



GRANGE ACADEMY BULLETIN

18th January



Parent Council

Huge thanks to the Grange Parent Council whose Christmas raffle raised a fabulous £646! As ever, the Parent Council has asked that pupils decide how this is spent so expect a survey soon.

The last set of pupil bids bought new guitars and headphones for Music, a set of outdoor basketball stands for PE, and prefect badges.

Thank you to Mrs McKinlay and Mrs Clelland for their leadership and to every parent and carer who bought a ticket.



The Great Grange Academy Duolingo Challenge!

All pupils studying a language have been encouraged to download the free app *Duolingo*. Using sound clips, games and challenges, it is a fabulous way to sharpen up your vocabulary in French, Mandarin or Spanish. The leaderboard is now live! See Satchel One for more details.

**Introducing...
the Grange Academy
duolingo
Challenge**

Duolingo is an app and website that you can use to play games and learn a language at the same time!

...and the best part?!

The more you use Duolingo to revise your French, Spanish, or Mandarin skills; the more xp points you will earn.

The more you use Duolingo, the more xp points you will collect. At school, the points will be recorded on the leaderboard in the Modern Languages corridor.

**By joining the Grange Duolingo Challenge, you can top the leaderboard for your whole year group!
See SMH for details**

Duolingo Leaderboards

Pupils in 1st, 2nd, and 3rd place will be recognised at the end of term!

The collage features several screenshots of the Duolingo app interface. One shows the main menu with options for 'Basics', 'Basics 2', 'Phrases', 'Animals', 'Clothing', and 'Plurals'. Another shows a multiple-choice question: 'Which of these is "the cat"?' with four options: 'el niño', 'la mujer', 'la niña', and 'el gato'. A third screenshot shows a conversation exercise: 'Hola, ¿Qué quieres beber?' with options 'CAFE', 'TE', and 'AGUA', and the response 'Un café, por favor.' Below the screenshots is a green chalkboard graphic with the text 'Duolingo Leaderboards' and a small cartoon character in the bottom right corner.

S1 French



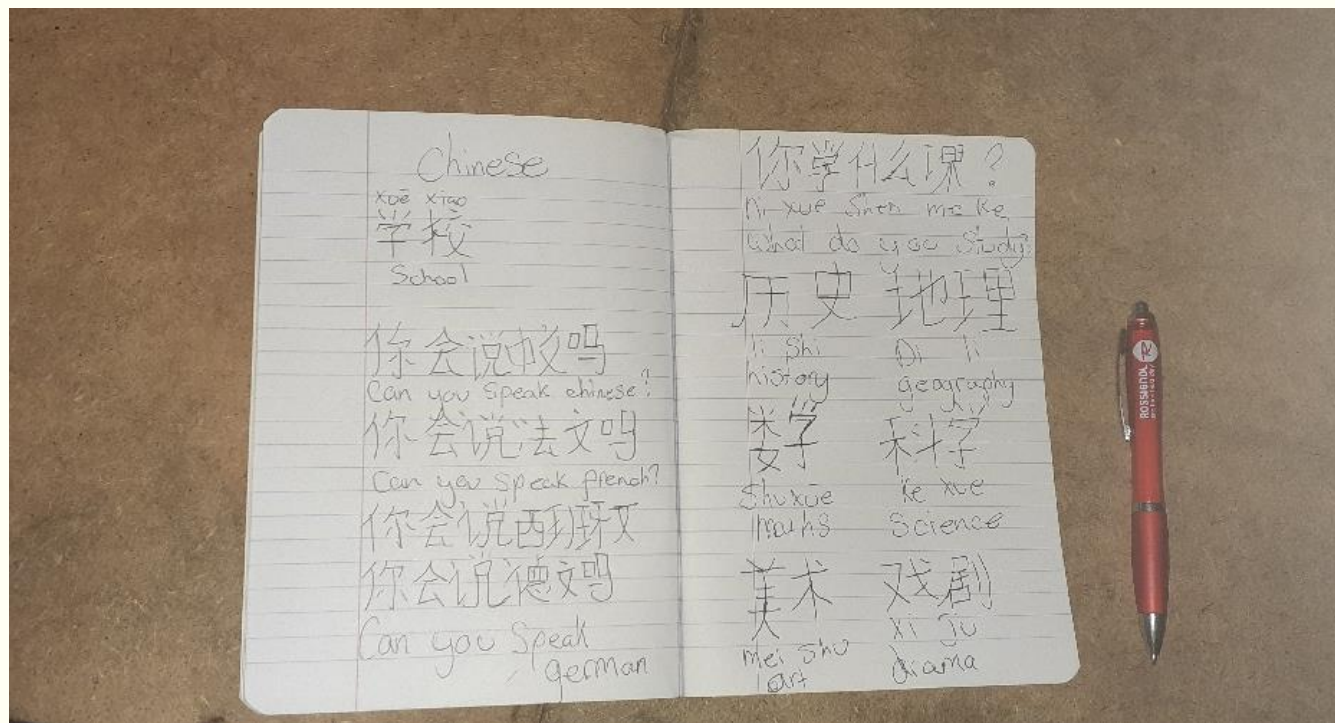
S1: Mes matières Lesson 1

Ms Brotherston's S1 French pupils have been learning how to describe school subjects.



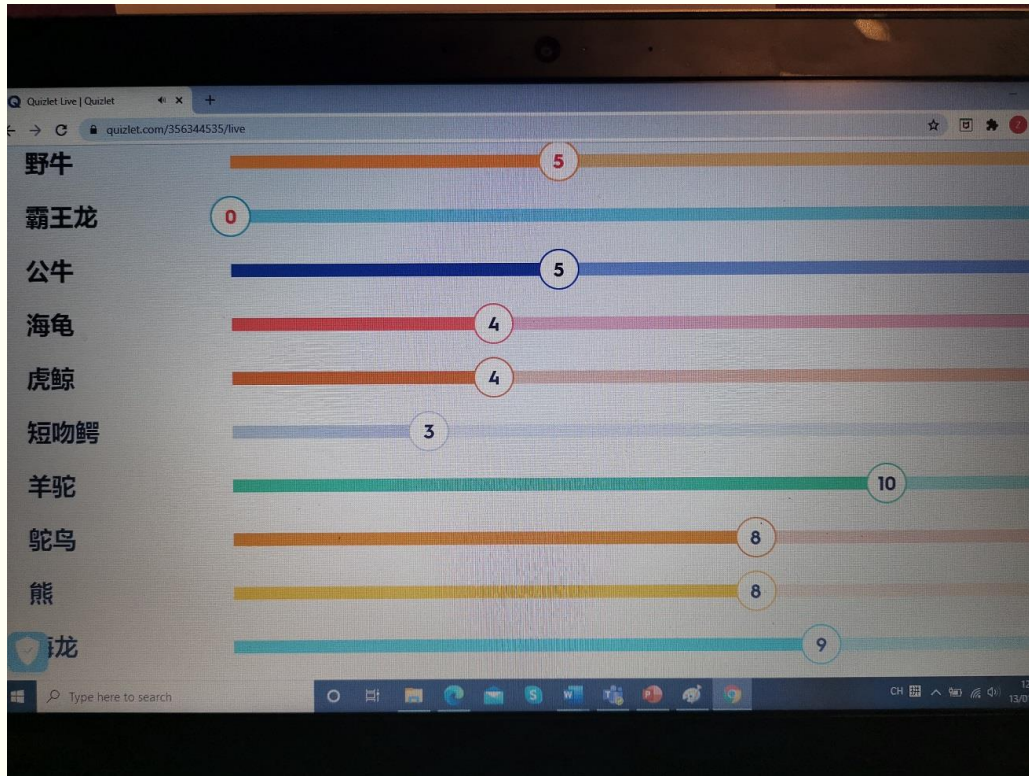
S1: Mes matières Lesson 1

S2 Mandarin



Cameron's Mandarin work last week was excellent and was one of several great pieces of S2 work handed in.

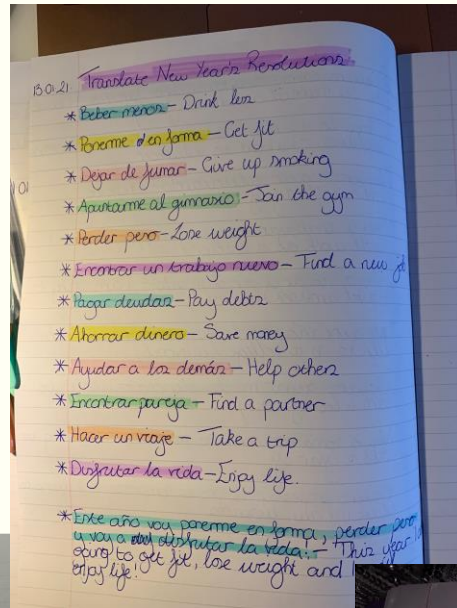
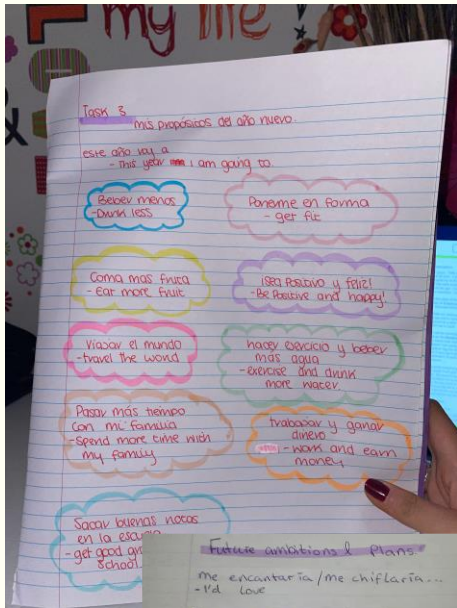
S4 Mandarin



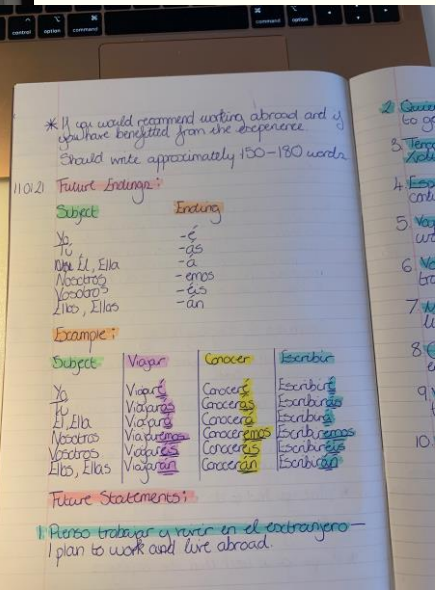
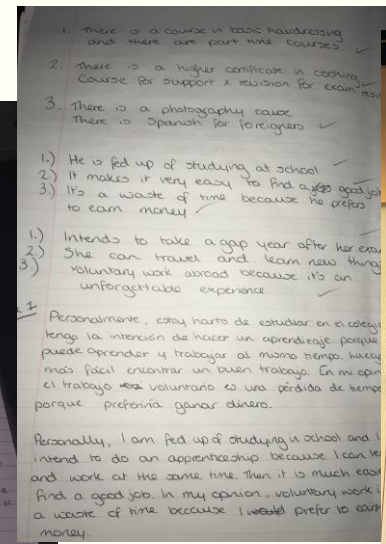
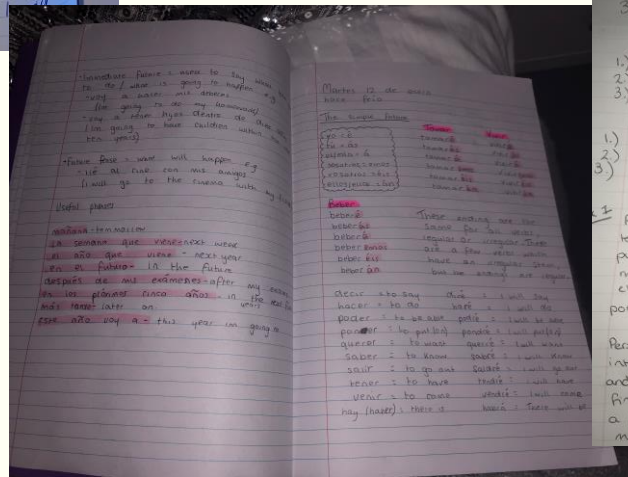
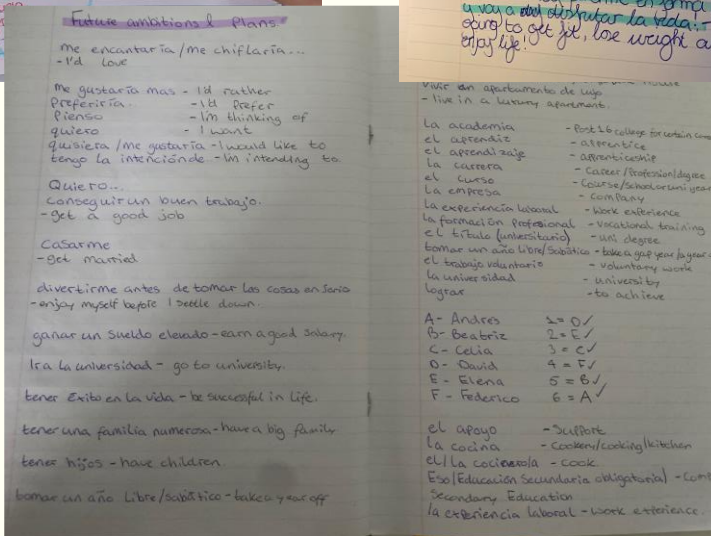
Have a look at Twitter to see Mrs Jiang watching her National 5 pupils completing their Quizlet live.

Well done everyone!

Higher Spanish



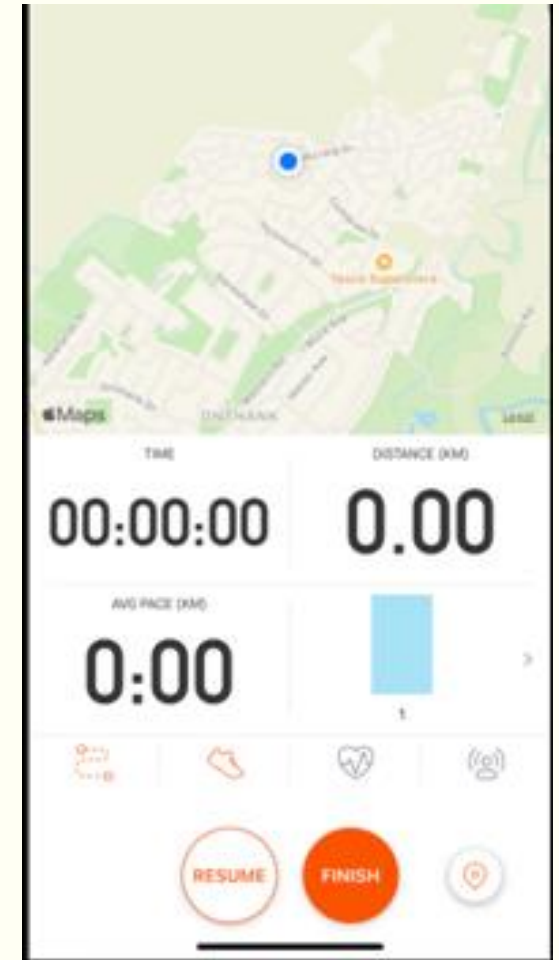
Mrs Jackson's Higher Spanish pupils have been producing excellent work on resolutions and future plans. #VerbTenses



Higher PE



Mr Alldridge will be in touch with Higher PE pupils very soon about our new Strava running club. This is an online community where pupils can record and share their runs. It's a great opportunity to keep in touch with your PE teacher about your fitness during lockdown.



Higher Modern Studies

What do you think the purpose of prison is?

Debate:

The main purpose of prison should be to punish.

The main purpose of prison should be to rehabilitate.

**What do you think?
Justify your answer.**

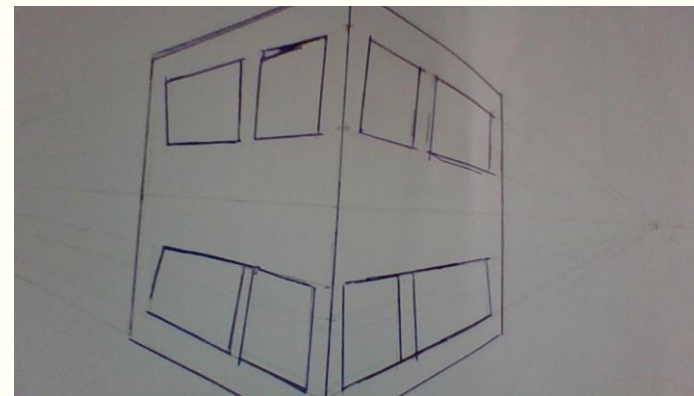
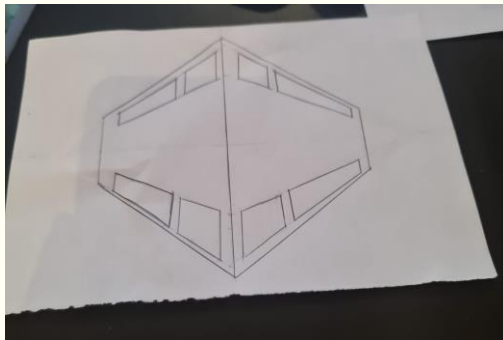
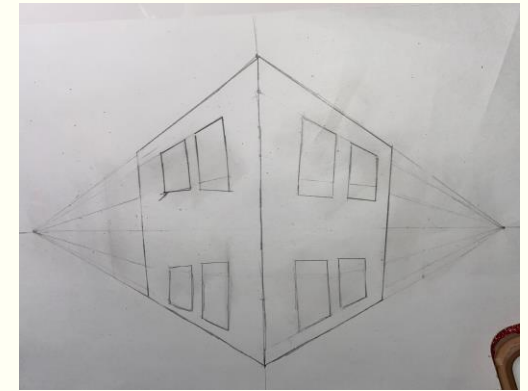
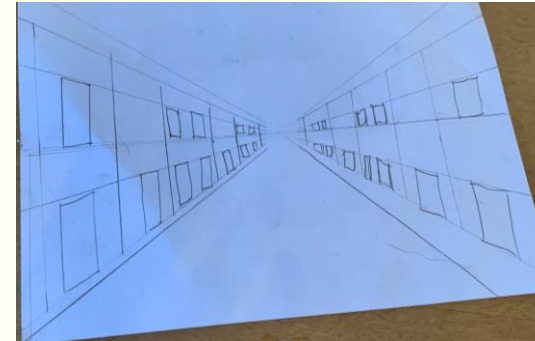
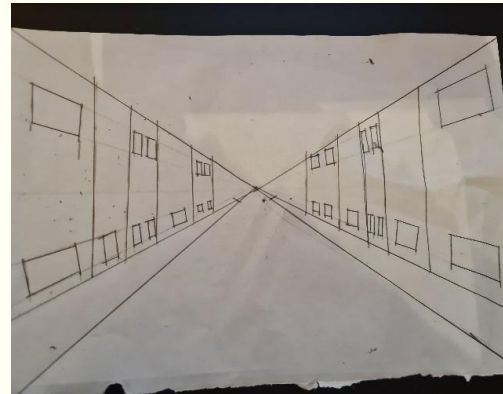
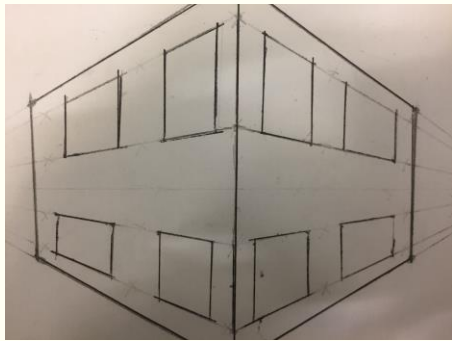


Mrs McGeary's Higher Modern Studies class had a spirited live debate last week. They are currently studying the purpose of prison: is it punishment or rehabilitation?

The quality of the discourse was great.

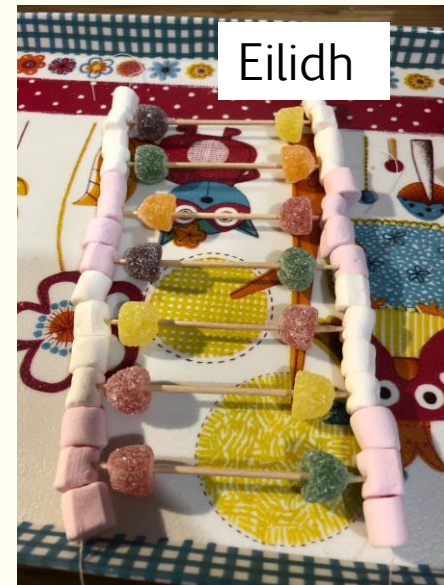
S1 Art

Mrs Wright has been delighted with how well her S1 artists have been learning about one-point and two-point perspective.

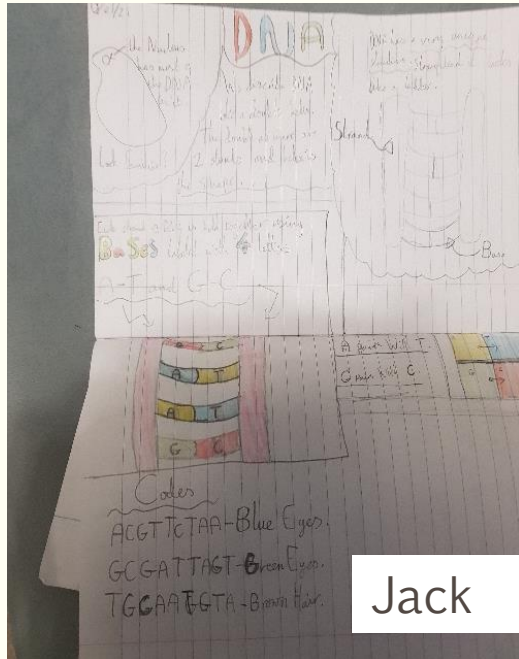


S1 Science

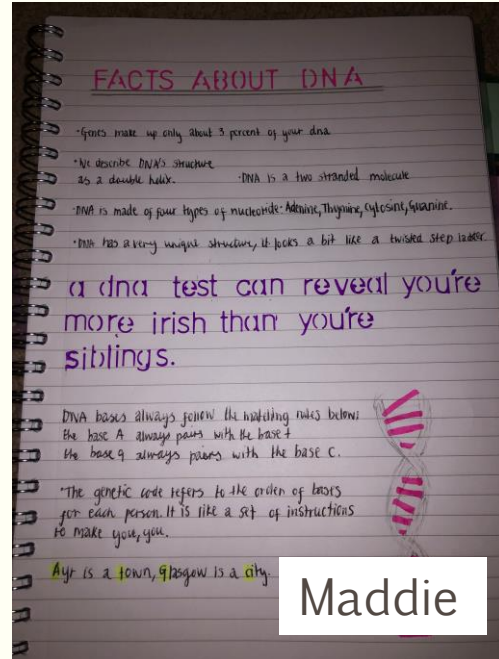
Ms Hagan's S1 scientists have been learning about DNA. She received photos of everything from sweetie models to origami! (Science is delicious.)



S1 Science



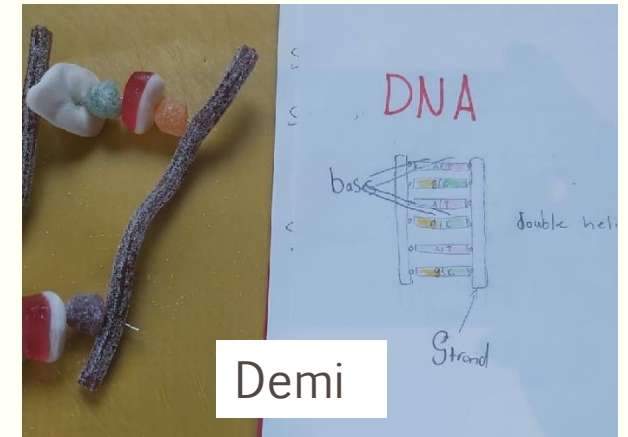
Jack



Maddie

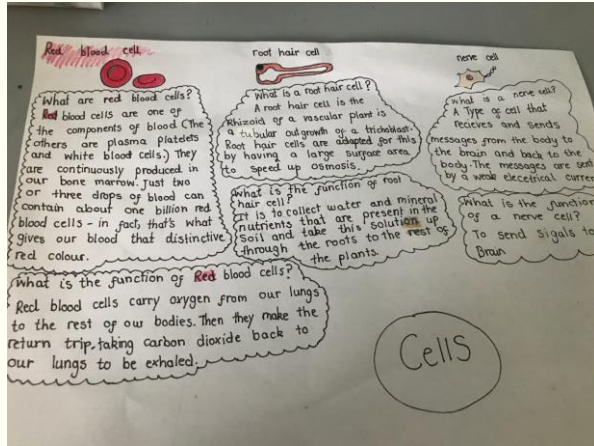


Sasha

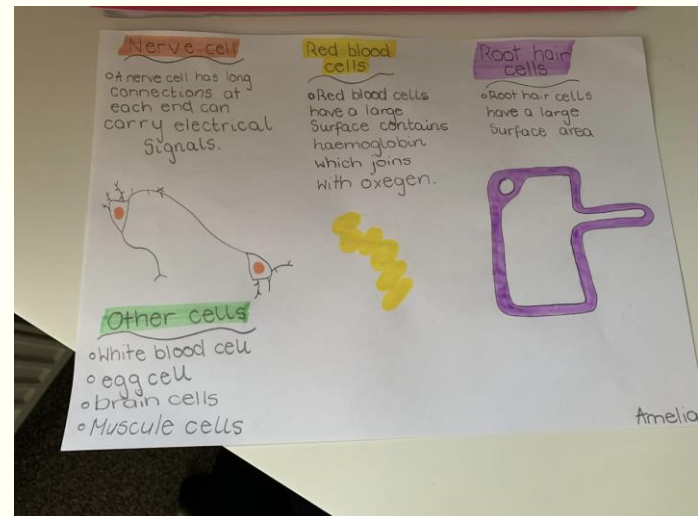
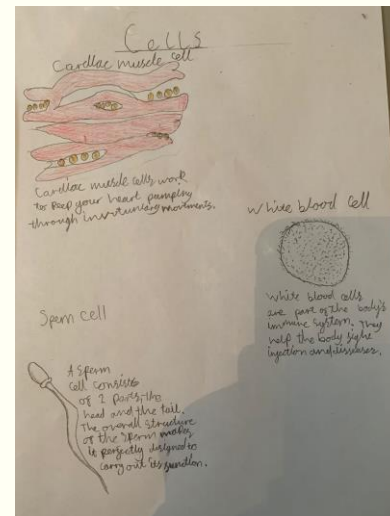
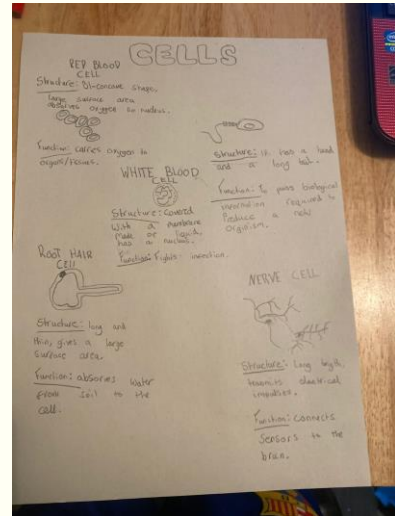
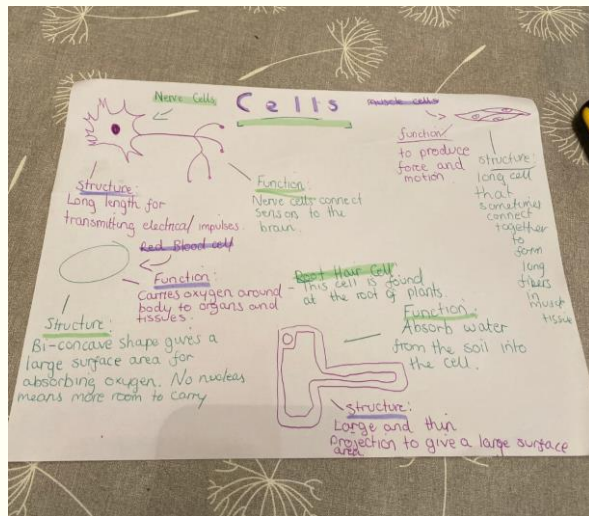
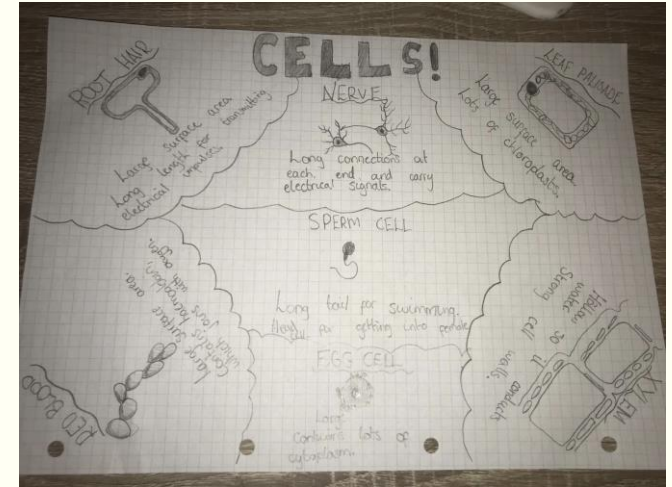


Demi

S1 Science



Ms Baird's S1 scientists have been learning about specialised cells. She has been super-impressed by how hard they're working.



S2 Science

Mrs Williamson's S2 scientists have been researching rare elements and presenting their findings about discovery, uses, properties and interesting facts.

More information on Promethium (Pm)

- The melting point of Promethium is 1042°C and the boiling point is 3000°C.
- All the element's isotopes are radioactive.
- Appearance →



Osmium was discovered in 1803 by Smithson Tennant and William Hyde Wollaston in London.

Melting Point-3,027°C

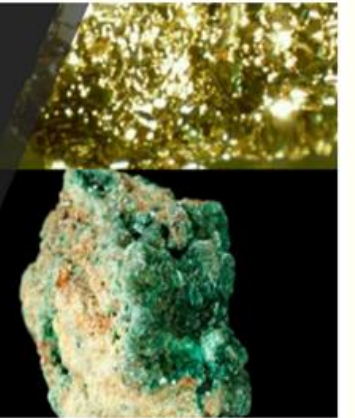
Boiling Point-5,027°C

Appearance- Osmium has a kind of shiny silver colour and spiky shape.



Protactinium

- Protactinium was found in 1913 by Otto Hahn and can be found in uranium ores
- Atomic number 91
- Symbol Pa
- Atomic mass 231.03588 u
- Melting point 1,568 °C
Boiling point 4,027 °C
- Non-magnetic or magnetic-non-magnetic



Physical and Chemical Properties

Ytterbium

- ▶ Melting point - 824°C
- ▶ Boiling point - 1196°C
- ▶ Appearance - a bright, silver metal
- ▶ Reactivity - reacts to oxygen, water, liquid ammonia and acids.



S1 Maths

Miss Catherine's S1 Maths class spent last week learning all about wages, salaries and overtime.

Special mention goes to RM for his excellent work!

Salaries & Overtime

Wages / Salary : How much a person is paid to do a job. Can be measured weekly, monthly or annually.

Hourly rate : How much you get paid for an hours work.

1) $£8.75 \times 40 = £350.00$
2) a) $£7.62 \times 45 = £342.90$
b) $£7.62 \times 41 = £312.42$
c) $£30.48$
3) $£7.40 \times 14 = £103.60$
4) a) $£2.75 \times 38 = £104.50$, Ann
b) $£1.80 \times 31 = £55.80$, Peter
c) $£57.20$

Salaries & Overtime

Example :

Michael gets an annual salary of £ 30 000.
What is his monthly wage.
What is his weekly wage.

Monthly wage: $£30\,000 \div 12 = £\,2\,500$
Weekly wage : $£30\,000 \div 52 = £\,576.92$

13/01/21

10) Dick - $£1246 \times 12 = £14,952$ pa
Cindy - $£276.25 \times 52 = £14,365$ pa
 $£14,952 - £14,365 = £587$
Dick gets paid more by £587

11) $£39.50 \times 52 = £2,054$ pm

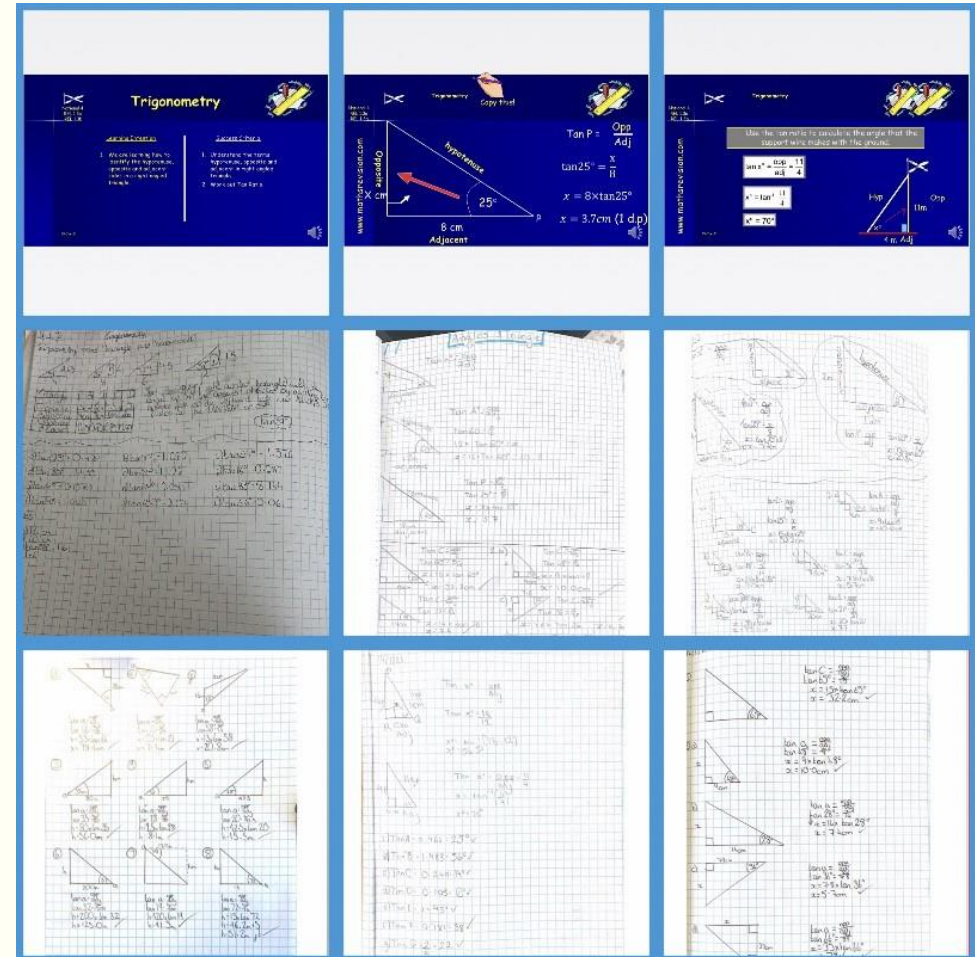
12a) $£9.45 \times 40 = £378$ pw
b) $£378 \times 52 = £19,656$ pa

13a) Jack - $£2150 \times 12 = £25,800$ pa
Jill - $£450.05 \times 52 = £23,402.60$ pa
b) $£25,800 - £23,402.60 = £2397.40$
Jack gets paid more by £2397.40

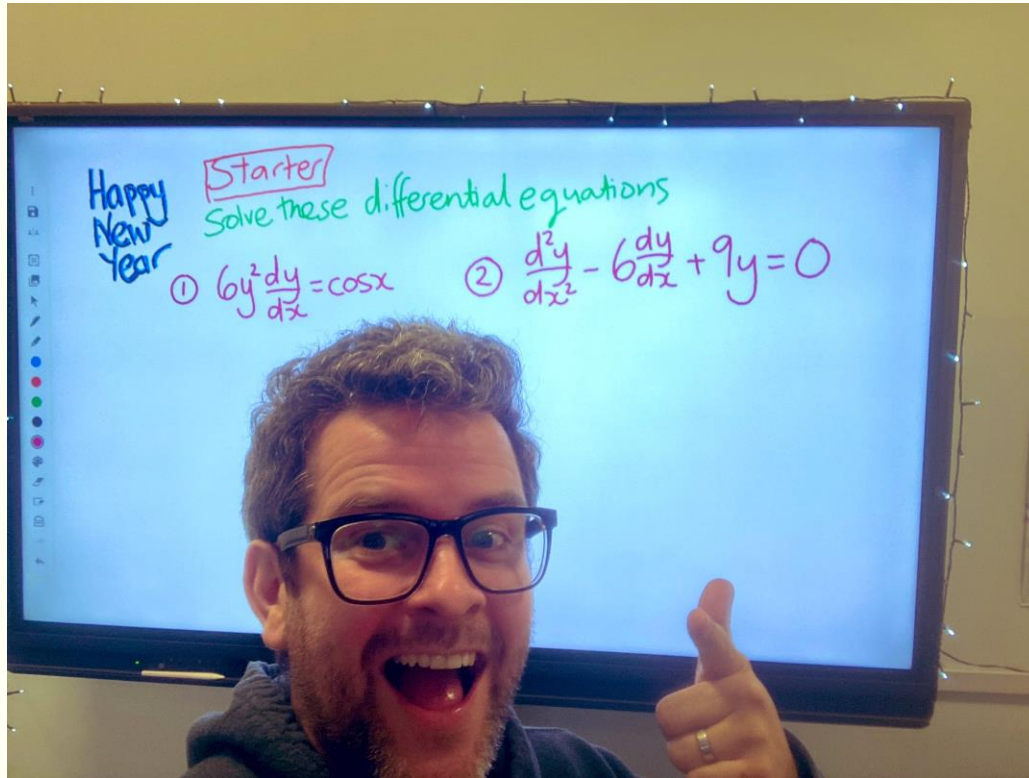
S2 Maths

2M1 were introduced to trigonometry for right-angled triangles for the first time this year.

"They are smashing it! My wee superstars" was Miss Catherine's proud quote last week.



S6 Maths



Last week, Mr Smith's Advanced Higher mathematicians were learning how to find solutions to non-homogenous differential equations with constant coefficients.

S1 Music

The screenshot shows a Microsoft OneNote application window. The title bar includes 'Home', 'Insert', 'Draw', 'View', and 'Class Notebook'. The ribbon shows 'Calibri', '20', 'B', 'I', 'U', 'abc', 'A', and various icons. The left sidebar shows a navigation pane with categories like 'Performing', 'Listening', 'Blues Swing', 'Film Music', 'Instrumental', 'Scottish Music', 'Vocal', 'Concept Diction...', and 'Instruments of t...'. The main content area is titled 'L1: S1 Orchestra - Families' and contains the following text:

06 January 2021 12:34

Task 1: Click on the Sway below, read the information and watch videos from Slides 1 – 3.

To navigate to different sections of the Sway, click on the symbol with the dots and lines at the bottom left of the Sway. Click on the arrows to move the Sway along. It will

The Sway presentation shows a title 'S1 Instruments of the Orchestra' and a photograph of an orchestra performing in a concert hall.

Task 2: Type the names of the four families of the orchestra below:

1. Woodwind
2. brass
3. string
4. percussion

S1 musicians have been learning about the instruments of the orchestra.

S4-6 Music

0-21 Notebook
Edit

Untitled Page
No additional text

Higher Concept List
Styles Melody/Harmony Con...

Higher Continued
Rhythm/Tempo Concept Cov...

Higher Musical Literacy
Concept Definition Bass Clef...

National 5 Musical Liter...
Concept Definition Tones, S...

National 5 Concept List
Styles Concept Covered (Y/...

National 4 Continued
Rhythm/Tempo Concept Cov...

National 4 Concept List
Styles Concept Covered (Y/...

National 4 Musical Liter...
Concept Definition Treble cl...

National 3 Concept List
Styles Concept Covered (Y/...

National 3 Musical Liter...
Concept Definition Lines an...

+ Page

Higher Concept List

8/14/2020, 10:00 AM

Concept	Covered (Y/N)	Definition	Audio	Describing Word(s)
Plainchant	Yes	Singing style/song sung by monks. Earliest mass. Based on modes and song in monasteries in church.		
Oratorio	Yes	Large work for voices and orchestra. Songs include recitatives, aria and chorus and are about religion.		
Mass	Yes	Large religious work for voice (often polyphonic). Songs set to text of the mass or songs are: Kyrie, gloria, credo, Sanctus, Benedictus, agnus etc.		
Recitative	Yes	Type of song in opera or oratorio which moves story on. Tune follows the rhythms of speech. Through composed.		
Sonata	Yes	Musical work for piano or piano and solo instrument. First movement in sonata form.		
Chamber Music	Yes	A small group of musicians playing as an ensemble. Common in classical era.		
String Quartet	Yes	Ensemble of 2 violins, viola and cello.		
Lied	Yes	A German song sung along with a piano. Tells a story in German.		
Impressionist	Yes	Style of developed music towards 19th century which used a whole tone scale to create a dreamlike effect and attempt to tell a story/paint a picture in music.		
Multitext concept	Yes	Music style where different sounds and noises are recorded and then mixed together and manipulated by adding various effects.		
Jazz Funk	Yes	A cross between jazz and funk.		
Soul Music	Yes	Lively music which developed from...		

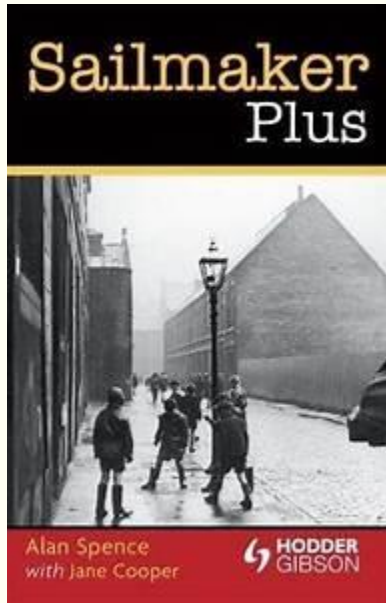
Melody/Harmony

Concept	Covered (Y/N)	Definition	Audio	Describing Word(s)
Mode or Modal	Yes	Early keys or scales (only white notes on the keyboard)		
Relative Major	Yes	Major and minor keys share the same key signature. A common key to modulate to is the relative major of music in the minor key.		
Relative Minor	Yes	Major and minor keys share the same key signature. A common key to modulate to is the relative minor of music in the major key.		
Interval	Yes	The gap between 2 notes.		
Obligato	Yes	A prominent instrumental countermelody along with a singer.		
Acciaccatura	Yes	A type of ornament which is a very quick note in front of the main note.		
Mordent	Yes	A type of ornament which goes to the note above or below a note and then back to the original note again.		
Plagal Cadence	Yes	2 chords at the end of a phrase. Chord IV: chord V. Sounds finished.		
Interrupted Cadence	Yes	2 chords at the end of a phrase. Chord IV: Chord VI. Sounds unfinished and if in a major key the cadence ends on a minor chord vice versa.		
Terco de Picardie	Yes	A major third in the final chord of a piece in the minor key.		
Dominant 7th	Yes	Jazzy sounding chord.		
Diminished 7th	Yes	A minor triad with a lowered fifth.		

In senior Music classes, there has been some great progress in learning about musical concepts.

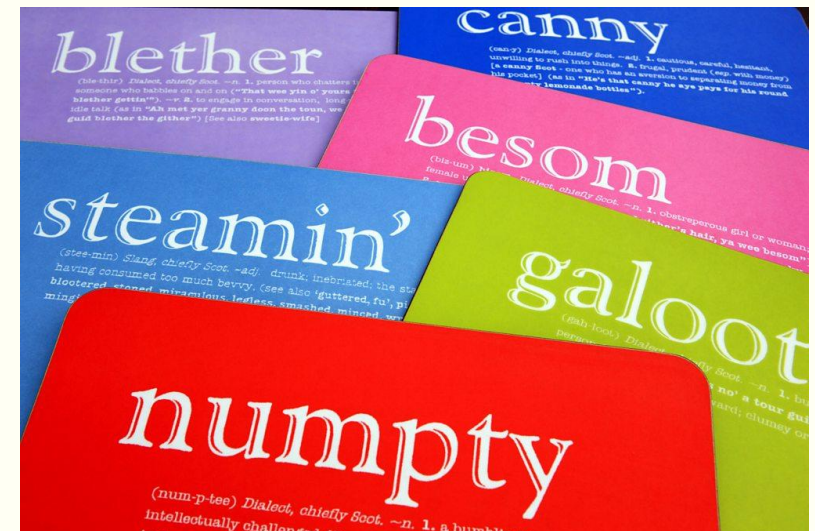
Teachers also noted excellent online etiquette during live lessons.

National 5 English

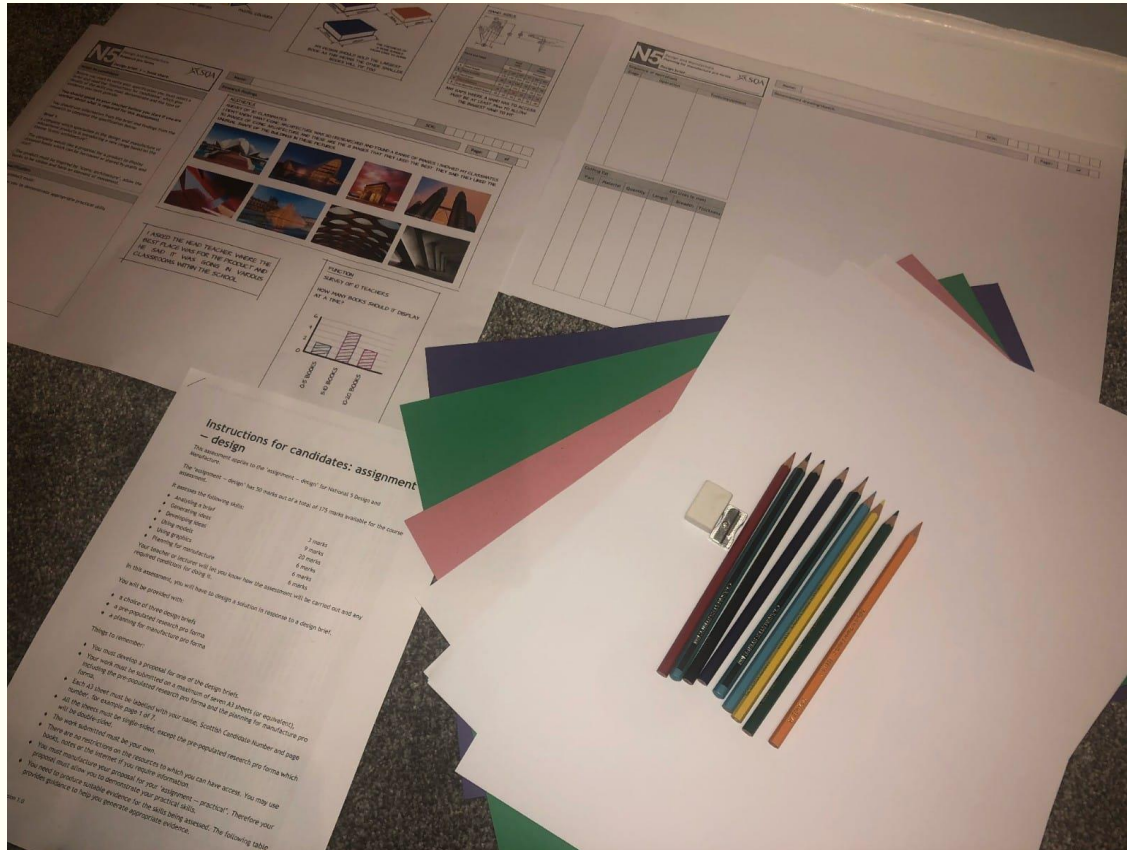


In Mrs Dunsmuir's National 5 English class, there have been some lovely examples of families getting involved in study of the play by taking a character each and reading out the scenes! The play reflects on the themes of family relationships, grief and social class.

In a series of live lessons, Miss MacKinnon's National 5 class completed their analysis of 'Old Tongue' by Jackie Kay, which reflects on the connection between language and identity.



Design and Manufacture and Art



Pupils in Art and Design and Manufacture have received resource packs to help them continue with their learning from home. Remember, if there is something you need that you think the school might be able to help with, (for example jotters, pens etc.), please let us know. There's a request form on the app.



Grange Careers Advisors



Remember that Rebecca and Scott, our Careers Advisors from Skills Development Scotland, are still available to chat with you or your parents and carers.

All the details about how to contact them are on the school app.

A Message from the Head of Education

“We would like to remind parents, carers and pupils that no recording of any lessons or staff is permitted during remote learning. Furthermore, staff have not given permission for anyone to forward a recording to another platform and we will take all necessary action if this arises.”

Thanks for understanding.

SQA

A quick reminder that all S4-6 pupils have access to the Teams group for your year group. This is where all SQA updates are communicated so please do make sure you are maintaining access to it.



The Grange Way

Many of your teachers have been talking about what a pleasure it was last week to be back in touch with pupils and to have the opportunity to interact with you via Teams and Satchel One (Show My Homework).

There have been some examples of lovely exchanges which – in addition to the curriculum we are learning – have demonstrated the school values. We are seeing lots of please and thank you; patience; respect; hard work; and a healthy dose of fun and humour too.

We know that learning from home brings with it many frustrations and limitations; however, you're doing great. (So are your parents and carers! Be gentle with them!)

Have a great week, Grange.

Work hard.

Be kind.

Stay safe.