



HoY Newsletter 25th January—Year 9

Head of Year's Message:

Hi all,

I hope you are all staying safe and well in this second round of lockdown and remote learning. In what was a strange 2020, this is also a difficult way to begin our 2021, but I am so glad to see the dedication and resilience of our Year 9 students as they continue to log in each day to access their online learning. The attendance of the students continues to improve every day and the effort being put into their work and lessons is also extraordinary and we will celebrate this in a moment.

I want to take this time to remind you that you are doing brilliantly. Working at home isn't easy but hopefully with the live lessons your teachers are presenting you feel supported and able to access the work. Parents, managing the home schooling around the rest of the family, work and other commitments isn't easy and I thank you all for your hard work and support in getting the students online and working, it makes such a difference.

Support is always available. Talk to me, your form tutors, Mrs Neale or Mrs Mulliner if you need to. Access Zumos for extra resources to help facilitate that support – your tutors have all the information to help you log in and set up an account and are using it during your form time.

You will also find an email will be sent out containing a link to a small survey, one for students and one for parents, on behalf of the pastoral team. Please could I ask you fill this in, it will take less than 5 minutes, so we can understand how we are doing and what extra support may be needed.

And as a reminder, here is the absence line's direct number to phone if your child is unwell and unable to participate in their lessons. **01277 238919**

Please feel free to contact me if you need anything.

Miss Gosling

e.gosling.bch@osborne.coop

Workers of the Week

As always, I have been busy talking to all your teachers to look at your attendance and engagement in your remote learning. I am so impressed by how well you are all doing and it is so difficult to pick just two winners for this newsletter. Below I have selected those who have been given top marks across their lessons for engagement, but below this I have also listed those who received praise across the board as you are all doing so fantastically.

Firstly, this individual is named as my first 'Worker of the Week' due to their phenomenal effort to complete their work at home. This individual has received positive praise from every subject and has completed all work set for him so far as well as earning two outstanding badges for the work submitted. So, congratulations to ... **Taylor J.**

My second 'Worker of the Week' also got unanimous positive feedback from all of her teachers showing me just how hard she is working to keep on top of all of her studies. This student has completed all her live lessons and assignments also earned some outstanding recognition for her hard work. So, congratulations to ... **Caitlin P.**

A special well done to all of the following who received lots of positive feedback from their teachers and are working hard too.

Theofania D	Isabelle F
Evie G	Kayley G
Holly H	Thomas P
Freya P	Katie R
Zachary T	Freddie W
Daisy W	Faith T
Keira S	Jake S
Scarlett R	Jayden R
Saffron R-D	Caradoc O-A
Pramit J	Harry H
Jamie N	Sophie E
Oscar E-G	Callum D
Grace D	Katie D
Primrose C	Joe C
Ruby B	Scarlett B
Bobby B	Riley A-W

Excellent Work

Kieran [REDACTED] - Assessment Excerpt

Another way the director can create meaning in the movie is the fast-paced editing, this kind of editing evokes a sense of thrill in the audience as the fight goes on. There are also some parts where the time between cuts is increased, this can create a sense of suspense or fear in the viewer as there is more time before the final result is announced, it also creates suspense as the longer gap between frames makes the audience think that something bad is about to happen.

Miss Jordan has submitted two excerpt's from her classes recent assessment as excellent examples of work.

Zachary [REDACTED] - Assessment Excerpt

The sound is a major part of this specific scene and creating a deep meaning to the audience. As the fight begins African tribal drums can be heard in the background – again linking back to the African culture. The drums immerse the audience as the drums touch the audience giving a sense of belonging in the scene. As T'challa is injured, you can hear the sound of his supporters upon the rocks chanting his name and through all this you can specifically can hear the Queens disoriented voice shouting "kill him!" The disorientation is due to the T'challas injures and also tries to take the scene from T'challas perspective. As the king is crowned a soundscape of cheers and chants can be heard giving you a happy and victorious feeling to the audience.

She was particularly impressed by the way Zachary T'S was able to understand the context of the film and use such advanced terminology so early on.

I believe this film was heavily inspired by the lack of black actors in film as most the cast is from different cultures of black. The film has obviously dug deep into the African culture as most of the music is African, the art on the actors chest seems tribal, the masks used are inspired by the African culture the whole film revolves around the African culture and pays respect to it. This has led onto more black actors being featured in the Marvel Storyline as Black Panther is a main part of the Marvel story.

Great job, both of you!

Medicine in the Early 20th Century



What were the main features of aseptic surgery?
All medical staff had to wash their hands, face and arms before entering the operating theatre. Rubber gloves and gowns were worn, decreasing the rate of infection in 1890's.

Why was the development of aseptic surgery important?
The air was sterilised by being pumped over the heating system to kill germs.

Why would aseptic surgery be both important and very difficult to achieve on the Western Front?
It was important to help the soldiers because their wounds would end up infected and it was very difficult because it was in trenches where there is bacteria and all different illnesses and dirt.



How were x-rays discovered?
In 1895, Wilhelm Roentgen, a German physicist, was studying the effect of passing an electrical current through a glass tube covered in black paper.

Why were x-rays important?
They show where shrapnel was in the body after the body was hit by a bullet.

What early problems emerged from the use of x-rays?
Radiation exposure which could cause hair loss and burns.

Do you think the benefits of x-rays outweighed their dangers? Explain your answer.
I would not get an x-ray back then, if it started to get worse and hurt more than I would get an x-ray.



What is a blood transfusion?
Giving blood to someone who has lost a lot of blood.

Who did the early experiments in human blood transfusion?
James Blundell

How successful were the problems associated with blood transfusions solved by the early 20th century?
He carried out the blood transfusions by having two people sit side by side.

Problem	Solution to prevent
blood coagulates	attempt to find chemicals, such as sodium bicarbonate to prevent clotting. Certain people can prevent clotting.
rejection of the transfused blood	First transfusion discovered that blood groups exist.
danger of infection	The discovery of aseptic methods of surgery in 1890's led to the use of antibiotics.

Medicine in the Early 20th Century



What were the main features of aseptic surgery?
All medical staff had to wash their hands, face and arms before entering the operating theatre. Rubber gloves and gowns were worn, decreasing the rate of infection in 1890's.

Why was the development of aseptic surgery important?
The air was sterilised by being pumped over the heating system to kill germs.

The use of steam sterilisation machine was called autoclave was invented in 1881.

Why would aseptic surgery be both important and very difficult to achieve on the Western Front?
It was important to help the soldiers because their wounds would end up infected and it was very difficult because it was in trenches where there is bacteria and all different illnesses and dirt.



How were x-rays discovered?
In 1895 by Wilhelm Roentgen a German physicist, was studying the effect of passing an electrical current through a glass tube covered in black paper, he noticed that although everything in the room was darkened, a screen about a metre from the equipment had begun to glow. He called these rays that could pass through glass 'x'.

Why were x-rays important?
They could show where shrapnel was in the body after the body was hit by a bullet.

What early problems emerged from the use of x-rays?
Radiation exposure which could cause hair loss and burns.

Do you think the benefits of x-rays outweighed their dangers? Explain your answer.
I think that the x-rays are beneficial because the burns and the radiation isn't as strong from the x-ray and it can heal over time.



What is a blood transfusion?
A blood transfusion is when blood is taken from another body that has the same blood type as you and they then pump it into your veins.

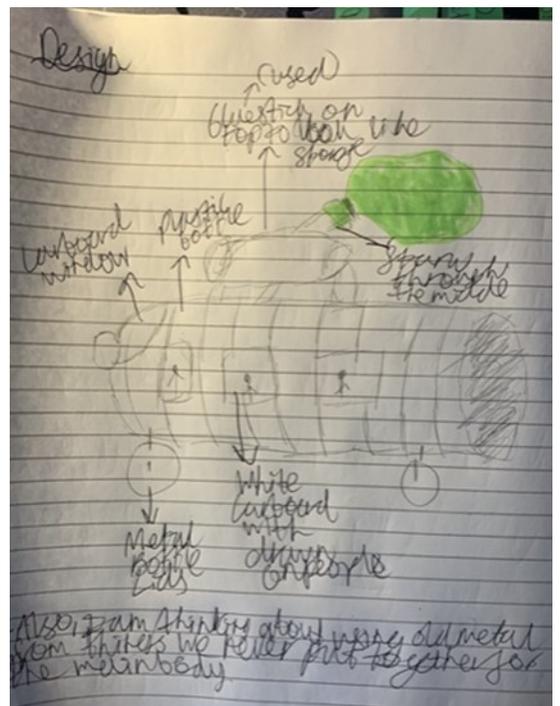
Who did the early experiments in human blood transfusion?
James Blundell did the first experiments in human blood transfusions and development in equipment.

How successful were the problems associated with blood transfusions solved by the early 20th century?
They aren't great because the blood transfusion could cause blood clotting and that thickens the blood when running in the tubes when the transfusion is happening. There are type 'o' blood group, Type A blood group, Type B blood group, Type AB blood group.

Miss Day was really impressed by Kayley G's and Grace D's effort in their history lesson learning about their medicine topic.



Mr Gregory wanted to celebrate the fantastic work of Isabelle F who created some beautiful letter work design. He also commended Freddie W's excellent work on his balloon powered buggy design.



17.

Explain the advantages of switching to renewable energy sources

Firstly, you are helping the environment, the burning of fossil fuels is killing our environment with the greenhouse gases being released into the atmosphere, the pollution; leading to climate change (and acid rain). Moreover, when the main resources of non-renewable energy runs out you will still be able to live your every day life because your power will be naturally replenished, so you can maintain your quality of life. Also, it could greatly help a countries financial and economic state as they would no longer have to spend money on damaging fossil fuels to power the country, but instead provide their own environmentally safe energy. As well as this, It could help many poorer people in the world as energy and things like heating is expensive but with a renewable energy source, costing much less, it would allow more people to have access to things like heating and electricity.

18.

Explain how the exploitation of oil in Ecuador may damage the rainforest environment

Well, the oil extraction has led to pipelines in the rain-forest to crack open, therefore leading to waste pits filled with crude oil waste and toxic sludge overflowing the pits. Then, these toxic solutions spread into the rivers of Oriente causing pollution throughout the rain-forest, which then leads to severe damage in local ecosystems and to natural resources. Moreover, this affects the indigenous people as well, as they need the water for drinking, cooking, bathing and fishing, so this could kill them. Talking of the fish, the toxic sludge will not only be destroying many habitats but also killing many fish in those rivers.

Mr Kingdom wants to send his congratulations to Oscar E-G for his excellent Geography work.

Student Shout-Out;

Miss Biykele wants to send a shout out to Paige C for her dedication to her French studies. She is very impressed by the level of effort she is putting into her work and checking in with Miss to see if she can improve on it.

Miss Bowerfield wanted to commend the hard work of Keira S, Ethan S, Saffron R-D, Theo D and Kayley G on their fantastic music lesson where they took part in lots of discussion about songs with important messages and shared

House points

				
2184	1039	2557	2697	2390

Here are the up to date house points for Year 9.

Keep all your HoY challenges coming in and ensure you are working hard to gain achievement points for your house!