

# TRINITY ACADEMY

## Home Learning Bulletin



Faculty Updates from Curriculum Leaders

Week #5: 16/02/21 – 19/02/21

Welcome to our weekly Digital Home Learning bulletin. Building upon the success of last year's bulletin, this streamlined version provides the reader with a summary of the topics/tasks that each faculty would like learners to focus on for the week ahead.

As a school, we have taken the time to consider and prepare a simple format for organising our work and explaining the tasks within Teams. All teaching staff will be following this approach to ensure there is a clear and consistent experience for our learners when they are using Teams. We recently shared the “**Returning to School Handbook for Parents and Carers**” ([←click to view](#)) with step-by-step instructions on how to access Office365 and Teams.

Since the instructions, resources and other support materials to accompany these tasks are all available from within Teams you will notice this bulletin is more condensed in its content.

If you have any questions about coursework in this bulletin, then please contact the Curriculum Leaders using the  email address link in the subject title on their faculty page.

*Please use the links below to direct you to the most relevant sections for you.  
Click on the subject icon in the title of each page to return to this contents page.*

<b>Business Education, Computing &amp; RMPS</b> (incl. Psychology and Philosophy)		<b>English</b> (English & Media)
	<b>Expressive Arts</b> (Art, Dance, Drama & Music)	
<b>Mathematics</b>		<b>Modern Languages</b> (French & Spanish)
	<b>PE</b>	
<b>Pupil Support Leaders</b>		<b>Sciences</b> (Biology, Chemistry and Physics)
	<b>Social Subjects</b> (Geography, Travel & Tourism History and Modern Studies)	
<b>Support for Learning</b>		<b>Technologies</b> (D&M, Graph Comm, Food & Consumer Tech)



## General Information on Home Learning & Requests

 **General Enquiries (SLT)**

### Online Parents' Evenings for S2, S4 and S5/6

After February break we have three Online Parent's Evening events planned:

- S5/6 event on 18<sup>th</sup> February
- S4 event on 23<sup>rd</sup> February
- S2 event on 10<sup>th</sup> March

Emails have been sent to all S4 and S5/6 parents/carers. The S2 email will be sent after Feb break. You can book your online appointment here: <https://www.parents-booking.co.uk/trinityacademy>

We are aware that some parents/carers are having difficulties logging in to make their appointments. The system will only allow you to make bookings if you enter the following information correctly:

- Parent's/carer's forename and surname (*where the "parent" will be the main contact as noted on our system*)
- Your child's first name, surname and date of birth

### A few tips:

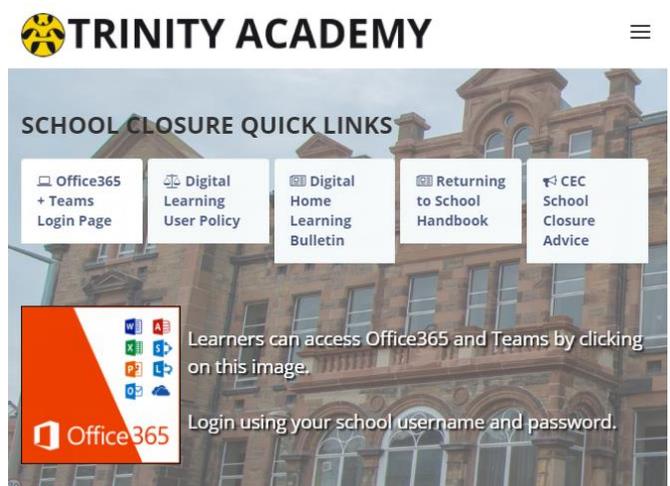
- If you do not know which parent/carer the main contact and one is not working, please try the other.
- If you have provided us with your name as e.g. "Robert" but you are typing "Bob" this will not work.
- If you cannot gain entry to the site then please phone the school office on 0131 478 5050 and they will be able to support you in booking your appointments.

### School Homepage Update: Priority Information

In order to ensure the most important information and resources are the easiest to access, we have simplified the **Trinity Academy website** during the school closure.

On the homepage you will now see a series of tabs. Click the tab and read the description. If you click on the image it will take you directly to a key webpage or load an important PDF.

We hope this helps parents, carers and learners keep up to date with the most important and essential information.



**TRINITY ACADEMY**

**SCHOOL CLOSURE QUICK LINKS**

- Office365 + Teams Login Page
- Digital Learning User Policy
- Digital Home Learning Bulletin
- Returning to School Handbook
- CEC School Closure Advice

Learners can access Office365 and Teams by clicking on this image.

Login using your school username and password.

## Digital Learning Responsible Use Policy + Live Learning Experiences

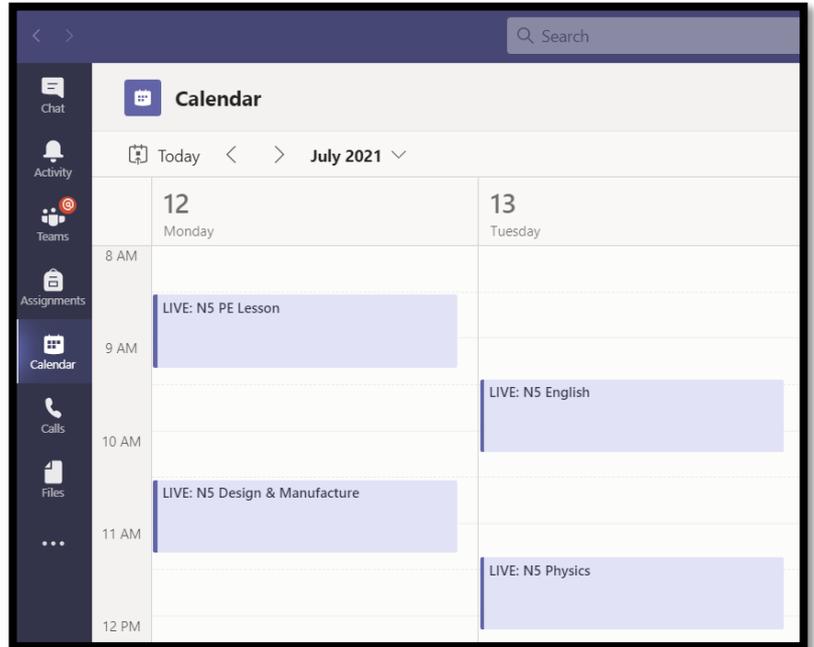
All learners, parents and carers should be aware of the responsible use policy for digital learners. This has been shared previously and exists within the website but for easy access we have included this in the tabs on the new homepage or **you can view directly by clicking here.**

Many faculties are now offering a range of live learning experiences. These are pre-scheduled via Teams and will appear in your child's calendar within as shown to the right → →

At the start of each day your child should check their calendar to see what live learning experiences are on offer and when they will begin.

It may be worth looking through the calendar schedule with your child to help them plan and prepare for their home learning for the day.

***Click here to view a short Microsoft video guide on how to join a Teams meeting.***



## TRINITY CONNECT YOUTH WORKER



**If you feel like talking to Ryan would help you can txt him on:  
07707 045948**

 **ryan@citadelyouthcentre.org.uk**

 **Ryan Citadel**

**1.1 Support around:**

**Confidence**

**self/esteem**

**Family**

**Bereavement/loss**

**Friendships**

**Sleep**

**BULLYING**

### **Reminder to all Pupils- Accessing Teams**

If devices are shared between siblings, it is imperative that individual pupils log on to Teams using their own details. This will ensure they have direct access to their designated links, files and materials, and will avoid access being denied.

### **Using the “Chat” Facility in Teams:**

Firstly, a huge thank you to all pupils who are actively engaged in their learning and making the very best of an unusual and challenging situation. The staff really appreciate your cooperation and participation in their digital learning courses.

These are challenging times for us all and we appreciate that, for some, getting the opportunity to engage in lessons can be difficult. Can we remind you all that the interactions, such as email or chat facilities, on Teams should be limited to “educational” discussion and requests of support.

Please keep all comments and chat related to the classwork and do not use it to make inappropriate or silly comments to staff or other pupils. The normal City of Edinburgh code of conduct for learners using IT facilities still applies.

### **A Guide to Handing in your Digital Work on Teams:**

Ms Milne has made a useful 1 single page guide on how to submit work to your teachers using Teams. This applies to all Teams and not just music. Instructions are on the school website and can be found by clicking the icon to the right →:



### **Managing your learning during school closure:**

Learning from home is not easy and can sometimes be a bit overwhelming. It is very important to maintain some structure and routine to learning but how you structure your day might be different to your friends, as all our situations are different.

Virtual school is different to real school and you will not be able to work in the same way, or for the same amount of time. Learners in S1-3 should aim to work towards 3-4 hours of home learning per day – if you can do this, then you are doing well. For those in S4-6, it would be advisable to work towards 4-6 hours per day where possible with the obvious adjustments being made for the shorter Friday. Please do not try to work independently from 8.30am to 3:20pm. Some of the guidance below should help you plan your home learning experience. Please try to:

- 1.** Have regular times for meals.
- 2.** Build in time for fresh air and exercise as far as this is possible.
- 3.** Make a daily plan of activities and spread your learning activities across the week rather than trying to do every subject every day.
- 4.** If you are unable to complete all the work and assignments set in a week, please don't panic, you can continue with them the next week.

5. Do remember to upload assignments to Teams or email to your teacher so they can help and support you.
6. In Teams, remember to turn on notifications for **all Teams you are in** or you could miss out on new notices or assignments. Every team has its own user settings.
7. Do keep in touch with your friends and classmates, talk to them about the work you are doing.
8. Do contact your teacher or Pupil Support Leader if you need help with the work or have other concerns.

### **Making Teams Easy for Everyone:**

We appreciate that Teams is new to pupils but please be aware that this is also new to staff. Four things that pupils could do to help make things easier are:

1. **Please read and follow the instructions.** Teachers have taken the time to prepare these to help guide you through the work. If you do your own thing it won't necessarily help you or make things easier.
2. **Please meet your teachers' deadlines** the same as you would if you were in school. They are setting these to help you manage your time. If you can't make a deadline then please try to let our teacher know in advance.
3. If you are working on paper, **please use an app to take a photo and save as a PDF.** This is much easier to review than a photograph.
4. Finally, when you email files in to staff please make sure that **you include your name in the file name** and email subject. This really helps!



## Business, Computing & RMPS

 Mr Caldwell

### S1 – S3 Broad General Education Update:

#### Business Management

S1 - Making Banking Decisions

S2 - Project: 'The Stock Market'

S3 - 'Breakeven mistakes in the real world' & 'test yourself' on lock down work

#### Computing Science

S1 - Python Tasks Catch-up

S2 - Python Tasks Catch-up

S3 - Software Development with Python Catch-up

#### RME

S1 - Beliefs booklet

S2 (Ms Dorward and Ms Strachan) - The Hindu beliefs on life after death (Mr MacLean) Christianity

Core S3 - Islam unit

### S4/5/6 Senior Phase Update:

#### Business

N4/5 - Motivation Part 2: Employee Relations

Higher - Legislation in the Workplace

#### Computing

Nat 4 - Web Design

Nat 5 - (Mr Caldwell) Software Development with LiveCode

Nat 5 - (Mr Doherty) Software Development Practice Task (Python)

Higher - Software Development with LiveCode

Advanced Higher - Project

#### RME

Core S4 - Non-verbal communication

N4/5 - Finalise and submit assignments and start Miracles PPT

Higher RMPS - Miracles (Mr MacLean), Sexual Relationships (Ms Strachan), Finalise Miracles (Ms. Dorward)

AH RMPS - Dissertations/Durkheim/Source questions

Higher Philosophy - Descartes meditation 3

Higher Psychology - Assignments



## English (*English & Media*)

 Mrs O`Connor

### **S1 – S3 Broad General Education Update:**

**S1** Week A: We are going to read and answer questions on a non-fiction media text.

**S2** Week A: We will be exploring the short story genre.

**S3** This week we will start preparing you for S4 work by looking at the Norman MacCaig poem 'Brooklyn Cop', along with some Close Reading work developing the skill of using your own words.

### **From Mr Clarkson in the School Library**

All BGE pupils encouraged to continue reading for pleasure. Link to free online library provided on Teams.

If you are looking for some additional literacy based tasks then **click here to read the librarians challenge!**

### **S4/5/6 Senior Phase Update:**

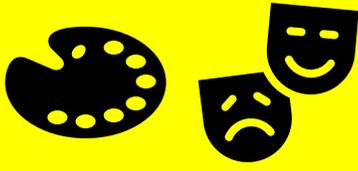
**AH English** - Focus on dissertation and keep practising Textual Analysis skills.

**Higher English** - RUAE - Revision - Focus on the final passage.

**N5 English** - RUAE Revision - Focus on Linking questions.

**National 5 Media** - We will continue our work on the assignment.

**N4 English** - Know your Brain - Control versus Emotions



## Expressive Arts (Art, Dance, Drama and Music)

Ms Milne

### S1 – S3 Broad General Education Update:

**S1 Art-** My Street - Drawing and Markmaking, working from my photographs

**S2 Art-** Paper or found object mosaic

**S3 Art-** Thumbnail Sketches of either Neckwear or Headwear designs

**S1 Drama** - Live lesson for 30 mins every second Thursday- drama games and activities and follow-up practical

**S2 Drama** - S1 Drama- Live lesson for 30 mins every second Thursday- drama games and activities and follow-up practical

**S3 Drama** - Production tasks at your own pace, and try to attend the weekly check-ins, especially if you are struggling. Those of you who required additional resources/equipment have packs to pick up from the school reception.

#### **S3 Music Tech**

In this lesson we will start looking at National 4 genres and concepts. There will be a Quiz so that you can test your knowledge on concepts learnt

**S1 Music-** Introduction to drum kit

**S2 Music-** Create melody for Rap

**S3 Music-** Instruments of the orchestra

**S3 Musical Theatre-** Record your part of your Duets/ small group number

### S4/5/6 Senior Phase Update:

**N5 Art (BB)-** Continue with Expressive Folio

**N5 Art (LC)-** Continue to work on Expressive Portfolio, checking in with Mrs Carr regularly and at least weekly!

**Higher Art (BB)-** Continue with Expressive Folio

**Higher Art (LC)** Continue to work on Expressive Portfolio, checking in with Mrs Carr regularly and at least weekly!

**Advanced Higher Art** - Continue with Practical folio of work. Complete one full A1 page of work

**NPA Photography** - Panorama and Black & White Landscape Photography Project - continue through tasks and photoshoots

**Higher Photography-** SQA Project - continue to complete Research and Investigation. Begin to plan photoshoots and aim to start taking photos.

**N5 Drama-** Update reflections for the rehearsal logs. 2016 paper to be completed and returned. Another will need assigned during week beginning 15/2. Review your recorded rehearsals and make notes for reference and revision.

**Higher Drama-** Rehearsals are continuing online. Please keep reviewing the recordings and make notes to help you with your PFPs. Keep handing in essays

**AH Drama-** Keep working on bringing your Project research together and send it to me week beginning 15/2. Send me your Resource Sheets by 22nd.

**N5 Music Tech** - 1:1 tutorials with pupils. Reflection, final changes and submission of Assignment 1. Introduction to Assignment 2. Planning of assignment 2 begins.

**Higher Music Tech** - 1:1 tutorials with pupils. Pupils must submit a section of their project so that they can get feedback on, including if possible the logbook with evidence that supports their practical work.

**N5 Music-** Self assessment of recorded pieces comparing to teacher assessment

**Higher Music** - Self assessment of recorded pieces comparing to teacher assessment

**AH Music-** Self assessment of recorded pieces comparing to teacher assessment

**NPA Musical Theatre** - Live 1-1 sessions- Acting through song piece



# Mathematics

 *Mr Goodall*

## **S1 – S3 Broad General Education Update:**

**S1** - All classes : Lines of symmetry and Rotational Symmetry.

**S2** - All classes : Lines of symmetry and Rotational Symmetry.

**S3** - 3x1 & 3x2 : Function Notation

**Mr Beard's class: S3** - changing the subject, linear equations

**Mr Carruthers S3 class** : Fractions. Equivalent and simplifying. Fractions of amounts. Fraction problems.

3XY4 - finishing formulae and patterns and then learning about gradient. #

3XY5: Area and Circumference of a Circle

## **S4/5/6 Senior Phase Update:**

**Advanced Higher Maths** : Maclaurin Series

**Advanced Higher Statistics** : Hypothesis Testing

### **Higher -**

Mr Beard & Ms Keatinge's Higher classes : Logs and Exponentials

Ms Brown's Higher : Problem solving Wave Function questions

### **S5/6 N5 -**

Col E : Introduction to the Quadratic Function

Mr Beard's class : Quadratics, sketching their parabolas and writing their equations

**Personal Finance:** Financial risks and Calculation of interest

### **S4**

4Y1 - starting vectors topic.

4X1: Trigonometry - Sine and Cosine Rule

Ms Brown's S4 class : Cosine rule



## Modern Languages (*French & Spanish*)

 Mrs Millar

### **S1 – S3 Broad General Education Update:**

#### **BGE French:**

S1- Continued skills development based on Studio 1 module 3-topic Free time (Lead teacher Ms V Blair)

S2- Continued skills development based on Studio 2 module 3-topic- My Identity (lead teacher Ms M Brown)

S3- Continued skills development based on Studio Edexcel- Module 4 – topic Local area /Travel see instructions in closure folder on Teams – class instruction named by class folder. .

(3x1/3y1 Lead Teacher Mrs C Cassels. (3x2/3x3/3y2/3y3 -Lead Teacher Ms E Williams.)

#### **BGE Spanish**

S1- Continued skills development based on Viva 1 -Module 4- topic Family. (Lead teacher Ms V Blair)

S2- Continued skills development based on Viva 2 -Mod 3 – topic Food (Lead teacher Ms M Brown)

S3- Continued skills development based on Viva 2 - Mod 5 -Operation Verano -Summer Holiday activities. (Lead teacher Mrs M Millar)

Pupils will find the instructions for this week in the Closure folder on Teams and will be directed from there where to access work.

### **S4/5/6 Senior Phase Update:**

#### **Senior French:**

Crucial 1-1 speaking support slots continue to be offered to all senior pupils N4/5 Higher.

#### **N4 French Pupils (Lead Teacher Mrs Cassels)**

Focus for this week for N4 French pupils is continued preparation for their Talking performance We will continue to work on techniques to help revise/memorise prepared answers. Plus development of reading skills – topic holidays. All detailed guidance can be found in the “Closure” folder.

#### **N5 French Pupils- (Lead Teacher Mrs Cassels)**

Focus for this week turns to Past Paper Practice in Listening and Reading Skills.

Plus on-going revision of Speaking test preparation. All detailed guidance can be found in the “Closure” folder.

#### **Higher French Pupils- (Lead Teacher Mrs Cassels)**

Focus for this week turns to Past Paper Practice in Listening and Reading Skills.

Plus on-going revision of Speaking test preparation. All detailed guidance can be found in the “Closure” folder.

#### **Senior Spanish:**

Crucial 1-1 speaking support slots continue to be offered to all senior pupils N4/5/Higher.

#### **N4 Spanish Pupils (Lead Teacher Ms E Williams)**

Focus for this week for N4 French pupils is continued preparation for their Talking performance We will continue to work on techniques to help revise/memorise prepared answers. All detailed guidance can be found in the “Closure” folder.

**N5 Spanish Pupils- (Lead Teacher Ms E Williams / M Millar)**

Focus for this week turns to Past Paper Practice in Listening and Reading Skills.

Plus on-going revision of Speaking test preparation. All detailed guidance can be found in the "Closure" folder.

**Higher Spanish Pupils- (Lead Teacher Mrs M Millar)**

Focus for this week turns to Past Paper Practice in Listening and Reading Skills.

Plus on-going revision of Speaking test preparation. All detailed guidance can be found in the "Closure" folder.

Please note that all deadlines for Pearson's active learn tasks for Spanish N4/5 and Spanish Higher pupils have been extended to Feb 26th 2021.



# Physical Education

 Mrs Stirling

## **S1– S3 Broad General Education Update:**

**S1-S3 BGE** Great British Bake off Circuits

**S3 Elective Social factors:** Roles and Responsibilities, power-point and form.

## **S4/5/6 Senior Phase Update:**

**National 4 / 5** Catch up week, portfolio

**Higher** Approaches to Social Factor. Start Scenario work in preparation for assessment round 2

**Advanced Higher** Section 2b. Analysis of literature

**Sport and Rec** Continuing with report and essay

**Ex and fit** Introduction to circuits unit



## Pupil Support Leaders

 *Pupil Support Team*

### **S1 – S3 Broad General Education Update:**

Check your House team on Teams, we are posting PSE work, information and would like to say hello if you check in.

### **S4/5/6 Senior Phase Update:**

Check your House team on Teams for any updates or information that you might need.



## **S1 – S3 Broad General Education Update:**

### **S1 WEEK A (16-19 Feb 21)**

1A1 Plant and Animal cells  
1A2 Plant and Animal cells  
1A3 Plant and Animal cells  
1O1 Space - Exoplanets  
1O2 Biodiversity – The human threat  
1O3 Space - Exoplanets  
1S1 Space - Exoplanets  
1S2 Space - Exoplanets  
1S3 Food chains and Food Webs

### **S1 WEEK B (22-26 Feb 21)**

1A1 Plant and Animal cells  
1A2 Plant and Animal cells  
1A3 Plant and Animal cells  
1O1 Space - Gravity  
1O2 Biodiversity - Revision  
1O3 Space - Gravity  
1S1 Space - Gravity  
1S2 Space - Gravity  
1S3 Biodiversity – The human threat

### **S2 WEEK A (16-19 Feb 21)**

2A1 Acids and Bases – Acid Rain  
2A2 Revision  
2A3 Acids and Bases – Acid Rain  
2O1 Acids and Bases – Acid Rain  
2O2 Communications – Reflection and Refraction  
2S1 Communications – Reflection and Refraction  
2S2 Revision  
2S3 Communications – Reflection and Refraction

### **S2 WEEK B (22-26 Feb 21)**

2A1 Acids and Bases - Revision  
2A2 Acids + Bases: Indicators and pH  
2A3 Acids and Bases - Revision  
2O1 Acids and Bases - Revision  
2O2 Communications – Research Task  
2S1 Communications – Research Task  
2S2 Acids + Bases: Indicators and pH  
2S3 Communications – Research Task

### **CHEM S3 Chemical Analysis Review**

**BIO S3** Healthy Living

**PHY S3 Dynamics** – Projectiles & speed, distance, time recap

**S4/5/6 Senior Phase Update:**

**BIO**

Nat 4 BIO Effects of chemicals on growth in animals and plants.

Nat 5 BIO Distribution of organisms

Higher BIO Crop protection

AH BIO 2.2 Evolution (continued)

**CHEM**

Nat 4 CHEM Neutralisation

Nat 5 CHEM Metal Ores

Higher CHEM Hess' Law

AH CHEM Pharmaceutical Chemistry

**PHY**

Nat 3 PHY Refraction and lenses

Nat 5 PHY Dynamics - Projectiles

Higher PHY Electricity - Capacitors

AH PHY Moving charges in electric fields



## **Social Subjects (Geography, History, Modern Studies, Politics)**

Mrs Bannon

### **S1 – S3 Broad General Education Update:**

THE ROTA FOR S2 SOCIAL SUBJECTS WILL BE CHANGING ON MONDAY 22ND FEBRUARY. WE WILL POST ALL NECESSARY INFORMATION ON TEAMS AND ALL PARENTS WILL BE CONTACTED TO EXPLAIN WHICH SUBJECT THEIR CHILD WILL BE MOVING ONTO.

Work/topics for S1/2 will be published weekly.

#### **Geography**

S1: Climate and Weather: a focus on one climate zone

S2: 6 figure grid references

S3: Introduction to Population Studies- 'A World of 7+ Billion'

#### **History**

S1: Battle of Stirling Bridge: looking at the importance of Stirling and tactics of the battle.

S2 (Miss Tinning): Jewish resistance in the concentration camps.

S3 (Miss Tinning): Looking and punishments and Resistance on plantations and completing a Nat 5 compare question.

S2 (Miss Rea) : Examination of Holocaust denial and why people believe that this event did not happen, why they think Hitler had no plan for mass extermination and analyse David Irving's work and how we can challenge these views

S3 (Miss Rea) : Plantation Life for Slaves (daily routine of a sugar plantation)

#### **Modern Studies**

S1: Human Rights: Dictatorship task

S2: Round up of the Health of our Nation topic

S3: Causes of Crime

### **S4/5/6 Senior Phase Update:**

#### **Geography and Travel and Tourism**

National 4: Continue to work through the unit booklet

National 5: Introduction to the Rural Unit

Higher: Solutions and evaluation of solutions to RLD

Advanced Higher: Feedback on RQ2 and continued work on RQ3

Travel and Tourism: Continue to work on Employability tasks

#### **History**

National 4/5: Battle of the Somme and the Battle of Arras examining the tactics used and role of the Scottish Regiments.

Higher: Continuing with Issue 4 of the Appeasement unit on how Britain tried to contain fascist aggression and look at Mussolini's invasion of Abyssinia, Hitler's occupation of the Rhineland and annexing Austria as well as building up the German navy which was a direct violation of the Treaty of Versailles.

AH: Consolidate learning on the Purges by having a look at source-based questions, before examining the personality of the cult surrounding Joseph Stalin.

## **Modern Studies**

National 4/5: The Presidency of Joe Biden

Higher: Voting Systems

AH: Psychological Theories of Crime.



## Support for Learning

 *Mr Nelson*

**S1 – S3 Broad General Education Update:**

**S4/5/6 Senior Phase Update:**



## Technologies (D&M, Graph Comm, Food & Consumer Tech)

✉ Mr Stembridge

### S1 – S3 Broad General Education Update:

**If completing any practical tasks, you must be supervised by a parent or carer at home. Your safety, whilst working at home, is very important to us. Please get permission and be aware of the hazards involved before using any tools, utensils, or equipment. Completing practical tasks is always optional and alternative tasks will be given.**

**S1 Design and Manufacture:** Hook Project, Task 4 Exploring Design Factors - continuing

**S1 Food & Consumer Technology:** Scottish Dietary Goals – Eat Less Calories

**S2 Design and Technology:** Imaginary inventors Lesson 4 Design Ideas - continuing

**S2 Food & Consumer Technology:** Foods of the World – Spain

**S3 Graphic Communication (Mr Stembridge):** Juice Box menu task - continuing.

**S3 Graphic Communication (Miss Donaldson):** Catch up week with some sketching tasks.

**S3 Practical Woodwork:** continue with catch up work and submitting outstanding tasks

**S3 Design and Manufacture:** continue with noting taking from text sets

**S3 Fashion and Textile Technology** – Design and Make Process – Investigations – Mood Board

**S3 Health and Food Technology:** Technological Developments

### S4/5/6 Senior Phase Update:

**Your continued safety, whilst working at home, is important to us. Please get permission and be aware of the hazards involved before using any tools, utensils, or equipment. Completing practical tasks is always optional and alternative tasks will be given.**

**N5 Practical Woodwork:** SQA Past Paper and wood worksheet.

**N5 Design and Manufacture (Miss Donaldson):** Catch up week with some sketching tasks.

**N5 Design and Manufacture (Mr Stembridge):** Continue with ideas pages ( see video post)

**N4/5 Practical Metalwork:** continue on catch up and complete unsubmitted tasks

**N4/5 Graphic Communication:** Juice Box Menu design – continue with this (add alternative designs)

**L1/2 DEC:** Unit 2. section 5. Watch video and resubmit revised folios please

**N45 Fashion and Textile Technology** – Factors Influencing Fashion Choices

**N4/5 Health and Food Technology:** Technological Developments

**N5 Practical Cake Craft** – Designing Final Cake

**Higher Graphic Communication:** Catch up week with some sketching tasks.