

HELSEBY

High School



Achieving Success
Valuing Others

2023

Year 9

Quick Guide

Summer Exam

Preparation

English

Reading Assessment

Students will read two short non-fiction texts which are linked via theme. They will then answer questions based upon the texts. The questions will test the students understanding of the text (retrieval, comprehension, and inference) and their ability to analyse and comment on the effect of the writer's methods and make comparisons between the texts. The students will be expected to give a detailed response to the comparison and language analysis questions and support their ideas with evidence from the text.

Students will be prepared for their assessments in lessons.

Writing Assessment

The students will complete a transactional writing task. They are advised to spend 10 minutes planning before writing their response. A transactional piece is essentially a non-fiction style piece of writing, and students will be asked to write in the format letter. Students are also advised to leave time to check their work for errors. The writing task is linked thematically to the extracts the students have to read. Students spelling, punctuation and grammar skills will be assessed through the writing task. Students will be prepared for their assessments in lessons. They should revise the article writing format.

Art

Students will be drawing from direct observation. Students will be assessed on the formal elements of drawing including line, tone, mark-making, drawing techniques and processes.

Music

Students will be completing a performance or composition assessment depending on the topic they are studying. Students will be assessed on the quality of their performance/ composition and how well it meets the criteria in their assessment booklets.

Drama

Students will watch a short clip of a piece of live theatre and then begin an analysis of the performance and evaluate its effectiveness. They will also have a practical self-evaluation task.

Computer Science

Students will be assessed on the topics covered this year and a revision booklet will be provided via Show My Homework.

Geography

Pupils will be tested on the topic of 'Landscapes of the UK'.

Knowledge organisers will be provided to support revision. Pupils are also reminded to make use of class exercise books to aid revision.

Pupils will be tested on key geographical terminology, in particular, geomorphic processes (erosion, weathering, transportation, mass movement, deposition).

In addition, pupils will be tested on key river features such as waterfalls, gorges, meanders, ox-bow lakes and levees. It is strongly advised that pupil practice writing out a detailed paragraph to explain how each of the river features are formed.

History

Topics: Students will be assessed on their recall and understanding of the topics we have studied so far this year.

- First World War
- World War Two
- Cold War
- War on Terror
- Social Change since 1945

Form of assessment:

- 1) Shorter answer questions to test recall of key terms and events
- 2) Questions on the comparison of two sources / interpretations

Resources: Revision sheets will be issued in advance in class via Class Charts. Students should also use their exercise books and work booklets to prepare.

Maths

Foundation	Higher
Four rules with decimals	HCF/LCM
Factors, multiples, primes, squares, cubes	Ratio/Fractions
Prime factors, HCF, LCM	Ratio Hard
Percentages	Percentages
Fractions	Expand and factorise
Ratio	Factorise/solve quadratics
Rounding, estimation, BIDMAS	Factorising quadratics with coefficient
Negative numbers	Simultaneous Equations
Basic algebra	Inequalities / Changing the subject
Substitution	Pythagoras/trigonometry
Coordinates	3D Pythagoras/3D trigonometry
Expanding and factorising	Angles
Solving Equations	Angles in polygons
Solving equations with unknowns on both sides	Bearings (with trig)
Sequences	Pie charts
Inequalities	Cumulative frequency/box plots
Indices	Averages
Angles	Averages from a table
Angles in parallel sides	Scatter graphs/frequency polygons/stem and leaf
Area and perimeter	Standard form
Circles	Area, surface area, volume
Plotting graphs	Circles, cylinders, spheres
FDP	Probability
Four rules with fractions	Probability trees

Useful website for revision,

<https://corbettmaths.com/>

<https://hegartymaths.com/>

MFL

MFL French

Writing assessment – 45 minutes

You have three writing tasks to complete that will be in the style of the new GCSE exam that you will be taking at the end of year 11. The three tasks will be:

- 1 A grammar task where you fill in the gaps with the correct word – topic of education
- 2 A translation task – topic of education
- 3 A 90-word task (with three bullet points - topic of town & region)

How to prepare –

- Go onto LANGUAGE NUT regularly and work through the tasks which your teacher has uploaded as ‘assignments’
- Practise writing some sentences on the topic of town & region and education. Remember what you need to include to reach the next level e.g. frequency words, opinions and reasons, negatives, different subjects, two verbs together (j’aime faire...), the future tense (je vais visiter...), the perfect tense (je suis allé..) & the imperfect tense (for set 1) (Quand j’étais jeune, j’aimais...)
- Your teacher will go over in class how to prepare for the assessment, so please ask if you need any additional help.

MFL German

Writing assessment – 45 minutes

You have three writing tasks to complete that will be in the style of the new GCSE exam that you will be taking at the end of year 11. The three tasks will be:

- 1 A grammar task where you fill in the gaps with the correct word – topic of education
- 2 A translation task – topic of education
- 3 A 90-word task (with three bullet points - topic of town & region)

How to prepare –

- Go onto LANGUAGE NUT regularly and work through the tasks which your teacher has uploaded as ‘assignments’
- Practise writing some sentences on the topic of town & region and education. Remember what you need to include to reach the next level e.g. frequency words, opinions and reasons, negatives, different subjects, modal verbs (man kannman muss...), the future tense the future tense (Ich werde ... + infinitive), the perfect tense (Ich bin ... gegangen. / Ich habe ... gemacht. / Ich habe ... gespielt.) & the imperfect tense (Es war.../Ich hatte.../Ich musste...)
- Your teacher will go over in class how to prepare for the assessment, so please ask if you need any additional help.

Science

Biology

Your assessment will contain all GCSE topics covered so far in Year 9.

- B1 – Cells and Organisation
 - Microscopes
 - Animal and Plant cells
 - Specialised animal cells
 - Diffusion
- B2 – Cell Division
 - Cell division
 - Stem cells
 - Stem cell dilemmas
- B3 – Organisation and the Digestive system
 - Tissues and Organs
 - The human digestive system
 - Enzymes
- B4 – Organising animals and plants
 - The blood vessels
 - The heart
 - Breathing and Gas Exchange
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practicals:
 - Using a Light Microscope

You should bring a pen, pencil, calculator and ruler.

You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.

Chemistry

Your assessment will contain all GCSE topics covered so far in Year 9 exam.

The following topics can be assessed:

- C1 – atomic structure
 - Atoms – structure
 - Chemical equations
 - Separating mixture – filtration, crystallisation, chromatography, and distillation
 - History of the atom (all key scientists involved)
 - Ions, atoms, and isotopes
 - Electronic structure (how many electrons in each shell for the first 20 elements)
- C2 – the periodic table
 - The development of the periodic table. All scientists involved
 - Electronic structure and the periodic table
 - Group 1 – the alkali metals
- How Science Works skills such as analysing data, simple calculations and evaluating information.
- Practical Activities:
 - Chromatography
 - Distillation
 - Filtration

- Crystallisation

You should bring a pen, pencil, calculator, and ruler.

You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.

A revision homework is set on Seneca for all students to complete prior to the assessment.

Physics

Your assessment will contain all GCSE topics covered so far in Year 9 exam.

The following topics can be assessed in Paper 1:

- P1 – Energy stores & transfers
 - Changes in energy stores
 - Conservation of energy
 - Energy and work
 - Gravitational potential energy
 - Kinetic and elastic potential energy
 - Energy dissipation
 - Energy and efficiency
 - Electrical appliances
 - Energy and power
- P2 – Energy transfers by heating
 - Energy transfer by conduction
 - Specific heat capacity
 - Heating and insulating buildings
- P3 – Energy resources
 - Energy demands
 - Energy from wind and water
 - Power from the Sun and the Earth
 - Energy and the environment
 - Big energy issues.
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practical Activities:
 - Investigating specific heat capacity

You should bring a pen, pencil, calculator, and ruler.

You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.

A revision homework is set on Seneca for all students to complete prior to the assessment.

Religious Education

Students need to look at the following topics:

- Prejudice and discrimination - key terms and definitions, worldviews on prejudice and discrimination.
- Buddhism - Eightfold Path, Meditation

There will be a revision sheet on class charts containing a summary of all of the relevant information.

Technology

Year 9 D&T

- The Y9 D&T written assessment will take place in each group's one and only D&T lesson of their allocated assessment fortnight
- Year 9 D&T students will complete a written progress test assessment; they will also be marked on their ongoing practical work linked to their bug house project.
- Design and Technology knowledge banks will be uploaded to class charts in order to support preparation.
- The written assessment will assess specific areas linked to the project that they have been learning about in lessons including their knowledge and understanding of:
 - The design process.
 - Product analysis.
 - Biomimicry.
 - Timbers.
 - Timber joining methods.
 - Materials, components, equipment, and techniques linked to their practical work.

Year 9 Food

- Each student's ongoing practical work will be used to form a practical assessment and they will also undertake a written assessment which will take place in their one and only food THEORY lesson during their allocated assessment fortnight.
- The written assessment will cover the topics listed below.
 - Food safety, pathogenic bacteria, and food poisoning
 - Nutrition: The main nutrients, their functions (jobs) and good food sources of each
 - Health conditions caused by a lack or excess of some nutrients.
 - Factors affecting the nutritional requirements of different groups.
 - Foods from other cuisines around the world
 - Methods of making a starch-based sauce.
 - Food science of starch-based sauces.
 - Food developments: organic and genetically modified food
 - Food security, poverty, and waste
 - Food miles and carbon footprint
 - Reading data off a food label to compare products.
- Students can obtain hard copies of knowledge organisers from their class teacher to help them focus their revision – copies of these are also available on ClassCharts.