**Year 9 Independent Work Overview**

**1st June 2020**

**Please check the subject tab and Google Classrooms to see regular updates**

**Maths**

**Solving Equations Week 2 of 3**

Please use MathsWatch to find the following clips, watch them, and complete the interactive questions on them.  To search for videos log on to MathsWatch, on the top of the webpage find 'Videos' and click on it. Select 'GCSE' in the qualifications box and then select one of the clips listed below to complete.  All work completed will be sent automatically to us. Once completed, please press 'Hand in' on Google Classroom and I will check MathsWatch and assign you your mark.

This is an important topic so take your time and make sure you really understand it.  We have started with the basics as its really important to understand the foundations before moving on. It is a big topic so we have split it over three weeks.  Take your time.  Do not rush.

Clip 84 Substitution GRADE D

Clip 85 Solving Equations using Flowcharts GRADE D

Clip 138a Expanding and Simplifying – Single GRADE C

Clip 138b Expanding and Simplifying – Double GRADE C

Clip 139a Solving Equations – Balancing GRADE C

Clip 139b Solving Equations – Float and Ping GRADE C

Clip 168 Factorising and Solving Quadratics GRADE B

Clip 170 Roots and Turning points of Quadratics GRADE B

Clip 193 Solving quadratics with the formula GRADE A/A\*

Clip 194 Factorising Hard Quadratics GRADE A/A\*

Clip 195 Forming and Solving Quadratic Equations GRADE A/A\*

**Solving Equations Week 3 of 3**

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Clip 137 Simple Factorisation GRADE C

Clip 85 Subject of a Formula using Flowcharts GRADE D

Clip 140 Forming Formulae and Equations GRADE C

Clip 141 Rearranging simple Formulae GRADE C

Clip 143 Solving Linear Inequalities GRADE C

Clip 171 Simultaneous Equations Algebraically GRADE B

Clip 192 Rearranging difficult formulae GRADE A/A\*

**MathsWatch**: <https://vle.mathswatch.co.uk/vle/>

**Log in** – firstnamesurname@rhiwabon **Password** – ILOVEMATHS

<https://www.mathsdiy.com/gcse-maths-resources/> <http://www.jonesthesum.co.uk/html/gcse_past_papers.html> <https://www.mathemateg.com/>

<http://maths.cymru/> <https://resources.hwb.wales.gov.uk/VTC/2017/CiparFathemateg/index.html>

<https://whiterosemaths.com/>

<https://www.twinkl.co.uk/>

**English**

Work set on Google Classrooms – ‘Macbeth’

Please also check Google Classrooms for;

Macbeth Quiz

Writing tasks

Spelling booklet

Skills builder book

**Art**

Research the work of Megan Coyle an Artist and illustrator. Her work is predominantly Collage based, using strips of magazines and glue on card. I want you to study her animal collage work. You are going to produce a Collage of your family pet, if you don’t have a pet you can use an image from the internet of a domestic animal. Print out a copy of the photograph because you will be drawing a grid over it, so don’t use an original Photograph.

1. 1 hour- For the first task you will need a piece of A4 Card, pencil, ruler and a photograph of your family pet. You will need to position your A4 card either landscape or portrait depending on the photograph chosen. Carefully draw out a grid over the photograph and onto the blank card. Please see the support sheet to support drawing the grid.

2. 1 hour- Refer to the support sheet. Carefully draw out your family pet, following the instructions provided on the support sheet.

3. You will need some old magazines, rip different sized strips from the magazines and collate different colours to use on your pet drawing. You will also need prit stick or PVA glue. Take a good look at the artist Megan Coyle’s animal collage work to remind you how to create an effective piece using the magazine strips. Start to produce your mixed media piece. The task should take you 3-4 hours to complete.

**Design and Technology**

Go onto google classroom and complete the 2 electronic quizzes that you have been assigned on

1) Types plastics and 2) Plastic processes. Follow the instructions carefully and watch the specific youtube clips.

**Welsh**

All tasks are on Google Classroom

1. Oracy Task students need to record themselves reading the presentation that they were asked to write as the first task that was set. ( This is outlined on the website and Google Classroom if this has not been written yet)
2. Quiz - revising basic opinion phrases
3. Research the Welsh language in Patagonia present your findings using a PowerPoint presentation, poster or information leaflet.
4. Download the App **'Say Something in Welsh'**to practise your Welsh skills.

**Geography**

[https://www.youtube.com/watch?v=07Zoc5fgoOA](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D07Zoc5fgoOA&data=02%7C01%7CHeadteacher%40rhiwabon-high.wrexham.sch.uk%7Cb73cf2ce98cd4d78a71308d806314436%7C4f3f0e52b734416494091b601d147993%7C0%7C0%7C637266155966747252&sdata=XqnZeQ2FJrXH5QtrAxnuYhPWTUaRmrVP0JAryh3bjA0%3D&reserved=0)

Instructions:

Watch the video to test your knowledge of the countries of Europe. Watch it again until you can name them all.

Optional Extra: create a fact file about 3 countries of Europe, to include food, currency, culture, terrain, industry, economic activity.

**History**

Survey to complete and GCSE task set in google classrooms.

**Science**

**Year 9 into 10**

**Biology, Chemistry and Physics have each set the following on a rota:**

1. Tanio.cymru power point interactive learning for the first topic from Year 10, exam questions and quizzes to read and complete. Notes to be made for each section and a summary mind map for each section to be made. Chemistry provided an information and task booklet in addition to the other tasks for top sets.

2. Past paper exam questions set relating to the learning from the first Year 10 topic.

3. Next step - as above for second and third subject area.

Set through Google Classrooms.

**Music**

Topic Film. Work set in Google Classrooms.

**ICT**

Work set on Google Classrooms.

**RS**

Works set on Google Classrooms.