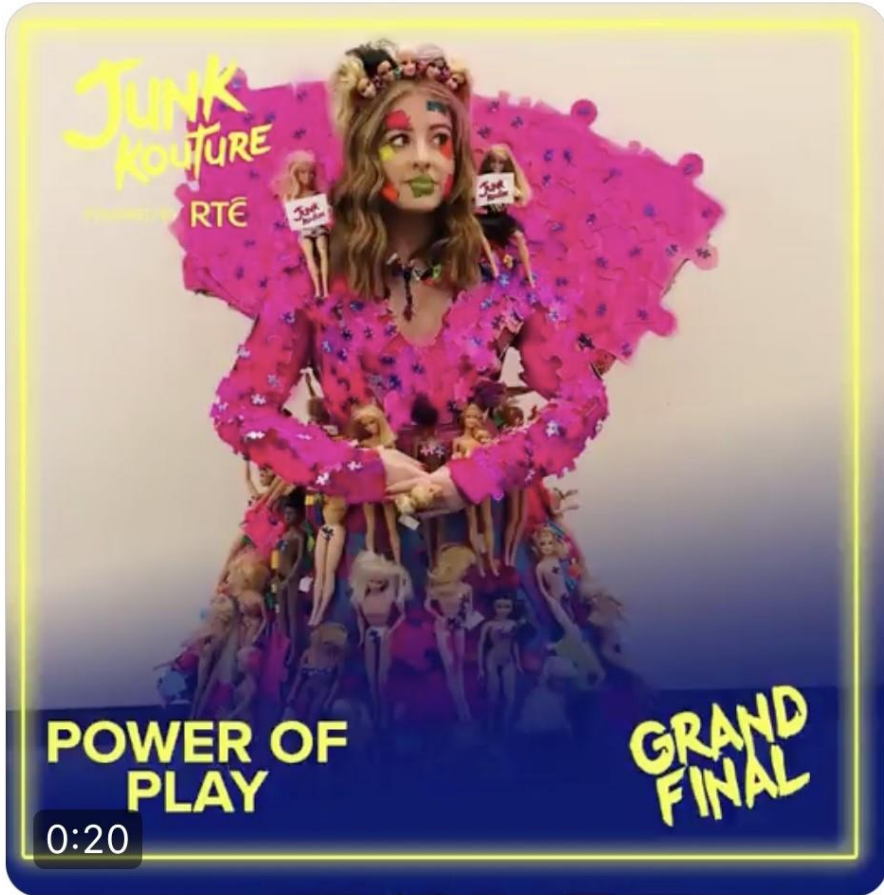


Grange Academy Bulletin

8TH FEBRUARY 2021

Beth and Kayleigh

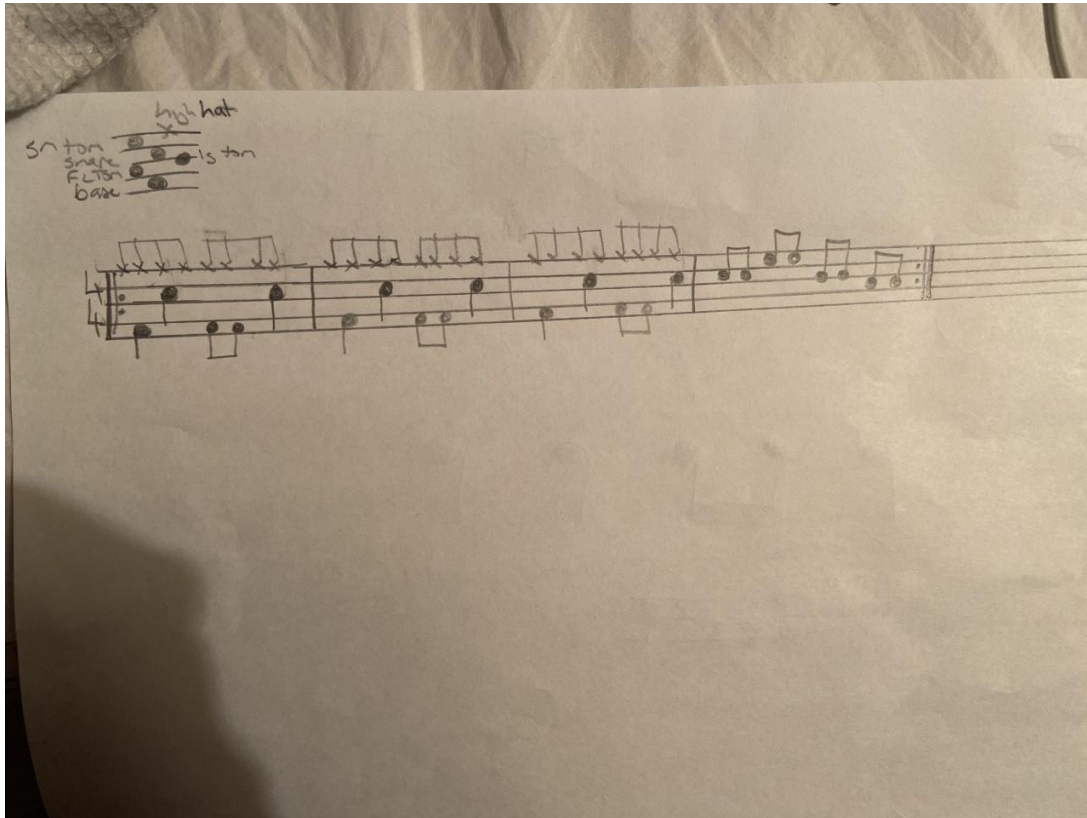


Beth Brown and Kayleigh Law are the talented creators of this magnificent dress, which they designed and made as part of the Junk Kouture Competition last year. The delayed Grand Final was on television this weekend and we could not be more proud.

Grange was the only Scottish school represented.

Thank you to both girls for their artistry and hard work.

Aidan

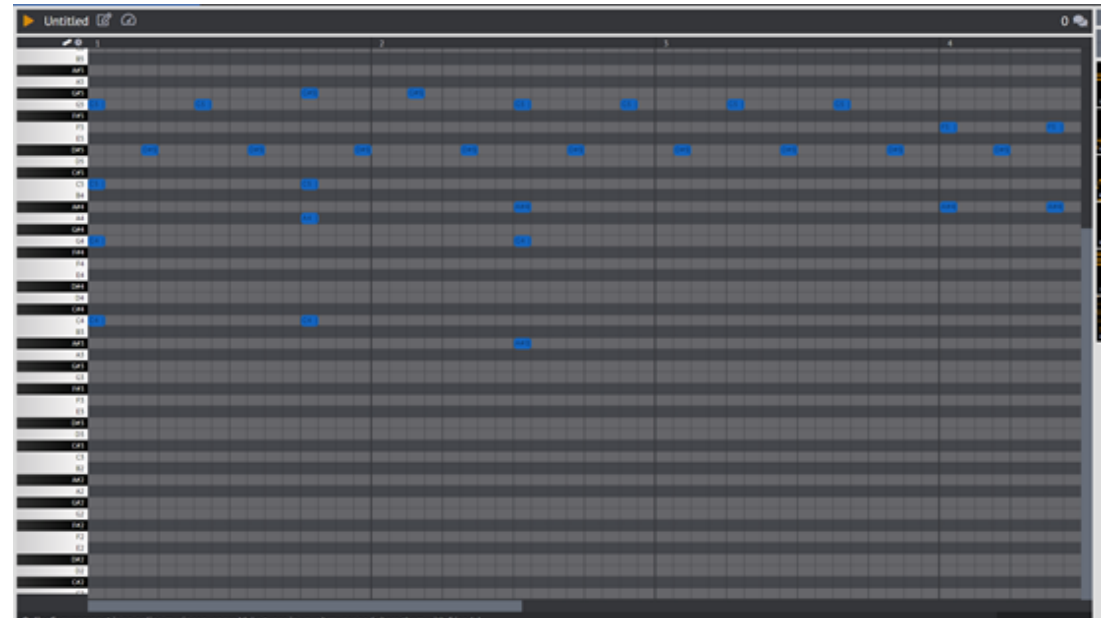


Well done to Aiden McQuiston, S3, whose Music work was great last week. He wrote out some music for drum kit and then sent Mr. Ramsay a photograph and an audio recording of him playing it.

Good work!

S3 Music

Mrs. Cravens' S3 musicians were given the task of creating sequences, melodies, harmonies, and loops using an online music sequencing programme. They have been really creative!



National 5 Physics

Mrs. Williamson's National 5 physicists have been researching different planets, stars, and the Big Bang.

MARS

- **Mars** (diameter 6790 kilometres) is only slightly more than half the size of **Earth**(diameter 12750 kilometres). Note the difference in colour between the two planets. Almost 70% of **Earth's** surface is covered by liquid water. In contrast, **Mars** now has no liquid water on its surface and is covered with bare rock and dust.
- **Mars**, also known as the Red Planet, is 33.9million miles (54.6m kilometres) away from Earth. It is 141.6m miles (227.9m kilometres) away from the Sun.
- It takes Mars 687 Earth days to orbit the sun.
- The atmosphere of Mars is about 100 times thinner than Earth's, and it is 95 percent carbon dioxide.
- Earth has an average of 57 degrees F and Mars has an average of -81 degrees F
- The gravity on Earth is 2.66 that of Mars and Mars is 0.375 that of Earth

Neptune

- ❑ Neptune has a radius of 15,299.4 miles. This is about 4 times wider than earth's radius which is 3,958.8 miles
- ❑ Neptune's distance from the sun is 4.4759 billion km.
- ❑ It takes Neptune 165 years to orbit the sun
- ❑ The average length of a day on Neptune is about 16h 6m.
- ❑ Neptune's atmosphere is made up mostly of hydrogen and helium with just a little bit of methane.
- ❑ The average temperature on Neptune is about minus 200 degrees Celsius.



BIG BANG

Approximately 14 million years ago (guesstimated by looking at the stars particles were under tremendous heat and pressure that they exploded and created the universe.

It is the idea that the universe began as just a single point, then expanded and stretched to grow as large as it is right now (and it could still be stretching).



SIRIUS-ALPHA CANIS MAJORIS

Commonly known as the dog star, Sirius is 8.611 light years away from earth.

Sirius is blue and white, it is also the brightest star.

Currently no other planet orbits Sirius.

Sirius is 9,940 Kelvin which is 9666.85 degrees Celsius.

This star is primarily composed of a carbon-oxygen mixture that was generated by helium fusion in the progenitor star.

Happy Chinese New Year to all our Mandarin Learners



Higher Mandarin wrote presentations explaining the traditions, storytelling, culture and history of the Chinese New Year.

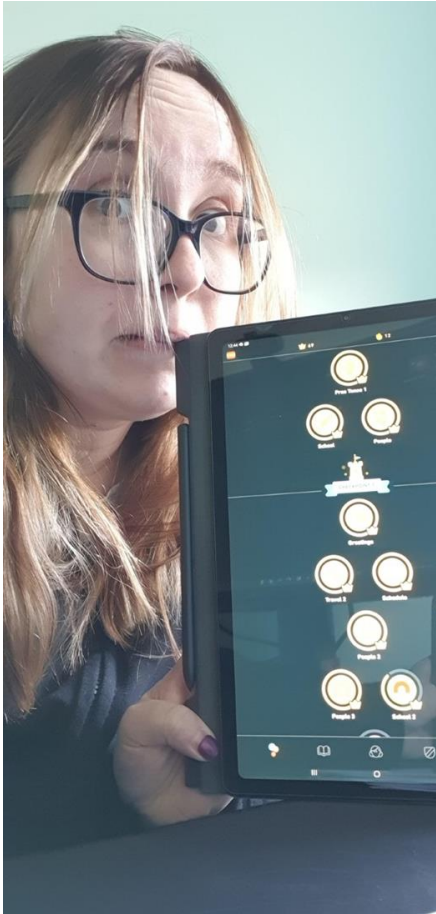
If you're feeling brave, have a go at their quiz! <https://quizizz.com/join?gc=50962604>

S1-3 Modern Languages

Our talented S1-3 linguists celebrated La Chandeleur last week. Their pancake challenge showed we definitely have some stars of the future in the world of catering!



Teachers are Learners Too!



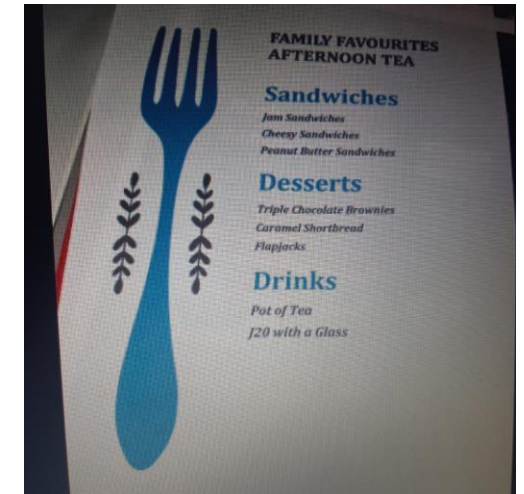
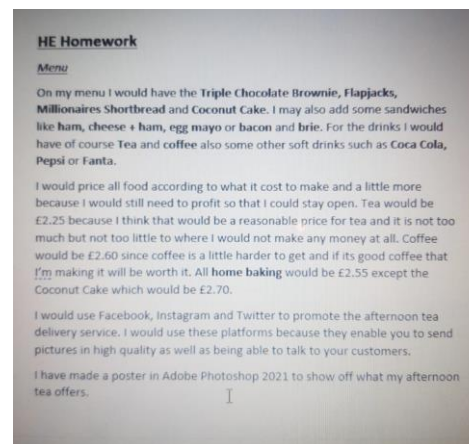
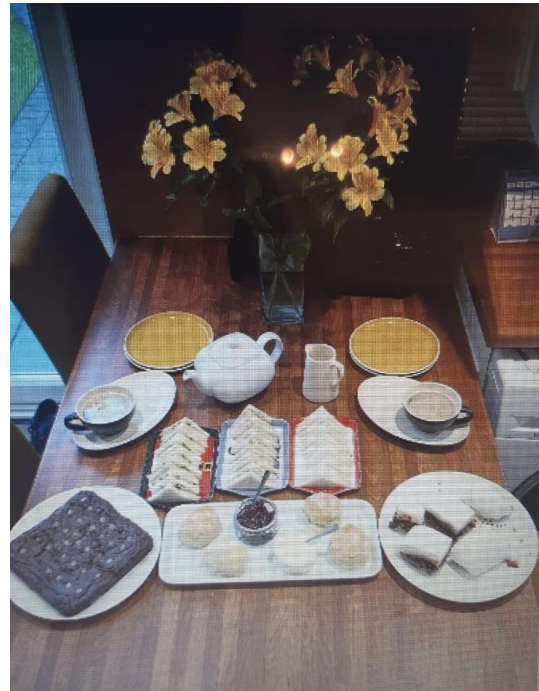
¡Hola! Mi nombre es
Senõra Williamson. Yo vivo
en Escocia. Yo tengo una
hermana. Yo vivo con mi
esposa. Yo no tengo un
perro o un gato. Yo soy
una maestra de física.
Yo trabajo en una
escuela. ¡Yo quiero
estudiar español porque
es divertido!
#scotlandloveslanguages

Mrs. Williamson's new year's resolution was to learn a language. Just as our pupils have, she's been using the Duolingo app to improve her Spanish.

#LifelongLearning

Afternoon Tea!

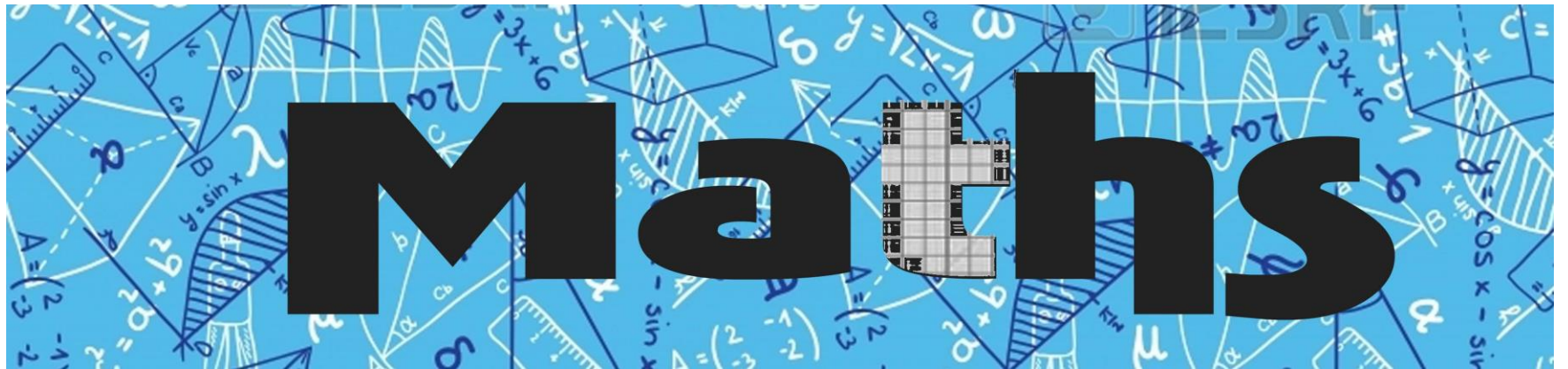
Ms. McBride is fast becoming the favourite teacher of an entire generation of Grange parents and carers; this week's Practical Cookery classes were tasked with planning, costing, marketing and preparing a family afternoon tea...



S3 Mathematics

Congratulations to Mrs. Wilson's S3 mathematicians. They have now completed two fourth level topics in lockdown - volume and straight line. Many of them have been working really hard and submitting excellent work. In particular though, Millie Rowan, Casey McNaught, Emily Robinson and Liam Holmes have responded to every single task issued. Their work has been amazing.

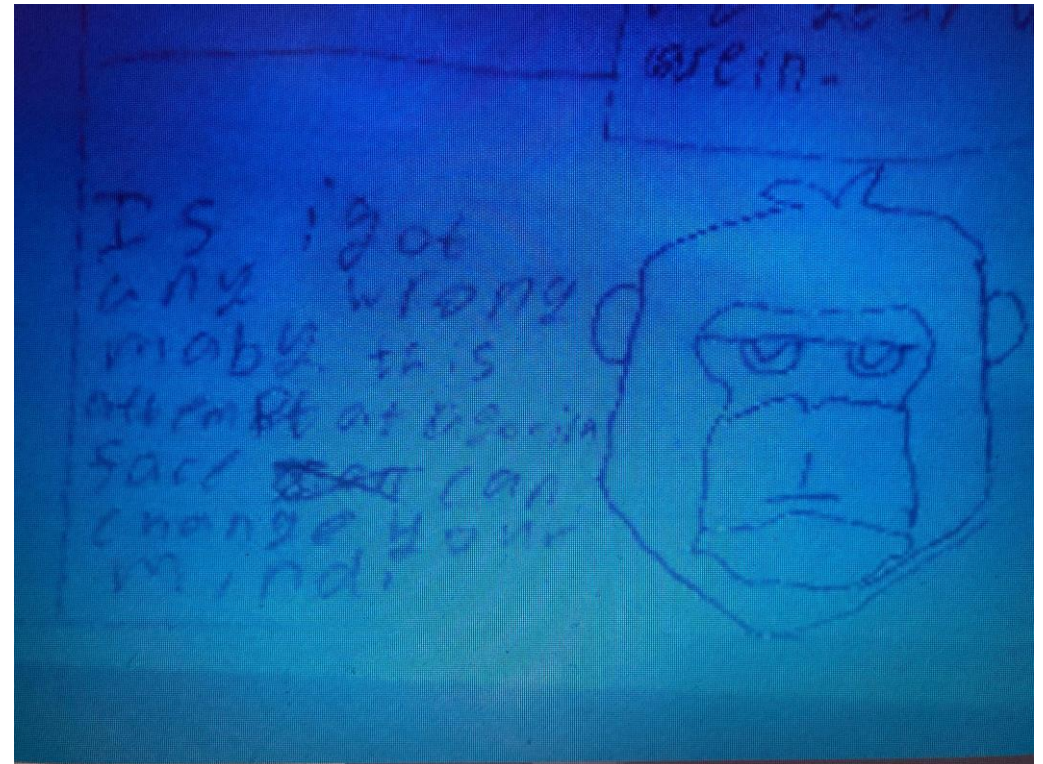
Proud of you!



If You Don't Know the Answer, Just Draw a Gorilla

Things can sometimes feel a bit serious and heavy just now but one aspect of school which hasn't gone away during lockdown is that a bit of pupil humour keeps everything fresh.

Your teachers are missing you enormously!



Stomp to Stamford Bridge Challenge

Well done once again to all Grange pupils who are keeping active during lockdown and contributing to the PE Department's 'Stomp to Stamford Bridge' challenge.

We're delighted to announce that a senior class have won the first competition. Mr Allan's NPA Sports Development class has completed an amazing 405 miles in 3 weeks and have therefore reached Stamford Bridge in London! All senior classes are now onto the next challenge which is to stomp from Stamford Bridge back to Grange Academy (383 miles again!).

S1-S3 classes are all still involved in the first challenge with several classes very close to reaching Stamford Bridge. Keep posting your scores to your PE teacher at the end of each week!

Stomp to Stamford Bridge Challenge

- Mr Allan's NPA class (405 miles and winners of the first senior challenge)
- Mr Baird's 3I 1 class (132.1 miles)
- Mr Allan's S3 class (111.9 miles)
- Mr Livingstone's 1G1 class (58 miles)

Well done to the following pupils for their individual achievements:

Nathan Smith, Jonathon Downey, Sara Lazrek, Sophie Ellis, Ben Smylie, Jamie Hislop, Evan Edgar, Robbie Calderwood, Jack Colquhoun, Lucas MacDonald, Zara Van Melckebeke, Bobby McIndoe-Ewart, Calum Stewart, Hannah Cairns, Ellie McHoul, Sam Duncan, Jamie Lindsay, Paige McCutcheon, Taylor Williamson, Conor Watson, Shaun Wilson, Ethan McIsaac, Jack Cooper, Shann Chau, Jennifer Fergus, Robyn Young, Kirsty Patterson, Maya McFarlane

Thank You

Many thanks to the parents and carers who have been so kind and encouraging, during our phone calls home, in their feedback about our work. This has been very much appreciated.

- *"Thank you so much, just talking things through with you has helped a lot."*
- *" I know the staff are working so hard to put up good lessons and we are doing our best to keep up but things are difficult in the house."*
- *"Ms. Cooper, the Library Assistant, has been great at sorting out his user access."*
- *" I really appreciate you taking the time to call and let me know."*
- *"Now you have explained Satchel One and Teams to me I will be able to help them a lot more."*
- *"Class teachers' comments are really helping to keep them motivated at home."*

Our calls home have also kept us grounded in terms of the reality of how challenging it is for families to support home learning whilst also juggling myriad other responsibilities such as work commitments, health, childcare, and sadly bereavement. #GrangeHeroes

Holiday

Monday 15th: holiday.

Tuesday 16th: in-service day.

Wednesday 17th: in-service day.

Online learning will resume on Thursday 18th.



Have a great week, Grange.

Work hard.

Be kind.

Stay safe.