



# ROYAL SCHOOL ARMAGH

## REVISION LIST

**KEY STAGE 3**

**Year 8**

**SUMMER 2025**

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### Top Tips for Revision

- Make sure you know which topics you need to revise - make a revision list and a timetable of when you will revise each subject.
- Make your revision active. Don't just read notes. You could make flash cards, mind maps or use post it notes.
- You could stick your mindmaps up on the wall and then walk around your room reciting the key details out loud.
- You could record yourself reading your revision notes and listen back to it regularly.
- Watching videos online can really help to bring your notes alive!
- Use colour and stick to the same colour for different topics
- Test yourself by completing practice questions or asking a friend to test you! This will identify areas of strength and weakness
- Build in rewards for your revision eg: your favourite snack or using social media
- Revise in short bursts: 20 - 25 minutes, then have a 5 minute break

## 1. ENGLISH

Creative Writing - you will be expected to write a scary story (ghost, horror, macabre with elements of the gothic). You should revise the art of 'Show, Don't Tell' and focus on creating tension.

Grammar - full stops and capital letters, parts of speech, apostrophes and synonyms.

## 2. FRENCH

- Greetings – including: alphabet, spelling, numbers 1-31, age, dates, birthdays, family, pets/animals (plural nouns)
- Descriptions – including: the verbs 'avoir' and 'être', hair, eyes, physical descriptions, personality descriptions, agreement of adjectives
- Body parts and how to describe them (make sure to know whether a part is masculine or feminine)
- Saying you have a sore body part (using avoir mal + à)
- Clothes and colour adjectives (including how to make the adjective 'agree' with the noun
  - e.g. une robe bleue, des chaussures noires)
- Regular 'er' verbs – e.g. 'porter'
- Subjects (and étudier to study)
- Saying you like / dislike a subject and why

### **3. 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.

#### **Becoming a geographer:**

- Oceans and continents
- Key countries around the world
- European countries
- The British Isles
- Latitude and longitude

#### **Map Skills**

- Scale
- 4 figure grid references
- 6 figure grid references
- Directions
- Symbols and reading a key

#### **Rivers and Flooding**

- Key rivers around the world
- The Water Cycle
- Drainage basin
- How a river changes downstream and why (erosion, transportation, deposition)
- Formation of a waterfall
- Physical causes of flooding
- Human causes of flooding
- Impacts of flooding
- River management strategies

#### **Economic Activities**

- Key terms and definitions
- Classification of jobs
- Primary, Secondary and Tertiary employment
- Types of Farming

## 4. HISTORY

### William's problems after the Battle of Hastings

- Domesday Book
- Feudal System
- Harrowing of the North

### Motte and Bailey Castle

- Positives/ Negatives
- Parts

### Stone Castles

- Why were stone castles created?
- Positives/ Negatives
- Stone keep
- Attacking and defending a stone castle
- Defensive parts of a stone castle
- Different ways of Attacking a castle

### Norman's invasion of Ireland

- Why did the Norman's invade Ireland?
- Who are the main individuals involved with the invasion?

### **SOURCE HANDLING ISSUES – there will be a sources section in the paper**

**You should be able to demonstrate the following:**

- the ability to **understand the meaning of sources**
- the ability to **take evidence as 'quotations' from sources in order to support what you are writing.**
- an awareness of **how much sources agree and disagree**
- an awareness of **things which affect sources' reliability**

## 5. HOME ECONOMICS

- Hygiene and Safety rules
- Equipment and measuring
- The Eatwell Guide
- The 8 tips for eating well
- Breakfast
- Where does my food come from
- Cereals
- Nutrients
- The cooker
- Cooking methods
- Definition of Family
- Types of family structures
- Shared roles and responsibilities within families
- Role reversal in families
- Family Conflict
- Family Mealtimes

## 6. ICT

### **Summer Examination Revision - all notes are on this GC on pdf:**

- Spreadsheets
- Health and Safety Issues When Using Technology
- Malware and Cybersecurity
- Databases - key terms and definitions

### **Spreadsheets**

- Purpose / Uses of a spreadsheet
- Features of a spreadsheet
- Functions (SUM, AVERAGE, MIN, MAX, IF, etc...)
- CSV
- Formula
- Validation (Length check, Range check, Format check, Presence check, Type check)
- Replicating formula
- Relative Cell Referencing
- Absolute Cell Referencing
- Charts & Graphs (Bar Charts, Pie Charts, etc...)

### **Databases**

- Key features of a Database (Database, Tables, Fields, Records, Key Field, Data Types)
- Queries

### **Health & Safety**

- RSI (Repetitive Strain Injury) and other potential ailments caused by computer usage
- How to stay safe when using a computer (preventative measures)

### **Malware and Cybersecurity - review all sections**

### **Key Terms & Definitions**

- Virus
- Backup
- Merged cell
- Formula
- Levels of Access
- Trojan horse
- Worm
- Ergonomics

## 7. MATHEMATICS

### Examination structure

**Papers:** 2 (one calculator and one non-calculator)

**Time:** 40 minutes each

**Equipment:** Calculator, pen, pencil, ruler, protractor and eraser.

### Topics to Revise

#### **Chapter 1 & 7 - Whole numbers and decimals**

- Round to a given degree of accuracy; nearest 10, 100, units, 1 d.p., 2 d.p. etc.
- Order of operations – BIDMAS
- Written methods of adding, subtracting, multiplying and dividing with whole numbers
- Multiply and divide by 10, 100 and 1000
- Adding, subtracting, multiplying and dividing negative numbers
- Place values in order

#### **Chapter 2 - Measures, Area and Perimeter**

- Calculate the area and perimeter of a triangle, parallelogram and a compound shape.
- Read measurements from a scale

#### **Chapter 3 - Expressions and Formula**

- Creating and simplifying algebraic expressions
- Collecting like terms
- Expanding brackets
- Using a formula to find an answer by substituting in numbers for the letters
- Setting up and using a formula

#### **Chapter 4 - Fractions, Decimals and Percentages**

- Convert between fractions, decimals and percentages
- Adding and Subtracting fractions, mixed numbers
- Calculate a fraction or percentage of an amount

#### **Chapter 5 - Angles and 2D shapes**

- Use angle facts to work out unknown angles

#### **Chapter 6 - Graphs**

- Read and plot coordinates in the four quadrants
- Draw a straight line graph using a table of coordinates

#### **Chapter 8 - Statistics**

- Calculate the Mean, Mode, Median and Range from a list of numbers
- Construct and read information from: tally table, bar chart, pie chart, line graph



### **Chapter 9 - Transformations and Symmetry**

- Reflect a shape in a mirror line
- Lines of symmetry and rotational symmetry
- Rotations
- Recognise and describe a translation

### **Chapter 10 - Equations**

- Multiply and divide numbers and letters in algebra
- Find the values needed to balance calculations
- Solve an equation by adding or subtracting on both sides
- Solve an equation by multiplying and dividing on both sides
- Solve two-step equations

### **Chapter 11 - Factors and Multiples**

- Find the factors and multiples of a number
- Find squares and square roots of a number
- Recognise prime numbers
- Find the LCM and HCF of a pair of a numbers

### **Chapter 12 - Constructions and 3D Shapes**

- Construct a triangle using 2 sides and the angle between them or 2 angles and the side between
- Volume of a cube and cuboid

### **Chapter 13 - Sequences**

- Continue a sequence
- Find a rule to describe a sequence of numbers
- Use a rule to find terms in a sequence
- Generate sequences from a pattern of shapes
- Find the  $n$ th term of a sequence

### **Chapter 16 - Probability**

- Probability Scale - describing words and fractions
- Calculate probabilities
- Sort information into a venn diagram

### **Revision Resources and Guidance**

Complete all the 'My Review' and 'My Practice' exercises in your textbook from the list above.

Revision questions will be provided by your teacher in the weeks before the exam. If you have any questions you should ask your teacher.

**NOTE! Any questions – just ask your teacher for guidance!**

## **8. 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.

### **i. Percussion**

Knowledge of the difference between:

- Pitched
- Unpitched

How sound is created on percussion instruments:

- 4 different ways
- Awareness of the difference between hitting and hammering
- Know what a beater is
- Recognise how sound is created on certain instruments. Know at least a couple of examples of each

### **ii. Ostinato**

Recognise:

- The two types of ostinato
- How to identify what type of ostinato you are listening to

Awareness of the term **round** and what that means

#### **Set Work: Take 5**

- Make sure you know the facts about this piece of music found on Pg 57 in Booklet 1
- This piece of music will appear in the listening section of your examination so ensure you are familiar with it

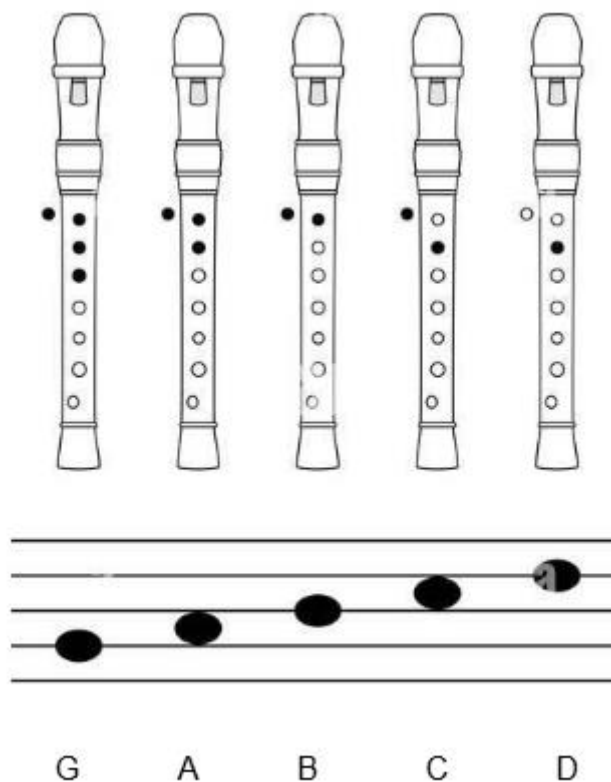
### **iii. What makes a good song?**

Knowledge of:

- Careers involved in creating a song (Pg 4 in Booklet 2)
- Different styles of songs and how these are created
- Strophic form
  - Features of the sections contained within this structure (Pg 7 in Booklet 2)
- What a riff is

#### iv. Performance

You must also be aware of how to play pitches G, A, B, C and D on recorder.



#### v. Elements of Music

You must be able to incorporate musical language into your written answers such as:

- Dynamics (Volume)
- Tempo (Speed)
- Pitch (High/Low)
- Rhythm (Long/Short)

#### vi. Score Reading

You should revisit the following musical components that were introduced at the beginning of the year:

- Notation (notes in lines and spaces)
- Note values (quavers, crotchets etc.)
- Rests
- Bar lines
- Double bar lines
- Time signatures

## 9. RELIGIOUS STUDIES

Exam Length: 45 minutes

Topics to revise:

- The Ten Commandments
- Ruth and Naomi
- David and Goliath
- Judaism
  - Israel today
  - The Holocaust
  - Key beliefs
  - Sacred writings and symbols
  - The Synagogue
  - Prayer
  - Jewish artefacts
  - Kosher rules
  - Shabbat

## 10. SCIENCE

### Introduction to Science

- Bunsen Burner
  - Labelling, lighting and difference in flames
- Measurement
  - Using different units for different quantities.

### The Universe

- Earth
  - Day and Night – definition
  - Year – definition
  - Seasons – reason.
- Moon
  - Phases
  - How the phases are created – shadow of earth.
- Sun
  - What is a star
  - Solar eclipse
  - Lunar eclipse
- Solar system
  - Planets and order
  - What is beyond- galaxy, universe.

### Living Things

- Characteristics MRS GREN
- Microscope – labelling, functions, preparing a slide.
- Cells – parts and functions, specialised cells.
- Organ systems – functions, organs in each system.

### What makes me Unique?

- Variation
- Hereditary/environmental – examples
- Continuous/discrete – examples
- Histogram/Bar chart – constructing and analysing

### Solids, Liquids and Gases

- Matter – definitions.
- States of Matter – properties
- Changes of state.
- Cooling curves
  - Labels – what does a flat line represent
  - Boiling points and melting points.
- Forces
  - What is a force and examples of different types of forces.
  - Balanced and Unbalanced forces.
  - Moments