

## Mid-year Exam Information 2023 – Year 9

ENGLISH
<b>Description</b> In English, students will be assessed on key linguistic terms such as similes and metaphors, will be asked to fix grammatical and punctuation errors such as comma splices, and will produce a short piece of writing analysing a short extract from Animal Farm.
<b>Topic list you need to revise:</b> - 100% Knowledge Organiser from Booklet 1 and 2 - Grammatical rules - e.g how to avoid comma splicing and run-on sentences, when to use various forms of punctuation etc - Revising the plot and themes of Animal Farm

MATHS
<b>Description</b> Everything that has been studied in maths since September may be assessed. This will be a non-calculator assessment.
<b>Topic list you need to revise:</b> <ul style="list-style-type: none"><li>• Understand and manipulate exponents, including exponents with a negative base.</li><li>• Add, subtract, multiply and divide negative numbers. (<a href="https://teachers.thenational.academy/units/positive-and-negative-numbers-6c53">https://teachers.thenational.academy/units/positive-and-negative-numbers-6c53</a>)</li><li>• Area of rectangles, squares, parallelograms and triangles understanding perpendicular height. (<a href="https://teachers.thenational.academy/units/area-of-2-d-shapes-13b9">https://teachers.thenational.academy/units/area-of-2-d-shapes-13b9</a>)</li><li>• Finding factor and multiples of numbers.</li><li>• Find the Highest Common Factor, HCF, and Lowest Common Multiple, LCM, of a number. (<a href="https://teachers.thenational.academy/units/prime-factor-decomposition-9030">https://teachers.thenational.academy/units/prime-factor-decomposition-9030</a>)</li><li>• Know the first 10 prime numbers and be able to use divisibility tests to check if a number is prime. (<a href="https://teachers.thenational.academy/units/factors-and-multiples-18a4">https://teachers.thenational.academy/units/factors-and-multiples-18a4</a>)</li><li>• Find the prime factor decomposition of a number.</li><li>• Know the first 10 square and cube numbers.</li><li>• Find square and cube roots.</li><li>• Apply the correct order of operations when answering questions.</li></ul>

SCIENCE
<b>Description</b> Pupils will sit a 40 minute assessment. There will be a mixture of multiple choice and exam style questions.
<b>Topic list you need to revise:</b> <ul style="list-style-type: none"><li>• Pupils need to self quiz from their core questions sheet for topics: B1, B2, B3 and B4.</li></ul>

COMPUTING
<b>Description</b> Your computing exam will be approximately 30 mins long. It will be mostly multiple choice questions.
<b>Topic list you need to revise:</b> <ul style="list-style-type: none"><li>• Topic 1: What is a computer (100% Book 1)<ul style="list-style-type: none"><li>○ What is a computer 1-5</li><li>○ CPU</li><li>○ Main memory: ignore 24 (Cache)</li><li>○ Three types of storage<ul style="list-style-type: none"><li>▪ Magnetic: represents 1s and 0s using magnets e.g. hard drive</li><li>▪ Optical storage: represents 1s and 0s using pits and lands e.g. DVD</li><li>▪ Solid state storage: no moving parts e.g. USB memory stick</li></ul></li></ul></li><li>• Topic 2: Python programming (100% Book 2)<ul style="list-style-type: none"><li>○ How to print</li><li>○ How to input</li></ul></li></ul>

- How to concatenate (joining things together using a + or , sign)
- Topic 3: Data representation (everything in Computer Science 2 and 3 in Book 2)
  - Binary/Denary conversions
  - Binary key knowledge
  - Binary table/grid
  - Binary addition
  - Binary shift

### SPANISH

**Description**

Listening: multiple choice and open short answer.  
 Reading: multiple choice and open short answer.  
 Writing: open short and long answer.  
 Translation from Spanish to English: short sentences.  
 Translation from English to Spanish: short sentences.

**Topic list you need to revise:**

Vocabulary:

Greetings. Adjectives about personality. The translation for the words "the" and "a". Siblings. Numbers from 1 to 31. Your age. Your birthday. Months. Pets. Colours. High-frequency words like "quite", "very", "but", "also" or "and". How to say "I like" or "I don't like" and the reasons for it. Expressions of frequency.

Grammar:

Gender and number agreement. How to ask questions in Spanish. Ending of the verbs seen in lesson. Word order. Verbs in infinitive after phrases of opinion.

Every word, phrase or sentence seen during the vocab tests from 1a to 7b might appear on the test. The students will receive a two-page booklet with the word "Palabras" written on the top left corner that they can use to revise.

### HISTORY

**Description**

Map to label, timeline, knowledge questions (mixture of multiple choice and short answer questions)

**Topic list you need to revise:**

Who fought in WW1, why countries were preparing for war before 1914 and how war broke out- see 100% books and WW1 booklet.

### GEOGRAPHY

**Description**

Questions will be short answer only.

**Topic list you need to revise:**

Structure of the Earth, plate tectonics and continental drift theory, plate boundaries, volcano structure and types, volcanic hazards, eruption case study, monitoring and prediction for volcanos, earthquake causes, earthquake case study.

### RE

**Description**

Multiple choice questions about Judaism.

**Topic list you need to revise:**

Use your 100% book, revise the following topics:

- Who are the Jews?
- What are the Jewish holy books?
- How do Jews worship in the synagogue?
- How do Jews keep the Shabbat Mitzvot?

- How do Jews keep Kosher?
- What happens when Jews are born?
- How do Jews celebrate Bar or Bat Mitzvah?
- What festivals do Jews celebrate?

#### ART

##### **Description**

Students assessed on three core aspects:

1.) Understanding: Linear perspective, The Renaissance, Photorealism, Formal Elements: Line, Shape, Texture, Colour, Tone

Assessed via multiple choice/ visual analysis (long answer question)

2.) Exploring: Use of asymmetry and rule of thirds to compose artwork

Assessed via sketchbooks/ verbal discussion

3.) Making: Use of linear perspective, tone and colour to create the illusion of depth

Assessed via sketchbooks/ practical activity

##### **Topic list you need to revise:**

- All key words in 100% Book One

#### MUSIC

##### **Description**

Multiple choice, listening and theory questions

##### **Topic list you need to revise:**

- Revise everything from 100% booklet. Practical assessment of Samba completed in Autumn term.

There is no exam for Drama or PE for Year 9.