Royal School, Armagh

KEY STAGE 3

CHRISTMAS REVISION LIST

Year 9

1. ART

Art does not issue a revision list as the students are assessed on the classwork/projects that they have been working on throughout the term.

2. ENGLISH

Focus on poetry

Revise "The Owl" by Edward Thomas and "In Flanders Fields" by John McCrae, considering what both poets say about war. The questions for the examination are at the back of the War Poetry Booklet and pupils have been directed to them. Pupils can prepare an essay in advance. They should think about how to compare and contrast the poems, biographical information about the poems and poetry techniques. They should think about the PETE structure.

3. FRENCH

Year 8, booklet 2 (where we started in Sept)
- JOUER with prepositions (au / à la / aux /du /de la / des /d'):
- Sports (pg 46 year 8 booklet)
- The negative (pg 48 year 8 booklet)
- Giving detail about playing sports – when/where/who with etc) (year 8 booklet pg 51)
- Musical instruments (year 8 booklet pg 55)
- Negative with musical instruments (year 8 booklet pg 57)

Year 9 booklet
- Jouer and other -ER verbs pg 2-4
- Weekend activities pg 6
- Time phrases pg 6 & 7
- Irregular verb FAIRE pg 9
- Faire activities (including use of du / de la / de l' and des) pg 10 & 11
- Weather & Seasons pg 14 & 15
- Activities in different weather / seasons pg 18
- The verb AIMER pg 25
- Likes and dislikes & opinions pg 27
- Writing about a typical weekend pg 32 (When/where/with whom/opinions etc)

4. GEOGRAPHY

Use the checklist below to help you with your revision before the examinations. We suggest you take one topic at a time and make sure you have revised each point thoroughly and can draw any diagrams where necessary.

Unit of Study: Weather and Climate

Required Knowledge and Understanding

- Keywords and definitions
- Weather instruments
- Air masses
- Types of rainfall
- Synoptic charts
- Low and high pressure
- Weather associated with anticyclones
- Weather associated with depressions
- Climate graphs

5. HISTORY

Royalty and Rebels – Unit 2

- The events of the life of Mary Queen of Scots
  - Be aware of the key events in her life (use your timelines/obituary tasks)
- The causes of the Spanish Armada
  - Religion – Elizabeth's persecution of catholics (e.g. her cousin)
  - England's support for the Dutch in their war vs Spain
  - English pirates targeting Spanish ships travelling from the New World.
- Main events of the Armada / why did it fail
  - Route of travel
  - Crescent formation and how it was broken
  - Return journey to Spain
- Who was James I
  - Be able to identify and explain key characteristics of this monarch
- The Gunpowder Plot
  - Awareness of the key events & individuals involved in the Gunpowder Plot.

Plantations of Ulster – Unit 3

- Flight of the Earls
- Monarch responsible for the Plantation
- How the plantation worked
  - Which counties were planted
  - The different groups who received land
  - Positives of the plantation
  - Negatives of the Plantation

6. HOME ECONOMICS

Fast food and healthy eating advice:

- Definition of fast food
- Reasons why we eat fast food.
- The detrimental effects to our health of eating fast food.
- Healthy eating guidelines
- Fibre: functions, sources and ways how to include more fibre in the diet.
- Fat: functions, sources, impact on our health, fat alternatives, tips for reducing fat when shopping and cooking, the difference between hidden and visible fat.
- Sugar: functions, effects of eating too much in the diet, ways how to reduce sugar in the diet
- Salt: function in the diet, sources, effects of eating too much salt in the diet, ways on how to reduce salt in the diet.
- Advice for healthy living.

Needs throughout the life cycle:
- PIES
- 5 stages of the lifecycle
- Family definition
- How mealtimes can be made more enjoyable and meets the neds of a child

Adolescence:
- Common issues that an adolescent may face
- Decisions they will have to make throughout life
- Who influences the decisions adolescents make?
- Peer pressure – positive and negative effects
- Definition of a compromise and examples

Vegetarian/Vegan Diets:

- Type of vegetarians
- Reasons why people choose a vegetarian diet
- Possible nutritional concerns for a vegetarian/vegan
- Foods that will provide the main nutrients in a vegetarian and vegan diet.
- Vegetarian alternatives
- Do's and don'ts of following a vegetarian or vegan diet.
- What are the advantages of including Quorn in the diet.

7. ICT

Programming Knowledge
- Be able to answer questions about **Scratch Programming & Micro:Bit Programming**.
- Understand scratch blocks and answer questions about them.
- Know about (using Scratch Theory Notes to help)
    - Variables
    - Loops
    - Boolean Expressions
    - Conditions
    - Statements
    - Selection
    - etc...

Also look at the BBC Bitesize link in Google Classroom for **Programming**
https://www.bbc.co.uk/bitesize/guides/zts8d2p/revision/1

iDEA
- Cyber Security - Caesar Cipher
    - https://www.xarg.org/tools/caesar-cipher/
- Hashing function
- Passwords
- Fake News
- Cyber Crime
- Keeping safe online

eSafety / Internet Safety / Online Safety
- Know appropriate age ratings for a given range of websites/apps. Be able to identify the logos - See: 9 ICT Revision
    - Multiple choice questions
    - True or False Questions
- Scenario - give advice to a person setting up a social media account(s)

Also look at the BBC Bitesize links in Google Classroom for **eSafety** and **Online Safety**

https://www.bbc.co.uk/bitesize/guides/zrtrd2p/revision/1
https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1

Other Topics
- Phishing
- Data Theft
- Spamming
- Malware
- Hacking
- Hackers
- Viruses

Key Terms & Definitions

biased	Holding an opinion that often unfairly supports one argument, eg a football fan thinking that a referee's decision was wrong because it went against their team.
copyrighted material	Work protected by copyright law.
email address	The address of an email account to which emails are sent. All email addresses are unique.
external storage devices	A device for storing files that is not part of the computer. This makes it portable.
IP address	A unique address for each computer device on a network.
malware	Software that is designed to cause harm or damage to a computer. This includes viruses that might damage files, adware that causes pop-ups, and spyware that collects and shares login details.
mobile applications	Applications designed to run on mobile devices. These can be used for creating documents, taking pictures, listening to music, playing games or finding directions.
newsletter	A document that is produced regularly to pass on information to people who are interested in a common topic, eg. a school newsletter might include dates of school holidays and school productions. Newsletters are often sent by email.
unauthorised access	Using a computer system without permission.
algorithm	A sequence of logical instructions for carrying out a task. In computing, algorithms are needed to design computer programs.
execute	To run a computer program.
programming	The process of writing computer software.
pseudocode	A method of writing up a set of instructions for a computer program using plain English. This is a good way of planning a program before coding.
Scratch	A high-level programming language that is presented in graphical blocks.

anti-virus	Anti-virus software scans all forms of storage devices for viruses (programs harmful to computers) and, if found, attempts to remove them.
cyberbullying	The bullying of another person using the internet, mobile phones and other digital devices.
firewall	An application that prevents unauthorised connections to and from the Internet.
malware	Software that is designed to cause harm or damage to a computer. This includes viruses that might damage files, adware that causes pop-ups, and spyware that collects and shares login details.
phishing	An attempt to gain personal information about someone by way of deception, eg sending an email pretending to be from their bank asking them for their bank details.
trojan	Malware that appears legitimate, but performs some malicious activity when it is run.
troll	A derogatory name taken from the troll character in folklore and now used as a term for a person who posts offensive messages online.
virus	Any computer program designed to replicate and damage other computer systems and software.

8. MATHEMATICS

Examination structure

Papers: 2 (one calculator and one non-calculator),
Time: 30 minutes each
Equipment: Calculator, pen, pencil, ruler and eraser.

Topics to Revise

Chapter 1 - Whole numbers and decimals

- Ordering numbers
- Adding and subtracting negative numbers
- Multiplying and dividing with negative numbers
- Multiples and Factors
- Square, cube and prime numbers
- Square roots
- Highest common factors (HCF) and Lowest Common multiples (LCM)

Chapter 2 - Measures, area and perimeter

- Converting metric and imperial measures
- Calculating the area and perimeter of ;rectangles, triangles, parallelograms, trapeziums and ,compound shapes

Chapter 3 - Expressions and Formulae

- Simplifying expressions (collecting like terms)
- Indices
- Expanding brackets
- Substituting values into expressions and formulae
- Writing formulae

Chapter 4 - Fractions, Decimals and Percentages

- Ordering Decimals
- Converting between, Fractions, Decimals and Percentages
- Adding and Subtracting Fractions
- Finding Fractions and Percentages of amounts

Chapter 5 – Angles and Shapes

- Calculate missing angles at a point and on a line
- Calculate missing angles in a triangle
- Work with angles in parallel and intersecting lines (Alternate, Corresponding and Interior angles)
- Use the properties of quadrilaterals
- Use the properties of some polygons

Chapter 7 - Mental calculations

- Rounding
- Addition, subtraction, multiplication and division of decimals
- Multiplying by powers of 10

Chapter 10 - Equations

- Solving one and two step equations
- Solving equations with unknowns on both sides
- Solving equations involving brackets

Revision resources and guidance

Complete all the 'My Practice' and 'My Review' exercises from the relevant chapters.
A revision question sheet will also be provided by your teacher in the weeks before your exam. If you have any questions or queries, you should talk to your teacher.
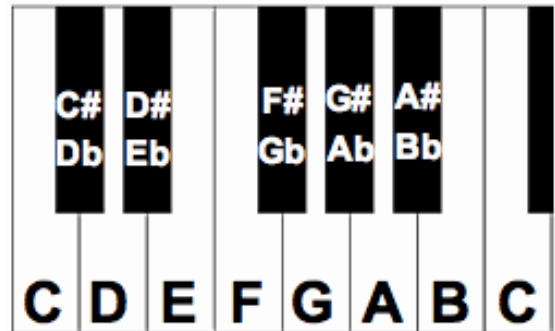
9. MUSIC

Beware! You should not only learn what is on this sheet. Rather, you should use it as a guideline for your more detailed revision. The headings should point you back to your music booklet where you would have covered topics in greater detail.

A. Keyboard Skills

You need to know the pitch names on a keyboard as outlined in the diagram.

You will be required to know how many notes there are in an octave and how to label these on a keyboard.

You should be aware of how pitch is affected on the keyboard when moving from left to right.

B. Mood Music

You need to know how the elements of music can be changed to create a particular mood. These include:
- Tempo;
- Dynamics;
- Texture;
- Pitch;
- Articulation; and
- Tonality.

You should be able to back up your thoughts on how you think a mood has been created through music by identifying specific features of it. Refer to Page 14 and the written descriptions as exemplar answers.

C. Performance Directions

You need to know how to add specific performance directions to musical notation. The performance directions will include:
- Articulation
  - Staccato
  - Legato
- Dynamics
  - Loud
  - Quiet
  - Quite loud
  - Quite quiet

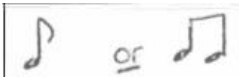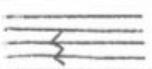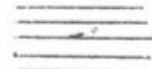You should also know:
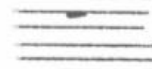- Pause markings
- Accents
- Tenuto
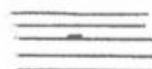
D. Instruments of the Orchestra

You need to know the four instrumental families in the orchestra and recognise their sounds, aurally.

- Strings (violin, viola, cello, double bass, harp)
- Woodwind (flute, oboe, clarinet, bassoon)
- Brass (trumpet, trombone, French horn, tuba)
- Percussion (bass drum, boomwhacker, triangle, maracas, djembe, tambourine etc)

E. Music Theory

You will need to be familiar with different types of notes and what they look like as outlined in the table, below:

Note Name	Length of Note	Note	Rest
Quaver	1/2 beat	♪ or ♫	⅄
Crotchet	1 beat	♩	
Minim	2 beats	♩	
Dotted Minim	3 beats	♩.	
Semibreve	4 beats	𝅝	

You should also be able to recognise the finger patterns for the following pitches on recorder:
- Low D
- Low E
- F#
- G
- A
- B
- C
- C#
- High D
- High E

Make sure, too, that you know what these notes look like in notation format.

F. In the Hall of the Mountain King

This piece of music will appear as a listening question on the examination paper. Make sure you are familiar with what it sounds like, who wrote it and what a suite is. Look, too, at your 4 mark question too as a revision tool.

Refer to Pages 15-16 for more information on this piece.

G. Chariots of Fire

This piece of music will appear in the listening section of the examination. You need to know the facts in the box on Page 28 and recognise the melody.

Refer to Page 29 for an overview of the music, too.

H. Film Music

Refer to Pg 32 for features of main sections of music in a film. You should be able to define:
- Soundtrack
- Leitmotif
- Song
- Main Tune
- Synchronisation/Mickey Mousing

You need to know what a tie looks like and its purpose in music.

10. RELIGIOUS STUDIES

(Exam Duration: 45 minutes)

Topics to Revise:
- First Century Palestine
- Birth of Jesus
- Jesus lost in the Temple
- The Baptism of Jesus
- The Temptations of Jesus
- The teachings of Jesus: Forgiveness, Love & Judgement.
- The miracles of Jesus: The Paralysed Man & Calming the Storm.

11. SCIENCE

On the Move
- Forces and Friction
- Energy changes
- **s = d/t**
- Speed/distance/time graphs

Ecological Relationships
- Organisms and adaptations to habitats
- Food chains and webs
- Sampling methods
- Pyramids of number

Elements, Compounds and Mixtures
- Periodic Table
- Structure of Atom
- Protons, neutrons and electrons
- Separation Techniques

12. Spanish

- Greetings (conversation)
- Numbers 1-31
- Objects in schoolbag
- All parts of the verb '**Tener**' (to have) and be able to use them in sentences
  Eg. She has a rubber = **Tiene una goma**
- Ages, months and birthdays
- Days of the week
- A – **un /una**
- Some - **unos /unas**
- The – **el / la / los / las**
- How to make words plural: For example: un animal – **unos animales**
- my/your/his/her - **mi/mis, tu/tus, su/sus**
- Countries and nationalities (masculine and feminine singular)
- All parts of the verb '**Ser**' (to be) and be able to use them in sentences
  e.g. **Soy de** Irlanda del Norte = I am from Northern Ireland
        Soy irlandesa = I'm Irish
- All parts of the verb '**Vivir**' (to live) and be able to use them in sentences
  Eg. **Vivo** en Armagh = I live in Armagh
       Viven en Newry = They live in Newry
- …en el norte, el sur, el este, el oeste (in the north, south, east, west)
- All parts of the verb '**Hablar**' (to speak) and languages
  Eg. **Hablo** inglés = I speak English
       Hablan francés = They speak French
- Members of the family and what they are called ('**se llama**' and '**se llaman**')
- Answer the following questions:
  1. ¿Cómo te llamas?
  2. ¿Cuántos años tienes?
  3. ¿Cuándo es tu cumpleaños?
  4. ¿De dónde eres?
  5. ¿De qué nacionalidad eres?
  6. ¿Dónde vives?
  7. ¿Qué idiomas hablas?
  8. ¿Cuántas personas hay en tu familia?
  9. ¿Tienes hermanos?
  10. ¿Cómo se llama (tu padre / madre / hermano / hermana)?