



Year 8 Assessment Point 2 Information

21/01/19—25/01/19

Subject	Assessment Information
Art	This assessment will be based on students' graffiti research sheet and homework.
Spanish	<p>This assessment will be based on the 'school' topic and future tense.</p> <p>There will be two papers assessing listening and reading skills, students will have to listen and understand key information, as well as read and translate from Spanish to English.</p>
Music	<p>This assessment will be based on a paired performance and written evaluation.</p> <p>Students will perform the 'EastEnders' theme tune on the keyboard and then complete a written evaluation of the performance.</p>
History	<p>This assessment will be based on 'Civil Rights'.</p> <p>The assessment will contain an 'explain why' question and an 'inference source question.</p>
Science	<p>This assessment will require students to revise the following topics:</p> <p>Ecosystems and Processes</p> <ul style="list-style-type: none">• photosynthesis and structure of leaves• Respiration: aerobic and anaerobic• food chains and food webs• Ecosystems <p>The Periodic Table</p> <ul style="list-style-type: none">• metals and non-metals• groups and periods• the elements of group 1, 7 and 0 <p>Electricity and Magnetism</p> <ul style="list-style-type: none">• circuits and current• potential difference• series and parallel• Resistance• magnets and magnetic fields• electromagnets• using electromagnets
Geography	<p>This assessment will require students to revise the following:</p> <p>Ecosystems</p> <ul style="list-style-type: none">• Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.•

	<p>Tropical Rainforests</p> <ul style="list-style-type: none"> • Tropical rainforest ecosystems have a range of distinctive characteristics (layers, climate, plants, etc) • Deforestation has economic (money) and environmental impacts. • Tropical rainforests need to be managed to be sustainable. <p>Cold Environments</p> <ul style="list-style-type: none"> • Cold environments (polar and tundra) have a range of distinctive characteristics (climate, plants, animals, ground conditions, etc) • Development of cold environments creates opportunities (good) and challenges (bad). • Cold environments are at risk from economic development.
Food & Nutrition	There will be no formal assessment.
English	<p>The assessment will be a comparison of one of the eight poems studied last half term in a cluster of poetry from other cultures from their anthology, to a second poem of their choice from the same anthology.</p> <p>Students will need to memorise three quotations for each poem and know the context of each poem.</p> <p>Students should use their English books and anthologies to revise their understanding of the similarities and differences between the poems to prepare for this assessment.</p>
Ethics	<p>This assessment will be based on links between Narnia and the last week of Jesus' life.</p> <p>Students should focus particularly on both the crucifixion and resurrection.</p>
Physical Education	<p>This assessment will be a written task; students will demonstrate their knowledge and understanding of learning from their practical lessons.</p> <p>The task has been place on Edulink.</p>
Drama	There will be no formal assessment.
Technology	There will be no formal assessment.
Computing	<p>This assessment will be based on this last term's learning - to understand how data is represented in binary</p> <p>Students should revise the following topics</p> <ul style="list-style-type: none"> • binary to denary conversions • denary to binary • text representation • image representation • binary addition

	<ul style="list-style-type: none"> • hexadecimal numbers <p>Revision materials will be made available through an additional homework, this will be made available through edulink.</p>
Mathematics	<p>Stage 6 – 83X and 83Y</p> <p>Visualising and constructing</p> <ul style="list-style-type: none"> • Measuring and draw angles with a protractor • Tessellate 2D shapes • Name and describe the properties of polygons and circles • Draw nets of 3D shapes <p>Investigating properties of shape</p> <ul style="list-style-type: none"> • Know the definitions of special triangles • Know the definitions of special quadrilaterals • Use the angle sum of a triangle to find missing angles • Use the angle sum of a quadrilateral to find missing angles • Know how to find the angle sum of any polygon <p>Measuring space</p> <ul style="list-style-type: none"> • Convert between metric units; • Solve problems involving converting between measures <p>Calculating space</p> <ul style="list-style-type: none"> • Be able to calculate the area of the following shapes <ul style="list-style-type: none"> ○ Rectangle ○ Triangle ○ Parallelogram • Calculate the volume of a cuboid <p>Exploring fractions, decimals and percentages</p> <ul style="list-style-type: none"> • Understand that two fractions can be equivalent • Simplify a fraction • Compare two fractions by considering diagrams or equivalent fractions • Be able to work out fraction decimal and percentage equivalent
	<p>Stage 7 – 82X and 82Y</p> <p>Visualising and constructing</p> <ul style="list-style-type: none"> • Use notation for parallel and perpendicular lines • Know the meaning of ‘regular’ polygons • Use AB notation for describing lengths and $\angle ABC$ notation for describing angles • Use ruler and protractor to construct triangles from written descriptions • Use ruler and compasses to construct triangles when all three sides known <p>Investigating properties of shapes</p> <ul style="list-style-type: none"> • Know the vocabulary of 3D shapes and meaning of faces, edges and vertices

- Visualise a 3D shape from its net
- Recall the names and shapes of special triangles and quadrilaterals
- Apply the properties of triangles and quadrilaterals to solve problems

Investigating angles

- Identify fluently angles at a point, angles at a point on a line and vertically opposite angles
- Use knowledge of angles to calculate missing angles in geometrical diagrams
- Know that angles in a triangles total 180° and find missing angles in triangles
- Explain reasoning using vocabulary of angles

Measuring space

- Use a protractor to accurately measure angles to the nearest degree
- Convert fluently between metric units of length, mass and capacity
- Convert fluently between units of time and money

Calculating space

- Recognise that the value of the perimeter can equal the value of area
- Know that area of a rectangle = $L \times W$
- Know that area of a triangle = $b \times h \div 2$
- Know that area of a parallelogram = $b \times h$
- Calculate the area of a trapezium is given by the formula area = $\frac{1}{2} \times (a + b) \times h =$
- Understand the meaning of surface area
- Find the surface area of cuboids (including cubes) when lengths are known
- Know that volume of a cuboid = $L \times W \times D$

Exploring fractions, decimals and percentages

- Write one quantity as a fraction of another where the fraction is less or greater than 1
- Write a fraction in its lowest terms by cancelling common factors
- Convert between mixed numbers and top-heavy fractions
- Write a percentage as a fraction
- Write a quantity as a percentage of another

Stage 7 – 8 1X and 8 1Y

Visualising and constructing

- Find the scale factor and centre of enlargement
- Use the centre & scale factor to carry out an enlargement with positive integer (fractional) scale factor
- Know and understand the vocabulary of plans and elevations
- Interpret plans and elevations
- Measure and state a specified bearing
- Use bearings to solve geometrical problems

Investigating angles

- Use knowledge of alternate and corresponding angles to calculate missing angles in geometrical diagrams
- Use fact angles in a triangle total 180° to work out the total in any polygon

- Know how to find the angle sum of any polygon
- Establish the size of an interior angle in a regular polygon
- Know the total of the exterior angles in any polygon
- Establish the size of an exterior angle in a regular polygon

Calculating space

- Know the vocabulary of circles
- Calculate the circumference of a circle when radius (diameter) is given
- Calculate the radius (diameter) of a circle when the circumference is known
- Calculate the perimeter of composite shapes that include sections of a circle
- Calculate the area of a circle when radius (diameter) is given
- Calculate the radius (diameter) of a circle when the area is known
- Calculate the area of composite shapes that include sections of a circle
- Know the formula for finding the volume of a right prism (cylinder)
- Calculate the volume of a right prism (cylinder)
- Know that volume of prism = area of cross-section \times length

Proportional reasoning

- Identify ratio in a real-life context
- Write a ratio to describe a situation
- Identify proportion in a situation
- Find a relevant multiplier in a situation involving proportion
- Use fractions fluently in situations involving ratio or proportion
- Understand the connections between ratios and fractions
- Understand the meaning of a compound unit
- Know the connection between speed, distance and time
- Solve problems involving speed
- Identify when it is necessary to convert quantities in order to use a sensible unit of measure