and apprentices
- › Speak to our Industry Professionals
- › View our live apprenticeship vacancies
- › Find out how to write a CV ready for an employer

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- › AAT Accounting
- › Automotive Technologies
- › Construction and the Built Environment
- › Digital & IT
- › Dental
- › Electrical Installation ^
- › Engineering
- › Hair & Beauty
- › Health & Social Care
- › Leadership & Management
- › Marketing
- › Painting & Decorating
- › Pharmacy
- › Plumbing & Dry Lining
- › Plumbing & Gas ^
- › Science (Lab Tech)
- › Wall & Floor Tiling

^ training in partnership with JTL

*please see the college website for our full list of apprenticeship programmes and levels of study for each industry sector

www.preston.ac.uk

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Penwortham Girls'
High School

SCHOOL LEAVERS

HOW COULD AN APPRENTICESHIP BENEFIT YOU?



EARN A REAL WAGE



GET A RECOGNISED QUALIFICATION



SET YOURSELF UP FOR THE FUTURE

WHAT IS AN APPRENTICESHIP?

An apprenticeship is a genuine job and under all circumstances an apprentice will be employed from day one. Apprenticeships combine practical training in a job with study. Once you have identified the apprenticeship programme right for you, we will match you to one of our trusted main providers and work with them to deliver your apprenticeship training.

An apprentice will:

- work alongside experienced staff
- gain job-specific skills
- earn a wage and get holiday pay
- be given time for study related to their role (the equivalent of one day a week)

Friday 5th February
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Penwortham Girls'
High School

APPRENTICESHIPS WE OFFER:

- Hair Professional Level 2
- Advanced and Creative Hair Professional Level 3
- Business Administrator Level 3
- HR Support Level 3
- HR Consultant and Partner Level 5
- Customer Service Practitioner Level 2
- Customer Service Specialist Level 3
- Adult Care Worker Level 2
- Lead Adult Care Worker Level 3
- Leader in Adult Care Level 5
- Learning Mentor Level 3
- Assessor or Coach Level 4
- Team Leader and Supervisor Level 3
- Operations and Departmental Manager Level 5
- Don't see anything you like? Send us an email with your suggestion and we'll see what we can do!

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Visit our website
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REGISTER YOUR INTEREST:



Choose a course that interests you



**Email us: info@nemaltd.org with
your details and course of interest**



**Sit back and we'll find you an
employer!**

WHAT CAN YOU EARN?

The national minimum wage (NMW) for apprentices is £4.15 per hour from April 2020. The apprentice NMW applies to apprentices aged under 19 or aged 19 or over and in the first year of their apprenticeship. Apprentices aged 25 and over, and not in the first year of their apprenticeship, will be entitled to the National Minimum Wage.

This is the legal minimum pay per hour, most receive more. The Apprenticeship Pay Survey 2016 estimated the average gross hourly pay received by apprentices in Great Britain was £6.70 an hour for level 2 and 3 apprentices which is equivalent to nearly £14,000 per year. More details on salaries and entry criteria in specific apprenticeship occupations can be found on GOV.UK and search 'apprenticeships'.