Remote Learning at Monifieth High School

Weekly Schedule for week beginning: **15 June 2020**

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| Curriculum Group | Activity |
| **English** | **S1/3** – Theme park exercise. Research theme parks and plan own. **S4 Nat5** – Creative writing – submit full draft of own short story. **Higher** – Creative writing – submit full draft of own short story. Private reading every Friday. |
| **Classics** | **S3** * Mapping ancient Greece
* The importance of Ithaca
* Understanding the Odyssey
* The Oracle of Delphi

**Nat 5** * Summary of the Iliad
* Summary of the Odyssey
* The importance of Homer
* Metics in Greece
* The myths of Actaeon, Io and Phaeton

**Higher** * The weakening of the Roman Republic
* The reforms of Marius
* The mechanics of Republican politics
* The collapse of the Republic
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| **Maths** | **S1** – Fractions (cont.) **New S3** (mainstream and supported) – Changing the Subject of a Formula **New S4 Nat4** – Scattergraphs (cont.) **New S4 Nat5** – Trigonometry (cont.) **New S5/6 Nat5** – Arcs & Sectors **New S5/6 Higher** – Exact values, Radians and Trig Equations **AdvH Maths** – Properties of Functions (cont.) **AdvH Stats** – Random Variables (cont.) |
| **Science** | **S1** **1P1** - Compounds: access PowerPoint dated 15th June in Files on Teams with directions for work to be submitted.**1D1** - Continue with the research task on Adaptations. **1D2** - Environments: access word document dated 15th June in Files on Teams with directions for work to be submitted.**1D4** - Learning about the process of photosynthesis.**1D3 -** Starting new environments topic. To create a cover page, complete a forms quiz on their prior knowledge of environments and watch 20 minute video clip about food chains and webs to prepare for next week’s tasks. **1P3 & 1B2** - Task 1: Study the PowerPoint on Alloys. Submit answers to table on slide 3 research answers to the questions. Task 2: A. Study the following video: <https://www.youtube.com/watch?v=TGPPPFczOj0> Write key points on the reactivity series of metals. also practice writing hypothesis, independent, dependant, and controlled variables for the reactions. B. Study the following video:<https://www.youtube.com/watch?v=m2RQ_GsGuI0> Produce reactivity series for the alkali metals. write a conclusion for the results. Extension activity - Also analyse the following presentation and draw conclusions: <http://www.teachade.com/resources/support/5035b2566977e.sw>**1B1 & 1B3** - Tour de France – introduction and average speed calculations. **1P2** - Complete the Environments topic and then do the Environments quiz 2 in assignments. **1P4** - “Earth Resources” |
| **Biology** | **S3 –** Completion of Deciduous Tree section onto Insect lifecycles. **Nat5** – Unit 3, Life on Earth - access PowerPoint dated 15th June in Files on Teams with directions for work to be submitted. **Higher** – Gene Expression – Translation and Alternative RNA Splicing, Homework questions from Workbook. **Human** – looking at two PowerPoints and answering the h/w questions on mutations. **Adv** **H** – Continuing to investigate different sampling methods (JH). Separation techniques – work through content using pupil notes and scholar to help understanding. Past paper and consolidation questions to submit at the end. Optional practical to carry out at home. (AM) |
| **Chemistry** | **S3 –** Fuels lessons 1&2. Fossil fuels, products of combustion, complete and incomplete combustion.**Nat5 –** Topic 2: “Atoms and the Periodic Table” electron arrangement and valency.**Higher -**Read the lessons and watch the videos on **Calculating Excess**. **Adv H –** Transition metals continued 1. Ligands and naming complex ions and compounds. 2. Loss of degeneracy and the spectrochemical series. |
| **Physics** | **S3 –** Continuing with their work on 'under pressure' and working on understanding the relationship between weight, mass and gravity with some calculations.**Nat5 –** Beginning dosimetry within the radiation unit and will start with the relationship between absorbed dose, energy and mass and the obligatory calculations.**Higher –** Study from the link below. Topic: Nuclear Reactions Complete Task 1 and 2.<https://higherphysics.home.blog/2019/09/16/2-1-particles/>**Adv H -** Angular momentum and kinetic energy and planning your third experiment. |
| **Business/Computing** | **S1 Comp:** MHS S1 Induction Power Point. Continuing with Dragons’ Den tasks. **S3 Admin & IT**: N/A **S3 Bus Man**: Entrepreneurship. **S3 Comp**: Scratch - Own Game.**Nat5 Comp:** Lesson 8 – Nested IF & Lesson 9 – Nested If Challenges.**H Comp**: Lesson 11 – Design, Lesson 12- Implementation convert to arrays, Lesson 12 – Implementation add input validation. **AdvH Comp:** Data Structures – 2D Arrays. **Nat5 Bus Man (JW):** Finishing External Factors and moving onto Internal Factors. **Nat5 Bus Man (JM):** Customer Satisfaction and Stakeholders.**H Bus Man:** Methods of Growth and Business Structures. **Nat5 Admin:** Word Processing – Correction Signs and Paragraphs.**H Admin:** PowerPoint Skills Check / Time and Task Management. |
| **Technical** | **S1**: 1. Week 2 Reflection Form
2. Design Museum Challenge
3. Continue Superhero House Design
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| **Design and Manufacture** | **S3:** 1. Week 2 Reflection Form
2. Design Styles Worksheet
3. Design Styles Adjectives Support Sheet
4. Continue Superhero House Design

**Nat5/H/AH:** Complete and submit any outstanding work, revise from notes and watch video clips to prepare for snapshot test in August. See class Notebook; Contents Library; Week 7 for full details. |
| **Engineering Science** | **S3:** Analogue Electronics - Series and Parallel circuits.**Nat5:** Consolidate analogue electronics - Series, parallel, ohms law and power calculations.**H:** Assignment on Material Properties. |
| **Graphic Communication** | **S3:** Preliminary, Promotional & Production Graphics. Manual graphics Vs Computer Graphics, advantages/disadvantages of each. Booklet to read then a question booklet based on past paper questions. **Nat5**: Sectional views, hatching on components and assembly drawings and all relevant BS conventions. Booklet to read, then a question booklet based on past paper questions. **H:** Sectional views, hatching on components and assembly drawings and all relevant BS conventions. Booklet to read, then a question booklet based on past paper questions. **AdvH:** Research Worksheet on knowledge and understanding of the types printing technologies in industry. Videos to watch: Laser printing:<https://www.youtube.com/watch?v=WB0HnXcW8qQ> Inkjet printing:<https://www.youtube.com/watch?v=qPwlgL91-Q4>Wide-format printing:<https://www.youtube.com/watch?v=GZEnnBKFUTQ> Screen printing: <https://www.youtube.com/watch?v=2k0KEDfdYPk> Offset Lithography:<https://www.youtube.com/watch?v=pNZb7CXUjs0> Solid ink printing: <https://www.youtube.com/watch?v=s-Akwqfsciq> |
| **Woodwork** | **S3:** FORM Tools and their purpose part 2.**Nat4/5:** FORM Tools and their purpose part 2. |
| **Metalwork** | **S3:** Homework exercise 2.**Nat4/5:** Theory Notes and Homework Booklet Task 7&8. |
| **STEM/Developing the Young Workforce** | **F1 in Schools:** New teams Phoenix and Fusion complete week 3 of their four-week plan (agreed at previous Friday meeting). Prodesktop still available to download on year group Teams if required, but pupils can also download Autodesk Fusion free online. Team Meeting at 12:30 on Friday. **Dynamic** Racing and existing Phoenix Racing to pull together Virtual Presentations and upload to Teams for feedback. Cars must be completed and Folio’s shared for feedback.**Nail Bar:** Continue with branding activities and meet online with Mrs Wilson to discuss. 3-4 pupils will be chosen to represent the team at initial Branding Meeting with partner agencies on Wednesday 24th June. Also, online Nail Art Tutorials to work through. Pupils to request/suggest required materials for home learning packs.**Barista:** Continue with branding activities and Uniform design. Meet online with Mrs Barclay to discuss Branding, Business plan and profit margins. 3-4 pupils will be chosen to represent the team at initial Branding Meeting with partner agencies on Thursday 25th June. |
| **Modern Languages** | **S1 French**: Pupils are learning to describe what other people do using “they”. Assignments posted on Team. **S1 Spanish:** This week we will look at different facilities in a school and how to describe them in Spanish using adjectives. **S3 French**: Pupils to continue Learning about activities in the past tense. **S3 German**: This week, we will continue with an introduction to German and will be looking at pronouns and nouns around the topic of self and family. **S3 Spanish**: Pupils will be learning about the time over the next two weeks and have several worksheets to complete. **S4 French**: Pupils are to start working on a film review in French. **S4 Spanish**: Pupils will learn how to discuss ailments and how to use the expression “me duele(n)” to explain what hurts. They also have Pearson interactive activities to complete online and a short writing task. **Higher French:** Pupils will continue to work from the Society Booklet. There will also be two Listening tasks about friendship. **Higher Spanish**: Pupils have Reading and Listening practice on the topic of family/holiday. Revision of Preterite (Past Tense). **Adv Higher Spanish**: Pupils continue reading their book and do pages 16 - 18 in the grammar booklet (pluperfect tense). They will also have a written exercise to complete. |
| **Expressive Arts** |  |
| **Drama** | **S1 -** Live chat Tuesday 9am UNTIL THE HOLIDAYS: Monologue PowerPoint and performance/ design work. **S3 -** Introduction to structure and conventions. Adding flashback/flashforward and ONE other convention discussed in PP to the three-scene plan from last week. Live Chat Friday 9am **Nat5 - LIVE LESSON TALK THROUGH- 12:30pm-1pm on MONDAY**. This live lesson will be an introduction to genre and key moment- referring to existing plays as examples (included in PP). Complete form with genre questions. Genre/key moment assignment to be completed by Monday 15th June 9am. **Higher -** Due Mon 15th Assignment on Themes & acting features. Pupils will then complete “Marking Performance Analysis” assignment, using Forms. (issued Monday 15th, due Mon 22nd June) Live Lessons: Monday, 12:30-1pm Thurs, 3-3:30pm **NPA**: “Peter Pan” assignment 2 due Monday 15th. Pupils will then be given a “Peter Pan 3” assignment, looking at technical effects, as well as testing KU of vocabulary. National Theatre log in details are on the Teams page. **NC**: Monologue voice and movement theory assignment due Mon 15th. Pupils will then select a 2nd monologue, annotate it and read a Sway on vocal techniques, completing a short quiz at the end. (Set Mon 15th and due Mon 22nd). **NPA/NC** Q&A available: Mon 10:30-11 Thurs, 12:30-1pm |
| **Art** | **S1 -** New remote learning pack for S1 was posted on Monday 1st June for the rest of June. These packs can be printed and sent out as learning packs if required. **S3 - Expressive Research** 1. Create a Pinterest page for our genre of study: ‘STILL LIFE’
2. Watch and learn how to set up a still life composition. (YouTube)
3. Set up and photograph own STILL LIFE that you can use for your project.

**Column A Nat 5**: **Expressive** – Read and take notes from the Patrick Caulfield fact file. Write out sections about Pop Art and Photorealism. Design – 2 TASKS 1. Complete any Theme research images and images of jewellery market research and save and send all to Mrs Neill. Themes must be finalised and all if these images sent to Mrs Neill by Tuesday 16th June.
2. Write/type a Biography about Peter Chang and Rene Lalique (jewellers) and find 6 examples of each of their jewellery designs. Completed by Friday 19th June.

**Column D Nat 5**: **Written Element** **(Expressive) – Monday**: Read and take notes from the Patrick Caulfield fact file. Write out sections about Pop Art and Photorealism. **Thursday:** Read through the Post Impressionism & Pop Art Power Point and write a paragraph for each movement, describing the key characteristics of each style.**Column A Higher: Design** – Research paper jewellers and paper manipulation techniques & Continue 3D development by producing samples in paper. **Expressive** - Monday: Practical research- the pupil will read through the practical Power Points in files. They will explore Pinterest and google for examples of the various media techniques they will use for their own practical portraiture work this year (select 10 example of media techniques.) **Column E Higher Design**: Task 5 Development of 3D sampling into techniques and addition of other visual elements/ photos of 3D models can be placed in folders on Class Notebook for 18.06.20 **Expressive:** Monday: Practical Research. Read through 2 Power Points, introducing Portraiture and theme & photoshoot ideas. Create a Pinterest board and compile at least 5 images that show your chosen theme and 5 images of an inspirational artistic style that will link to your own work.**Adv H:** Continued reviews of ongoing work Samples and sketches and other visual evidence should be places in pupil folders in Class Notebook. Development of first stage drawings and sketches, first stage samples images in design for both styles of folios. These will form Sheet 2 and other first stage set of sheets of their final presentation. Written creative writing and or poems task and video shoot task Reviewing of work on a weekly basis Posting of any national competition work to allow involvement in over last two weeks of term. |
| **Music** | **S1 -** June Pick ‘N’ Mix. Pupils are to complete at least one task weekly, however, there is no limit on how much each pupil would like to do. New AHS Kahoot challenge posted weekly.**S3 -** Check in for performing. Continue allocation of pieces. Suggest emailing recordings of work to date. **Nat 5 -** Pupils to send in audio of performing work completed so far to allow for feedback. These do not have to be complete pieces. **N5 Music Literacy Booklet** Assignments are set weekly. New AHS Kahoot challenge posted weekly.**Higher -** Mondays will be Focus on Sound. Working through a different Higher LESSON each week. 6 Lessons should be completed by now. Thursdays will be practical, depending on what instruments are available at home. This arrangement will continue till school returns. Performing recording should have been submitted. |
| **Photography** | **S3 -** The photographers will research 2 still life photographers by writing a short biography for each photographer and select 4 examples of their work.**Nat5 -** The photographers will continue to work on the weekly plan. This week they will take 20 photographs of still life on their phone or cameras (thinking about what they learned from the still life photographers they researched). **Higher -** The photographers will continue working through their booklet from the properties of light through to the four styles of portrait lighting. The pupils will also watch the video on “white balance” of light to support their understanding. |
| **Music Technology** | **S3 -** Understanding Music Unit on N3 genres. New AHS Kahoot challenge posted weekly.**Nat 5 -** Consolidating and completing previous assignments. New AHS Kahoot challenge posted weekly.**Higher -** Continue assignment on Technological Developments Consolidating and completing previous assignments. New AHS Kahoot challenge posted weekly. |
| **Social Subjects**All resources on class teams | **S1 Social Subjects & RME** – China IDL China population policies lesson. |
| **Geography** | **S3 Geography** – Getting to know Kenya activities.**Nat5 Geography** - Scottish Studies project. **Higher Geography** – Exam technique and past paper questions.**Adv Higher Geography** – Issues Essay: continuing to research a topic. Study: Identify a topic to study. |
| **History** | **S3 History** – Early settlers/discovery of America.**Nat5 History** – Continuing Scottish Studies & N5 WW1 Project.**Higher History** –Women and the vote: Impact of WW1 research.**Adv Higher History** - Biographies/Appeasement and the Road to War research. |
| **RMPS/RME** | **S3 RMPS** – Utilitarian ethics and evaluating how effective they are in making moral decisions.**S3 Core RME** – RMPS challenge.**S4 Core RME** – Scottish Studies Project.**Nat5 RMPS** – History of IVF in UK/video of Miss Nisbet’s lesson.**Higher RMPS** – Cycle of poverty and how lack of education and poverty leads to crime. |
| **Modern Studies** | **S3 Modern Studies** –Women’s rights in Saudi Arabia.**Nat5 Modern Studies** - N5 Skills lesson and past paper questions.**Higher Modern Studies** - Essay writing/ South Africa’s global influence. |
| **Tourism** | **Nat5 Tourism** – Investigation: Impact of covid19 on tourism industry. |
| **Politics** | **Higher Politics** - Democracy to dictatorship in Hungary. |
| **Health Improvement** |  |
| **P.E.** | On Instagram, follow @workouts\_by\_dp and look to any of the ‘Active Recovery & Stretch’ tiles. From there, complete the workout by following the plan and copying the movement patterns shown in the videos. During this workout, focus the mind on remaining calm and attempt to complete each stretch in a controlled manner, maintaining your balance throughout. Describe what you found most challenging about performing this workout. Be specific with the examples you provide. Also, describe how you felt after completing the workout. For example, did you feel better or worse and give examples for this (calming, able to increase flexibility, time to relax, etc).  |
| **H.E.** | Watch The Great British Sewing Bee and answer the questions on sustainability.We are learning how to button & sequin. This will develop your skills glossary. Watch the Youtube clip and practice at home. |
| **Early Learning and Child Care** | **S3 and Nat5**Watch CBeebies book at bedtime at:<https://www.bbc.co.uk/cbeebies/shows/bedtime-stories>Find one book you like either from CBeebies or one you have at home or online. Read your chosen book then using the questions provided on Teams create a book review on paper or online. You can be as creative as you want with pictures or drawings. |