

Ivybridge Community College

Key Stage 3 Assessment Topic List Year 7



Respect Aspiration Integrity Compassion

Subject	English
Year Group	Year 7
Assessment details	<ul style="list-style-type: none"> 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	<p>The 'topic' is very broad: writing. Within this, the following knowledge is particularly important:</p> <ul style="list-style-type: none"> 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/zqqs6f 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



Subject	Mathematics
Year Group	Year 7
Assessment details	<p>Paper 1 – Non-Calculator – 45 marks</p> <ul style="list-style-type: none"> Mathematical facts. Knowledge and numeracy (fluency) <p>Paper 2 – Calculator – 45 marks</p> <ul style="list-style-type: none"> Reasoning and problem solving <p>Equipment needed:</p> <p>Pen, pencil, ruler, protractor, compass and calculator for Paper 2</p>
Topics covered	<ul style="list-style-type: none"> Place value and rounding Types of numbers 4 operations and directed number (negatives) Arithmetic with fractions Algebraic manipulation Coordinates and the cartesian plane Perimeter and area Ratio

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 - Place value and rounding:

- Place Value: **M763, M704, M522**
- Order and compare integers, decimals and negatives ($<$, $>$, $=$) **M522, M527**
- Multiply and divide by powers of 10 (10, 100, 1000...) **M113**
- Round to integers, 10's, 100's and 1000's **M111**
- Round to 1 and 2 decimal places **M431**
- Multiplying using place value **M911**

Unit 2 - Types of numbers:

- Multiples and finding the LCM by listing **M227**
- Factors and find the HCF by listing **M823, M698**
- Square numbers, cube numbers, higher powers and their roots **M135**



- Prime Numbers **M322**
- Writing a number as a product of its prime factors **M108**
- Use Prime Factor Decomposition to Find the LCM and HCF of numbers (using a Venn diagram) **M365**

Unit 3 - 4 Operations and Directed Number (Negatives):

- Add and subtract integers and decimals **M928, M429, M347, M152** (including associative law **M409**)
- Multiply integers and decimals **M187, M803** (including commutative law **M952** and distributive law **M637**)
- Divide numbers **M462, M354, M262**
- Orders of operations (BIDMAS) **M521**
- Add and subtract negative numbers **M106**
- Multiply and divide negative numbers **M288**

Unit 4 - Arithmetic with fractions:

- Recognise fractions **M158, M939**
- Simplify fractions **M671**
- Find equivalent fractions **M410**
- Convert between decimals and fractions **M958, M922**
- Order fractions **M335**
- Convert between mixed numbers and improper fractions **M601**
- Add and subtract fractions (including mixed numbers) **M835, M931**
- Multiply fractions by whole numbers and fractions. Multiply mixed numbers **M157, M197**
- Divide fractions with whole numbers and divide mixed numbers **M110, M265**

Unit 5 - Algebraic manipulation

- Algebraic notation and terminology **M813, M830**
- Form algebraic expressions and formulae **M428**
- Substitute into algebraic formulae and expressions **M417, M327, M208, M979**
- Simplify like terms by collecting like terms (including with negatives and powers) **M795, M531, M949,**
- Expand brackets using the distributive law **M237, M792**



Unit 6 - Coordinates and the Cartesian plane

- Describe and plot co-ordinates **M618, M230**
- Generate co-ordinates from a rule **M932**
- Draw vertical and horizontal lines **M797**

Unit 7 - Perimeter and area

- Calculating perimeter of 2D shapes and compound shapes **M920, M635, M690**
- Area of rectangles, triangles and parallelograms **M900, M390, M610, M291**
- Area of a trapezium **M705**
- Area of compound shapes **M690**

Unit 8 - Ratio

- Writing and simplifying a ratio **M885**
- Write ratios as fractions **M267**
- Share into a ratio **M525**
- Find missing parts of ratios **M801**
- Use ratio to describe rates of change **M543, M478, M448**
- Find fractions of amounts **M695, M694**



Subject	Science
Year Group	Year 7
Assessment details	<p>The assessment consists of 90 multiple choice questions. Each question is worth 1 mark.</p> <p>The assessment covers Biology, Chemistry, Physics and Working Scientifically.</p> <ul style="list-style-type: none"> • Working Scientifically: 15 marks • Biology: 25 marks • Chemistry: 25 marks • Physics: 25 marks
Topics covered	<p>Biology</p> <ul style="list-style-type: none"> • Cells (animal cells, plant cells and specialist cells) • Microscopes • Skeletal and muscular system • Variation in species • Human reproduction <p>Chemistry</p> <ul style="list-style-type: none"> • The particle model for solids, liquids and gases • Changing states • Gas pressure • Diffusion • Periodic table • Forming compounds • Chemical equations <p>Physics</p> <ul style="list-style-type: none"> • Energy stores, pathways and conservation of energy • Thermal energy and insulation • Power • Energy resources • Light Waves (including reflection and refraction) • Sound waves and hearing <p>Working scientifically</p> <ul style="list-style-type: none"> • Scientific equipment • Variables

Revision guidance

Pupils should revise the topics in the list above.

We recommend BBC bitesize ([KS3 - England - BBC Bitesize](https://www.bbc.com/bitesize)) as a revision resource. This includes summary information, videos and practice questions.



Subject	Geography
Year group	Year 7
Assessment details	<ul style="list-style-type: none"> • 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	<p>Contextual World knowledge (knowing what and where) including continents, oceans, UK, lines of latitude</p> <p>Geographical Concepts (knowing how and why) Core concepts: 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</p> <p>Geographical Enquiry (knowing how to) including knowing the name of and how to interpret different types of maps (including choropleth, distribution/density, Ordnance Survey) and graphs, grid references, how to interpret a map/graph (trend, evidence, anomaly) and how to describe the location of a place (CLOCC), and atlas skills.</p> <p>Unit 1: Location and characteristics of significant places Unit 2: Population, migration, urbanisation, sustainability Unit 3: Ecosystems and biomes Unit 4: Development</p>

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](#)

[Population and migration - KS3 Geography - BBC Bitesize](#)

[Urbanisation - KS3 Geography - BBC Bitesize](#)

[Global biomes - KS3 Geography - BBC Bitesize](#)

[Development - KS3 Geography - BBC Bitesize](#)



Subject	History
Year Group	Year 7
Assessment details	<ul style="list-style-type: none"> • 50 multiple-choice questions worth 1 mark each • Questions assess core vocabulary and definitions, chronology, centuries, contemporary source inferences and interpretations from extracts of historical scholarship.
Topics covered	<ul style="list-style-type: none"> • The medieval period • The Norman Conquest and its significance • The Battle of Hastings • Changes the Normans made to control England. e.g. Harrying of the North, Feudal system, castles, language, laws, Domesday book, the church.

Revision guidance

[Claimants to the throne - The Norman Conquest \(BBC Bitesize\)](#)

[The Battle of Hastings - Norman Conquest \(BBC Bitesize\)](#)

[What was lifelike in medieval society? \(BBC Bitesize\)](#)

[The Feudal System - William's Control of England \(BBC Bitesize\)](#)

[United Kingdom History and Timeline Overview](#)

Subject	French
Year Group	Year 7
Assessment details	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Describing people and places • Talking about things people have • Saying what people do • Using the present tense

Subject	Spanish
Year Group	Year 7
Assessment details	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Describing places and locations • Talking about things people have • Saying what people do • Using the present tense

