Ivybridge Community College

Key Stage 3 Assessment Topic List Year 8

Respect Aspiration Integrity Compassion

Year 8 End of Year Assessment

Subject	English
Year Group	Year 8
Assessment details	• Students are presented with an unseen non-fiction writing task. • They have a lesson to complete this task. • The task is part of an assessment completed by students across the country with the task set by the company that runs the assessment. The task is intended to assess how well students can write.
Topics covered	The 'topic' is very broad: writing. Within this, the following knowledge is particularly important: • How to plan and write an engaging text that is appropriate for task goal, audience and type. • How to craft the content, language and structure of a text for effect. • How to paragraph. • How to use spelling, punctuation and grammar both accurately and for effect. In particular, how to write grammatically complete and well-punctuated sentences.

Revision guidance

- Students should revise the items above, giving particular attention to the basic building blocks of writing: spelling, punctuation and grammar.
- BBC Bitesize is a useful free revision resource. While most students will find the Key Stage 3 resources or GCSE resources most useful, the Key Stage 2 resources can also be appropriate tools in some cases (please note the filter at the top of the page that allows you to avoid the resources pitched at very young students).

Stage	BBC Bitesize Resources
Key Stage 2	Spelling - https://www.bbc.co.uk/bitesize/topics/zt62mnb Prefixes, suffixes - https://www.bbc.co.uk/bitesize/topics/zqqsw6f Punctuation - https://www.bbc.co.uk/bitesize/topics/zvwwxnb Sentences - https://www.bbc.co.uk/bitesize/topics/zwwp8mn
Key Stage 3	Writing skills: https://www.bbc.co.uk/bitesize/topics/z43dwnb Spelling - https://www.bbc.co.uk/bitesize/topics/z43dwnb Punctuation - https://www.bbc.co.uk/bitesize/topics/z6jpn9q Grammar - https://www.bbc.co.uk/bitesize/topics/ztqnsk7
Key Stage 4	Spelling - https://www.bbc.co.uk/bitesize/guides/zs47xsg/revision/1 Punctuation - https://www.bbc.co.uk/bitesize/guides/zc2sv4j/revision/1 Grammar - https://www.bbc.co.uk/bitesize/guides/z2y9dmn/revision/1

Year 8 Mid-Year Assessment

Subject	Mathematics
Year Group	Year 8
Assessment details	Paper 1 – Non-Calculator - 45 marks Mathematical facts. Knowledge and numeracy (fluency) Paper 2 - Calculator – 45 marks Reasoning and problem solving **Equipment needed:** Pen, pencil, ruler, protractor, compass and calculator for Paper 2
Topics covered	• Estimation and rounding • Sequences • Graphical representations of linear relationships • Solving linear equations and inequalities • Multiplicative relationships: percentages and proportionality • Statistical representations • Statistical analysis • Perimeter, area and volume

Revision guidance - Use Sparx independent learning function to revise and highlight the codes as you complete. Ask your teacher which codes to focus on.

Unit 1 - Estimation and rounding:

- Round using significant figures **M131, M994**
- Round to 1 and 2 decimal places **M431**
- Estimating calculations **M878**

Unit 2 - Sequences:

- Special sequences **M981**
- Position to term rules **M991, M866**
- Term to term rules **M381, M241**
- Substitution into position to term rules **M166**

Unit 3 - Graphical representations of linear relationships:

- Orders of operations (BIDMAS) **M521**
- Describe and plot co-ordinates **M618, M230**
- Generate co-ordinates from a rule **M932**
- Calculating midpoints **M622**
- Plotting simple lines **M797**
- Plotting straight line graphs **M932**
- Finding equations of straight-line graphs **M544**
- Y intercepts and gradients **M888**

Unit 4 - Solving linear equations and inequalities:

- Algebraic notation **M813, M830**
- Function machines **M175**
- Solving equations **M707, M634, M401**
- Solving equations with unknown on both sides **M554**
- Solving equations with unknown in the denominator **M387**
- Solving equations with brackets **M902**
- Constructing equations **M957**
- Reading and drawing inequalities **M384**
- Solving inequalities **M118, M732**

Unit 5 - Multiplicative relationships: percentages and proportionality

- Percentages of amounts **M437**
- Percentage change **M476**
- Using equivalent ratios **M801**
- Value for money **M681**
- Proportion problems **M478**

Unit 6 - Statistical representations:

- Construct bar charts and pictograms **M460, M644, M738**
- Construct and interpret pie charts **M574**
- Construct and interpret scatter graphs **M769, M596**

Unit 7 - Statistical analysis:

- Find mean, median, mode and range **M328, M934, M841, M940**
- Compare data sets using averages **M440**

Unit 8 - Perimeter, area and volume:

- Area of 2D Shapes including rectangle, triangles, parallelograms and trapeziums **M390, M610, M996, M291, M705**
- Circumference of a circle **M169**
- Area of a circle **M231**
- Surface are of cubes, cuboids and prisms **M884, M534, M661, M936**
- Volume of prisms **M765, M722, M697**

Year 8 Mid-Year Assessment

Subject	Science
Year Group	Year 8
Assessment details	The assessment consists of 90 multiple choice questions. Each question is worth 1 mark. The assessment covers Biology, Chemistry, Physics and Working Scientifically. • Working Scientifically: 15 marks • Biology: 25 marks • Chemistry: 25 marks • Physics: 25 marks
Topics covered	**Biology** • Gas exchange in humans • Healthy lifestyles • Human digestive system (including the role of enzymes) • Aerobic and anaerobic respiration • Photosynthesis • Movement of water and minerals in plants **Chemistry** • Chemical changes • Types of reactions (decomposition, combustion and oxidation) • Exothermic and endothermic reactions • Catalysts • The periodic table • Alkali metals • Halogens **Physics** • Mass and weight • Balanced and unbalanced forces • Turning effects • Current, potential difference and resistance • Electric circuits (including series and parallel circuits) • Magnets and electromagnets **Working Scientifically** • Variables • Measurement and units • Graphs

Revision guidance

Students should revise the topics in the list above.

We recommend BBC Bitesize (KS3 - England - BBC Bitesize) as a revision resource. This includes summary information, videos and practice questions.

Year 8 Mid-Year Assessment

Subject	Geography
Year Group	Year 8
Assessment details	• 50 multiple-choice questions worth 1 mark each. • Questions to assess contextual world knowledge, geographical understanding and concepts, and geographical enquiry, which is taught across all units, as well as questions focused on units 1-4.
Topics covered	**Contextual world knowledge** (knowing what and where) Including continents, oceans, UK, lines of latitude, distribution of people/resources, location of case studies **Geographical concepts** (knowing how and why) Core concepts of place, space, scale, patterns, processes, systems, interactions, sustainability, values and perspectives. Human and physical geography and how geographers categorise information, e.g. social, economic, environmental, short/long term, local/national/global **Geographical Enquiry** (knowing how to) Knowing the name of and how to interpret different types of maps (including choropleth, Ordnance Survey) and graphs (e.g. climate), models (e.g. Clark-Fisher), grid references, how to interpret a map/graph (trend, evidence, anomaly), how to describe the location of a place (CLOCC), the geographical enquiry process (fieldwork) and atlas Skills. **Unit 1:** Weather and climate **Unit 2:** Globalisation and the global economy **Unit 3:** Rivers and glaciers **Unit 4:** Volcanoes

Revision guidance

What is geography? - BBC Bitesize
Map symbols, direction and contour lines - BBC Bitesize
Measuring distances and grid references - BBC Bitesize
Using graphs - BBC Bitesize
Weather and climate - KS3 Geography - BBC Bitesize
Development and globalisation - KS3 Geography - BBC Bitesize
Regional study - China - KS3 Geography - BBC Bitesize
Rivers - KS3 Geography - BBC Bitesize
Glaciation - KS3 Geography - BBC Bitesize
Hazards - KS3 Geography - BBC Bitesize

Year 8 Mid-Year Assessment

Subject	History
Year Group	Year 8
Assessment details	• 50 multiple-choice questions worth 1 mark each • Questions to assess core vocabulary and definitions, chronology, centuries, contemporary source inferences and interpretations from extracts of historical scholarship.
Topics covered	• The break with Rome • Religious changes during the Reformation • The English Civil War • The transatlantic Slave Trade and its abolition • The Industrial Revolution • Women's suffrage • The British Empire

Revision guidance

The Tudors - KS3 History - BBC Bitesize
The English Civil Wars - KS3 History - BBC Bitesize
When was the Industrial Revolution? - BBC Bitesize
The British Empire - KS3 History - BBC Bitesize
The Transatlantic Slave Trade - KS3 History - BBC Bitesize
The Fight for Female Suffrage - KS3 History - BBC Bitesize

Year 8 End of Year Assessment

Subject	French
Year Group	Year 8
Assessment details	• Part 1: Granular vocabulary and grammar knowledge. Microsoft Forms. 15 mins. 40 marks • Part 2: Holistic reading and listening tasks. Microsoft Forms. 15mins. 30 marks. • Part 3: Writing. Paper based task. 10 marks.
Topics covered	• Talking about celebrations • Comparing today to yesterday • Saying what you do in your free time • Using the past and present tense

Year 8 Mid-Year Assessment

Subject	Spanish
Year Group	Year 8
Assessment details	• Part 1: Granular vocabulary and grammar knowledge. Microsoft Forms. 15 mins. 40 marks • Part 2: Holistic reading and listening tasks. Microsoft Forms. 15mins. 30 marks. • Part 3: Writing. Paper based task. 10 marks.
Topics covered	• Describing events in the present and past • Talking about travel • Talking about daily life at home • Using the past and present tense