



Year 7 Maths Intermediate Course Outline

**Students have 8 lessons per fortnight
Homework is set 4 times a fortnight**

Students have 8 lessons per fortnight Homework is set 4 times a fortnight			
	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Autumn first half term	Number Skills	<p>Students should be able to: Use mental and written methods to add, subtract, multiply and divide whole numbers up to double digits; To be able to round to the nearest whole number and to 1 or 2 decimal places; Order positive and negative integers and decimals and locate negative numbers on a numbers line; To know and use the order of operations (BIDMAS) to carry out calculations involving the 4 operations; Identify common factors, multiples and primes; Be able to interpret worded questions and involving the four operations; Use written methods to add, subtract and multiply decimals; To be able to round numbers to 1 or 2 significant figures; To be able to add and subtract negative numbers; To be able to multiply and divide with negative numbers; To know and use the order of operations (BIDMAS) involving brackets and powers; To be able to use factors, multiples and primes and find HCF and LCM of numbers below 30; To be able to answer word problems involving HCF and LCM; To be able to find the prime factor decomposition of a number; To know the first twelve square numbers and their corresponding square roots; To recognise triangular numbers; To know that anything to the power zero is 1; To evaluate indices; To be able to divide a 3 digit whole or decimal number by a 2 digit one; To be able to round decimals and integers to an appropriate degree of accuracy; To be able to answer more complex worded problems involving negative numbers; To know and use order of operations in more complex cases involving brackets, powers, roots and reciprocals; To be able to answer more complex word problems involving HCF and LCM; To be able to find the prime factor decomposition of a number and give your answer as a power; Use prime factor decomposition to find the HCF or LCM of 2 numbers To know the first six cube numbers and their corresponding cube root; To know the index laws for multiplication and division; Use numbers of any size rounded to 1 significant figure to make standardized estimates; Understand the order in which to calculate expressions that contain powers and brackets in both the numerator and denominator of a fraction; To be able to use a Venn diagram and prime factor decomposition to find the LCM and HCF of a large number; To deal with more complex index laws involving brackets and more than one step.</p>	<p>Secure:</p> <ol style="list-style-type: none"> 1. 3 multiplying by 10s 2. Decimal places 3. Adding and subtracting 4. Multiplying and dividing 5. Brackets and powers page 3 6. Numbers below 30 7. Squares and triangle numbers <p>Extended:</p> <ol style="list-style-type: none"> 1. 4 all operations page 7 2. Significant figures page 6 3. Worded problems page 5 4. With roots 5. Prime factor decomp 6. Laws of indices <p>Extended Plus</p> <ol style="list-style-type: none"> 1. 4 dividing decimals 2. Estimating 3. Venn diagram

	Analysing and Displaying Data	<p>Students should be able to: Find the mode, median and range for a set of data; Compare two set of data using mode and median; Construct and interpret line graphs, bar charts and pictograms; Use two way tables for discrete data; Explain the relationship between two variables; Find the mode, median, mean and range for a set of data; Compare two set of data using mode, median, mean and range; Construct a simple frequency table with equal class intervals for continuous data; Construct and interpret pie charts, line graphs, time series, compound and dual (comparative) bar charts; In context interpret two way tables; Use additional information to complete a two way table; Using data to plot a scatter graph; Find the mode, median, mean and range for a frequency distribution including grouped data; Find the modal class of a set of continuous data; Identify which graphs are the most useful in the context of the problem; Using information to construct a two way table; Drawing a line of best fit on a scatter graph and identify outliers; Solving worded problem involving averages and range; Choose the most appropriate average for a set of data; Interpret and/or compare bar graphs and frequency diagrams which are misleading; Use a two way table to answer more complex problems; Using a line of best fit to make a prediction</p>	<p>Secure:</p> <ol style="list-style-type: none"> 1. Averages 2. Pie charts page 31 3. Two way tables page 5 4. drawing <p>Extended:</p> <ol style="list-style-type: none"> 1. Frequency tables 2. completing 3. line of best fit <p>Extended Plus:</p> <ol style="list-style-type: none"> 1. Comparing data page 29 2. Percentages from page 5 3. Drawing and Using page 7
	Nature of Landmark Assessment	A test at the end of each topic.	

A	Topic and	Key Learning Areas	Homework Options
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approximate duration		Students will be guided by the class teacher as to which level to complete (according to target score)
<p>Fractions, decimals and percentages</p>	<p>Students should be able to: Use a diagram to compare simple fractions; Compare fractions with common multiple denominators; Simplify fractions using equivalence; Add and subtract fractions with same and multiple denominators; Multiply two simple fractions; Work with simple equivalent fractions, decimals and percentages; Ordering decimals; All operations on decimals; simple percentages of amounts; Use < and > to compare fractions; Covert mixed numbers into fractions and vice versa; To find a fraction of an amount; Write one number as a fraction of another; Calculate with fractions (addition, subtraction); Multiply fractions by cross multiplying; Work with equivalent fractions, decimals and percentages; Write terminating decimals as a fraction; Find calculator and non-calculator methods to find percentage of amounts; Answer worded problems involving fractions and the four operations; Divide a fraction by a fraction. Multiply fractions by cancelling common factors; Use halving and doubling strategies on fractions to find decimal equivalents of other fractions; Use division to convert a fraction to a decimal; Find the outcome of a percentage increase or decrease.</p>	<p>Secure:</p> <ol style="list-style-type: none"> 1. Writing fractions page 4 2. adding subtracting 3. multiplying fractions 4. Fractions to percent page 10 5. Percent of amounts page 9 <p>Extended:</p> <ol style="list-style-type: none"> 1. Dividing fraction 2. Increase decrease page 11
<p>Expressions, functions & formulae</p>	<p>Students should be able to: Describe and find outputs of simple functions and formulae; Simplify expressions by collecting like terms; Multiply two algebraic terms; Write expressions; Write simple formulae; Substitute into formulae; Multiply a single term over a bracket; Expand brackets and collect like terms; Simplify simple expressions involving powers, but not brackets, by collecting like terms; Factorise a linear expression; Know and understand the meaning of an identity and use the identity sign; Write more complex formulae; Substitute positive and negative integers into linear expression.</p>	<p>Secure:</p> <ol style="list-style-type: none"> 1. Simplify expressions 2. writing formulae page 17 <p>Extended:</p> <ol style="list-style-type: none"> 1. Expand single bracket 2. Substitution page 15
<p>Nature of Landmark Assessment</p>	<p>A test at the end of each topic.</p>	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Spring first half term	Angles, Area & Volume	Students should be able to: Identify and label angles and lines using standard conventions; Identify angle, side and symmetry properties of triangles; Estimate, measure and draw angles; Identify sum of angles in a triangle, angles that meet at a point and angles in a straight line; Calculate the areas of rectangles, triangles and parallelograms; Identify 3D shapes; Draw triangles accurately; Solve problems involving angles: sum of angles in a triangle, angles that meet at a point and angles in a straight line; Use the properties of isosceles and equilateral triangles to solve problems; To know angle facts and involving quadrilaterals and use these to solve problems; To know properties of quadrilaterals; Calculate the area of a trapezium; Calculate the perimeter and area of compound shapes; Calculate the volume of cubes and cuboids; Know the properties of 3D shapes; Identify angles with parallel lines; Use the properties of isosceles and equilateral triangles to solve more complex problems; Solve more complex problems involving quadrilaterals; Find the interior and exterior angles of regular polygons; Work backwards to find the length of a shape given its area; Sketch the net of 3D shapes; Convert between area measures (e.g. cm^2 to m^2) and volume measures (e.g. mm^3 to cm^3); Convert between cm^3 to ml; Know rough metric equivalents of imperial measures (e.g feet, miles, pounds, pints, gallons)	Secure: <ol style="list-style-type: none"> 1. Constructing triangles 2. Angle sums 3. Calculating and drawing areas 4. Compound area 5. Volume of cuboids Extended: <ol style="list-style-type: none"> 1. Constructing rhombuses 2. Angle facts 3. Parallel Lines 4. Area backwards 5. Volume of prisms 6. Nets
	Nature of Landmark assessment	A test at the end of each topic.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Spring second half term	Ratio & Proportion	Students should be able to: Use the unitary method to solve problems involving simple direct proportion; Use ratio notation; Reduce a 2 or 3 part ratio into its simplest form by cancelling; Convert a ratio into a	Secure: <ol style="list-style-type: none"> 1. Simplify Ratio

	<p>Expressions and Equations</p> <p>Probability</p>	<p>fraction and vice versa; Divide a quantity into two parts in a given ratio; Solve word problems involving ratio; Use ratios to convert between metric units; Understand the relationship between ratio and proportion and use fractions to compare proportions; Use percentages to express proportions and compare proportions; Simplify a ratio expressed in fractions or decimals; Divide a quantity into two or more parts in a given ratio; Solve worded problems involving ratio and direct and inverse proportion using the unitary method; Use ratio to convert between metric and imperial units (miles to km, pounds to kg, cm to inches); Solve more complex problems involving the relationship between ratio & proportion</p> <p>Students should be able to: Simplify expressions ; Write expressions; Understand and simplify algebraic powers; Substitute values into formulae involving powers; Write more difficult expressions; To be able to expand and simplify expressions involving brackets; To be able to factorise a linear expression; Solving one step equations; Solve two step equations; To be able to factorise expressions involving powers; Construct and solve one and two step equations and questions involving brackets. Solve problems by constructing and solving equations; Solve equations with unknowns on both sides</p> <p>Students should be able to: Use the language of probability; Use the probability scale between 0 & 1; Calculate the probability of equally likely events; To calculate the probability of an event not happening; Identify mutually exclusive events and; Find the probability of mutually exclusive events; Estimate probability based on experimental data; Calculate more complex probabilities; Calculate and compare probabilities; List all the possible outcomes of an event using sample space diagrams and Venn diagrams; Calculate the relative frequency of an outcome; Use estimated probability to calculate estimated frequencies.</p>	<p>2. Share with ratios Extended: 1. Simplify ratios with fractions 2. Share 3 part ratios 3. Direct Proportion 4. Ratio problems Ratio and Proportion problems</p> <p>Secure: 1. Expand single brackets 2. Factorise expressions 3. Substitution 4. Construct and solve equations Extended: 1. Expand two brackets 2. Factorising Problems 3. Harder Substitution 4. Forming and solving equations</p> <p>Secure: 1. Simple probability 2. Sample Space diagrams 3. Experimental probability Extended: 1. Equally likely events 2. Outcomes & Sample Spaces 3. Relative frequency</p>
	<p>Nature of Landmark assessment</p>	<p>A test at the end of each topic.</p>	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Summer first half term	Sequences and Graphs	Students should be able to: Recognise, describe and continue linear sequences; Generate and plot coordinates from a rule; Generate terms of a sequence using a term to term rule; Find missing terms in a sequence; Find patterns and rules in number sequences; Write and use number sequences to model real life problems; Find the nth term of an arithmetic sequence; Describe and continue special sequences; Recognise, plot and name graphs parallel to the axes; Plot straight line graphs using a table of values; Find any term in a sequence given its nth term; Find any term in a sequence given that the nth term is quadratic; To decide whether a term is in a sequence; Recognise geometric sequences and work out the term to term rule ; Find the midpoint of a line segment; Plot straight line graphs with and without a table of values.	Secure: <ol style="list-style-type: none"> 1. Generate a sequence 2. Find nth term 3. Pattern sequences 4. Table of values 5. midpoints Extended: <ol style="list-style-type: none"> 1. Function machines 2. Nth term sequences 3. More table of values 4. More table of values 5. midpoints
	Revision	Revision for end of year examination comprising of practice papers and listening tests.	4 past papers
	Nature of Landmark assessment	A test at the end of each topic. End of year examination comprising of 3 tests.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target Score)
Summer second half term	Construction & Loci	Students should be able to: Draw triangles (ASA & SAS) accurately using a protractor and a ruler; Draw diagrams to scale; To be able to construct the Angle bisector and Perpendicular bisector; Draw SSS triangles using a straight edge and compass; Draw accurate nets of 3D solids To be able to construct Perpendicular from a point on a line and; Perpendicular from a point to a line; Construct Loci based on worded problems.	Secure: 1. Constructing triangles 2. Bisecting angles and lines 3. Scale drawings Extended: 1. Constructing triangles 2. Perpendicular from a point 3. Loci 4. Scale drawings
	Transformations	Students should be able to: Recognise line and rotational symmetry; Describe and carry out translations; Describe and carry out reflections; Describe and carry out translations using vector notation; Describe and carry out rotation; Recognise congruent shapes; Enlarge shapes given a scale factor; Transform 2D shapes by a combination of transformations; Enlarge a shape given a positive integer scale factor and a centre of enlargement	Secure: 1. rotation 2. all 3 transformations 3. enlargement Extended: 1. All 3 transformations 2. reflection 3. Enlargement given centre 4. Combined transformation
	Nature of Landmark assessment	A test at the end of each topic.	



Year 7 Maths Higher Course Outline

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Students have 8 lessons per fortnight Homework is set 4 times a fortnight			
	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Autumn first half term	Number Skills	Students should be able to: Use mental and written methods to add, subtract, multiply and divide whole numbers up to double digits; To be able to round to the nearest whole number and to 1 or 2 decimal places; Order positive and negative integers and decimals and locate negative numbers on a numbers line; To know and use the order of operations (BIDMAS) to carry out calculations involving the 4 operations; Identify common factors, multiples and primes; Be able to interpret worded questions and involving the four operations; Use written methods to add, subtract and multiply decimals; To be able to round numbers to 1 or 2 significant figures; To be able to add and subtract negative numbers; To be able to multiply and divide with negative numbers; To know and use the order of operations (BIDMAS) involving brackets and powers; To be able to use factors, multiples and primes and find HCF and LCM of numbers below 30; To be able to answer word problems involving HCF and LCM; To be able to find the prime factor decomposition of a number; To know the first twelve square numbers and their corresponding square roots; To recognise triangular numbers; To know that anything to the power zero is 1; To evaluate indices; To be able to divide a 3 digit whole or decimal number by a 2 digit one; To be able to round decimals and integers to an appropriate degree of accuracy; To be able to answer more complex worded problems involving negative numbers; To know and use order of operations in more complex cases involving brackets, powers, roots and reciprocals; To be able to answer more complex word problems involving HCF and LCM; To be able to find the prime factor decomposition of a number and give your answer as a power; Use prime factor decomposition to find the HCF or LCM of 2 numbers To know the first six cube numbers and their corresponding cube root; To know the index laws for multiplication and division; Use numbers of any size rounded to 1 significant figure to make standardized estimates; Understand the order in which to calculate expressions that contain powers and brackets in both the numerator and denominator of a fraction; To be able to use a Venn diagram and prime factor decomposition to find the LCM and HCF of a large number; To deal with more complex index laws involving brackets and more than one step.	Secure: 8. 3 multiplying by 10s 9. Decimal places 10. Adding and subtracting 11. Multiplying and dividing 12. Brackets and powers page 3 13. Numbers below 30 14. Squares and triangle numbers Extended: 7. 4 all operations page 7 8. Significant figures page 6 9. Worded problems page 5 10. With roots 11. Prime factor decomp 12. Laws of indices Extended Plus 4. 4 dividing decimals 5. Estimating 6. Venn diagram

<p>Analysing and Displaying Data</p>	<p>Students should be able to: Find the mode, median and range for a set of data; Compare two set of data using mode and median; Construct and interpret line graphs, bar charts and pictograms; Use two way tables for discrete data; Explain the relationship between two variables; Find the mode, median, mean and range for a set of data; Compare two set of data using mode, median, mean and range; Construct a simple frequency table with equal class intervals for continuous data; Construct and interpret pie charts, line graphs, time series, compound and dual (comparative) bar charts; In context interpret two way tables; Use additional information to complete a two way table; Using data to plot a scatter graph; Find the mode, median, mean and range for a frequency distribution including grouped data; Find the modal class of a set of continuous data; Identify which graphs are the most useful in the context of the problem; Using information to construct a two way table; Drawing a line of best fit on a scatter graph and identify outliers; Solving worded problem involving averages and range; Choose the most appropriate average for a set of data; Interpret and/or compare bar graphs and frequency diagrams which are misleading; Use a two way table to answer more complex problems; Using a line of best fit to make a prediction</p>	<p>Secure:</p> <ol style="list-style-type: none"> 5. Averages 6. Pie charts page 31 7. Two way tables page 5 8. drawing <p>Extended:</p> <ol style="list-style-type: none"> 4. Frequency tables 5. completing 6. line of best fit <p>Extended Plus:</p> <ol style="list-style-type: none"> 4. Comparing data page 29 5. Percentages from page 5 6. Drawing and Using page 7
<p>Nature of Landmark Assessment</p>	<p>A test at the end of each topic.</p>	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Autumn second half term	Fractions, decimals and percentages	Students should be able to: Use < and > to compare fractions; covert mixed numbers into fractions and vice versa; to find a fraction of an amount; write one number as a fraction of another; calculate with fractions (addition, subtraction); multiply fractions by cross multiplying; work with equivalent fractions, decimals and percentages; write terminating decimals as a fraction; find calculator and non-calculator methods to find percentage of amounts ; answer worded problems involving fractions and the four operations; divide a fraction by a fraction; multiply fractions by cancelling common factors; use halving and doubling strategies on fractions to find decimal equivalents of other fractions; use division to convert a fraction to a decimal; find the outcome of a percentage increase or decrease; carry out all operations on mixed numbers; converting recurring decimals to a fraction.	Extended: 3. Dividing fraction 4. Increase decrease page 11 Extended Plus: 1. Multiplying mixed numbers 2. Dividing mixed numbers 3. Recurring decimal
	Expressions, functions & formulae	Students should be able to: Simplify expressions by collecting like terms; multiply two algebraic terms; write expressions; write simple formulae; substitute into formulae; multiply a single term over a bracket; expand brackets and collect like terms; simplify simple expressions involving powers, but not brackets, by collecting like terms; factorise a linear expression; know and understand the meaning of an identity and use the identity sign; write more complex formulae; substitute positive and negative integers into linear expression; apply the index laws for multiplication and division of small integer powers; simplify expressions involving brackets and powers; factorise expressions involving powers; substitute positive and negative integers into linear expressions and expressions involving powers	Extended: 3. Expand single bracket 4. Substitution page 15 Extended Plus 1. Indices 2. substitution powers
	Nature of Landmark Assessment	A test at the end of each topic.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Spring first half term	Angles, Area & Volume	Students should be able to: Draw triangles accurately; solve problems involving angles: sum of angles in a triangle, angles that meet at a point and angles in a straight line; use the properties of isosceles and equilateral triangles to solve problems; to know angle facts and involving quadrilaterals and use these to solve problems; to know properties of quadrilaterals; calculate the area of a trapezium; calculate the perimeter and area of compound shapes; calculate the volume of cubes and cuboids; know the properties of 3D shapes; identify angles with parallel lines; use the properties of isosceles and equilateral triangles to solve more complex problems; solve more complex problems involving quadrilaterals; find the interior and exterior angles of regular polygons; work backwards to find the length of a shape given its area; sketch the net of 3D shapes; convert between area measures and volume; know rough metric equivalents of imperial measures; understand a proof that the sum of the angles of a triangle is 180 degrees; understand a proof that the exterior angle of a triangle is equal to the sum of the two interior opposite angles; find the number of sides a polygon has based on angle facts; calculate the surface area of cubes and cuboids.	Extended: 7. Constructing rhombuses 8. Angle facts 9. Parallel Lines 10. Area backwards 11. Volume of prisms 12. Nets Extended Plus: 1. Impossible triangles 2. Angles in Polygons 3. Nets and surface area
	Nature of Landmark assessment	A test at the end of each topic.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Spring second half term	Ratio & Proportion	Students should be able to: Use ratio notation; reduce a 2 or 3 part ratio into its simplest form by cancelling; convert a ratio into a fraction and vice versa; divide a quantity into two parts in a given ratio; solve word problems involving ratio; use ratios to convert between metric units; understand the relationship between ratio and proportion and use fractions to compare proportions; use percentages to express proportions and compare proportions; simplify a ratio expressed in fractions or decimals; divide a quantity into two or more parts in a given ratio; solve worded problems involving ratio and direct and inverse proportion using the unitary method; use ratio to convert between metric and imperial units; solve more complex problems involving the relationship between ratio & proportion; use the unitary method to write ratios in the form 1 : n; solve best buy problems	Extended: 5. Simplify ratios with fractions 6. Share 3 part ratios 7. Direct Proportion 8. Ratio problems 9. Ratio and Proportion problems Extended Plus 1. Ratios n:1 & 1:n
	Expressions and Equations	Students should be able to: Understand and simplify algebraic powers; substitute values into formulae involving powers; write more difficult expressions; to be able to expand and simplify expressions involving brackets; to be able to factorise a linear expression; solving one step equations; solve two step equations; to be able to factorise expressions involving powers; construct and solve one and two step equations and questions involving brackets; solve problems by constructing and solving equations; solve equations with unknowns on both sides; use trial and improvement to solve equations to 1 decimal place	Extended: 5. Expand two brackets 6. Factorising Problems 7. Harder Substitution 8. Forming and solving equations Extended Plus: 1. Trial & Improvement
	Probability	Students should be able to: Calculate the probability of equally likely events; to calculate the probability of an event not happening; identify mutually exclusive events and; find the probability of mutually exclusive events; estimate probability based on experimental data; calculate more complex probabilities; calculate and compare probabilities; list all the possible outcomes of an event using sample space diagrams and venn diagrams; calculate the relative frequency of an outcome; use estimated probability to calculate estimated frequencies; decide if a game is fair; use tree diagrams to find the probabilities of 2 or more events	Extended: 4. Equally likely events 5. Outcomes & Sample Spaces 6. Relative frequency Extended Plus 1. Tree diagrams
	Nature of Landmark assessment	A test at the end of each topic.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target score)
Summer first half term	Sequences and Graphs	Students should be able to: Generate terms of a sequence using a term to term rule; find missing terms in a sequence; find patterns and rules in number sequences; write and use number sequences to model real life problems; find the n th term of an arithmetic sequence; describe and continue special sequences; recognise, plot and name graphs parallel to the axes; plot straight line graphs using a table of values; find any term in a sequence given its n th term; find any term in a sequence given that the n th term is quadratic; to decide whether a term is in a sequence; recognise geometric sequences and work out the term to term rule; find the midpoint of a line segment; plot straight line graphs with and without a table of values; write the n th term of a geometric sequence.	Extended: 6. Function machines 7. n th term sequences 8. More table of values 9. More table of values 10. Midpoints Extended Plus: 1. Quadratic sequences 2. Straight line graphs
	Revision	Revision for end of year examination comprising of practice papers and tests.	4 past papers
	Nature of Landmark assessment	A test at the end of each topic. End of year examination comprising of 3 tests.	

	Topic and approximate duration	Key Learning Areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target Score)
Summer second half term	Construction & Loci	Students should be able to: Draw triangles (ASA & SAS) accurately using a protractor and a ruler; draw diagrams to scale; to be able to construct angle bisector and perpendicular bisector; draw SSS triangles using a straight edge and compass; draw accurate nets of 3D solids; to be able to construct perpendicular from a point on a line and perpendicular from a point to a line; construct Loci based on worded problems; be able to use constructions to create 30o, 45o and 60o angles; use loci to shade regions and solve problems.	Extended: 5. Constructing triangles 6. Perpendicular from a point 7. Loci 8. Scale drawings Extended Plus: 1. More Loci
	Transformations	Students should be able to: Describe and carry out reflections; describe and carry out translations using vector notation; describe and carry out rotation; recognise congruent shapes; enlarge shapes given a scale factor; transform 2D shapes by a combination of transformations; enlarge a shape given a positive integer scale factor and a centre of enlargement; enlarge a shape given a centre negative or fractional centre of enlargement	Extended: 5. All 3 transformations 6. reflection 7. Enlargement given centre 8. Combined transformation Extended Plus 1. Enlargement negative 2. Enlargement fractional 3. Combine transformations
	Nature of Landmark assessment	A test at the end of each topic.	