

## Early Secondary – Comparing Lessons pre and post Feb 1 2011

### Removed lessons

Some lessons can now be found in the Upper Primary course, or in a remodelled Early Secondary lesson. Information about the content for these lessons is provided below. Remodelled lessons are in **dark orange**.

### Lesson names

There have been some changes to lesson names. They are highlighted in **light orange** below.

### Student results

Owing to changes in some lesson content, past student results may no longer be available since the results no longer reflect student understanding of the new material contained within a remodelled lesson.

### The topic order

The topic sequence shown below is from 2010. The 2011 sequence now shows the topics sorted into major strands: Number, Patterns and Algebra, Measurement, Geometry, Chance, Data.

Topic name	Lesson name prior to Feb 1 2011	New lesson name as of Feb 1 2011	Information about removed lessons
<b>Whole numbers</b>	Ancient number systems	Egyptian & Mayan numerals	
	Roman & Greek numerals		
	Index notation		
	Place value & expanded notation	Place value & bases	
	Estimation & rounding off	Rounding & estimating	
	Adding whole numbers		
	Subtracting whole numbers		
	Multiplying whole numbers		
	Dividing whole numbers		
	Long division methods		
	Grouping symbols		This lesson has been removed. The content of this lesson is now found in "Order of operations & indices" in this topic.
	Order of operations	Order of operations & indices	

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<b>Number Theory</b> <b>Now: Exploring numbers</b>	<del>Simple number patterns</del>		This lesson has been removed. Content now found in "Number patterns" in this topic
	Further Patterns in numbers	Number patterns	
	Factors & multiples		
	Highest common factor (HCF)		
	Lowest common multiple (LCM)		
	Divisibility tests		
	Prime & composite numbers		
	Factor trees		
	HCF & LCM for large numbers		
	Square roots		
	Cube roots		
<b>Fractions</b>	What is a fraction?		
	<del>Mixed numerals &amp; improper fractions</del>	Improper versus mixed	
	Equivalent fractions		
	Comparing & ordering fractions		
	This as a fraction of that		
	Adding & subtracting fractions		
	Adding & subtracting mixed numerals		
	Multiplying fractions		
	Multiplying mixed numerals		
	Dividing by simple fractions		
	<del>Dividing by harder fractions</del>	Divisions involving fractions	
	<del>Finding the whole amount</del>	From a fraction to the whole	

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<b>Decimals</b>	What is the point?		
	Changing decimals to fractions		
	Changing fractions to decimals		
	Ordering decimals		
	Adding decimals	Adding & subtracting decimals	
	<del>Subtracting decimals</del>		This lesson has been removed. The content of this lesson is now found in "Adding & subtracting decimals" in this topic.
	<del>Multiplying &amp; dividing by powers of 10</del>		This lesson has been removed. The content of this lesson is now found in "Multiplying decimals" and in "Dividing decimals" in this topic.  Students can also visit: Upper Primary Topic: Decimals & percentages Lesson: Mult & div decimal by 10, 100, 1000
	Multiplying decimals	Multiplying & squaring decimals	
	<del>Decimals of a quantity</del>		This lesson has been removed. The content of this lesson is now found in "Multiplying decimals" and in "Multiplying decimals" in this topic.
	<del>Dividing decimals by whole numbers</del>		This lesson has been removed. The content of this lesson is now found in "Dividing decimals" in this topic.
	Dividing by a decimal	Strategies for decimal divisions	
	Rounding decimals		
	Recurring decimals	Introducing recurring decimals	
Money			

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<b>Percentages</b>	What is a Percentage?		This lesson has been removed. The content of this lesson is now found in "Percentage as fractions" in this topic.  Students can also visit: Upper Primary Topic: Decimals & percentages Lesson: Exploring percentages
	One whole is 100%		This lesson has been removed. The content of this lesson is now found in "Percentage as fractions" in this topic.  Students can also visit: Upper Primary Topic: Decimals & percentages Lesson: Exploring percentages
	Percentages as fractions		
	Changing fractions to percentages	Writing fractions as percentages	
	Changing percentages to decimals	Linking percentages & decimals	
	Changing decimals to percentages		This lesson has been removed. The content of this lesson is now found in "Percentage as fractions" in this topic.
	Percentage/fraction/decimal connection	Fractions/decimals/percentages	
<b>Integers</b>	What are directed numbers?		
	Adding & subtracting integers	Add & subtract positive integers	
	Two signs together		
	Multiplying integers		
	Dividing integers		
	Mixing the operations		

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<b>Algebra</b> <b>Now: Introducing algebra</b>	What is algebra?		
	Algebra pictures		
	Words into algebra		
	Substitution		
	Picture patterns & pronumerals		
	<del>Recognising patterns</del>		This lesson has been removed. The content of this lesson is now found in "Number patterns & pronumerals" in this topic.
	Number patterns & pronumerals		
	Patterns on the number grid		
	Adding & subtracting terms		
	Multiplying & dividing terms		
	Equivalent expressions		
<b>Length, perimeter &amp; area</b>	Units of Length	Length	
	<del>Measuring Length</del>		This lesson has been removed. The content of this lesson is now found in "Length" in this topic. Students can also visit: Upper Primary Topic: Length Lesson: Measuring & recording lengths
	Perimeter	Perimeter problems	
	Areas of rectangles & squares	Formula for area of a rectangle	
	Areas of triangles	Formula for area of a triangle	
	Areas of parallelograms		
	Converting area units & estimating		

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<b>Measuring solids</b> <b>Now:</b> <b>Volume &amp; surface area</b>	Volume		This lesson has been removed. The content of this lesson is now found in "Volume, capacity & prisms" in this topic.  Students can also visit: Upper Primary Topic: Volume & capacity Lesson: Measuring volume
	Volume of rectangular prisms	Volume, capacity & prisms	
	Volume of other prisms	Volume of any prism	
	Surface area	Surface area of prisms	
	Capacity		This lesson has been removed. The content of this lesson is now found in "Volume, capacity & prisms" in this topic.  Students can also visit: Upper Primary Topic: Volume & capacity Lesson: Measuring capacity
	Mass		This lesson has been removed.  Students can visit: Upper Primary Topic: Mass

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<b>Time</b>	Time measurements	Units of time	
	Time of day		<p>This lesson has been removed.            The content of this lesson is now found in “Units of time” in this topic.</p> <p>Students can also visit:            Upper Primary            Topic: Time            Lesson: Clock times</p>
	Calculating hours, minutes and seconds	Time calculations	
	Time on a calculator		<p>This lesson has been removed.            The content of this lesson is now found in “Time calculations” in this topic.</p>
	Timetables and charts		<p>This lesson has been removed.</p> <p>Students can visit:            Upper Primary            Topic: Time            Lesson: Timetables</p>
	Time zones		

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<b>2D Shapes</b> <b>Now:</b> <b>Plane shapes &amp; triangles</b>	Plane Shapes		
	Classifying triangles		
	Angle sum of a triangle		
	Exterior angles of triangles		
	Classifying quadrilaterals		This lesson has been removed. The content of this lesson is now found in: Topic: Exploring quadrilaterals Lessons: Angle sum of a quadrilateral.
	Angle sum of a quadrilateral	Lesson has been move to: Topic: Exploring quadrilaterals	
	Line of symmetry		This lesson has been removed. The content of this lesson is now found in: Topic: Transformations & symmetry Lessons: Reflection & symmetry
	Rotational symmetry		This lesson has been removed. The content of this lesson is now found in: Topic: Transformations & symmetry Lessons: Rotation & symmetry
	Translation	Lesson has been move to: Topic: Transformation & symmetry Lesson: Translation	
	Reflection	Lesson has been move to: Topic: Transformation & symmetry Lesson: Reflection & symmetry	
	Rotation	Lesson has been move to: Topic: Transformation & symmetry Lesson: Rotation & symmetry	

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<b>Angles</b>	Points, lines & intervals	Points, lines & angles	
	How to name an angle		This lesson has been removed. The content of this lesson is now found in "Points, lines & angles" in this topic.
	How to measure an angle		This lesson has been removed.  Students can visit: Upper Primary Topic: Angles & 2D shapes Lesson: Measuring & drawing angles
	Types of angles		This lesson has been removed. The content of this lesson is now found in "Points, lines & angles" in this topic.  Students can also visit: Upper Primary Topic: Angles & 2D shapes Lesson: The language of angles
	Angle theorems	Some angle relationships	
	Angles in parallel lines		
	Bisecting angles & intervals	Lesson has been move to: Topic: Constructions in geometry	

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<b>3D Shapes</b>	Faces, edges & vertices		
	Classifying solids		
	Nets of solids		This lesson has been removed.  Students can visit: Upper Primary Topic: 3D shapes Lesson: Nets
	Drawing solids	3D drawings & projections	
	Views of solids		This lesson has been removed.  Students can visit: Upper Primary Topic: 3D shapes Lesson: Different views
<b>Chance</b>	The language of chance		
	Listing possible outcomes		
	Probabilities	Theoretical probability	
<b>Pythagoras' theorem</b>	What is Pythagoras' theorem?		
	Length of the hypotenuse		
	Length of any side		
	Pythagoras, perimeter & area		

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<b>Representing data</b>	Sector graphs	Using sector graphs	
	Divided bar graphs	Creating divided bar graphs	
	Scatter diagrams		
	Line, conversion & step graphs		
	Travel graphs		
	Organising data into tables	Frequency Tables	
	Histograms & polygons		
	Grouping data		
	Dot plots		
	Stem-and-leaf plots		
	Spreadsheets & graphs		
<b>Applying percentages</b>	Percentage of a quantity		
	One amount as a percentage of another		
	Increasing and decreasing using percentages	Percentage increase & decrease	
	Profit & loss		
	Finding the whole amount		
<b>Equations &amp; inequalities</b>	Working backwards		
	Keeping the balance		
	Guess, check & improve		
	A formal approach		
	Equations to solve problems		
	Equations & formulas		
	Inequalities	Introducing inequalities	

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<b>Manipulating algebra</b>	Reading algebra	Linking algebra & number rules	
	Formulas in spreadsheets	(Now the last lesson in the topic.)	
	Removing grouping symbols		
	Factorising	Introducing factorising	
	Algebraic fractions		
<b>Circles &amp; cylinders</b>	Pi & the circumference		
	Area of a circle		
	Volume of a cylinder		
<b>The number plane</b>	Plotting positive integers	The first quadrant	
	Extending the number plane	All four quadrants	
	Maps and plans		This lesson has been removed. Students can visit: Upper Primary Topic: Maps, plans & direction
	Graphs from equations		
	Equations from lines		
	Comparing lines & equations		
	Intersecting lines		
<b>Analysing data</b>	The mean	Exploring the mean	
	The mode, median & range		
	Analysing dot plots		
	Analysing stem-and-leaf plots		
	Analysing tables		

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<b>Congruent &amp; similar shapes</b>	Congruent shapes		
	Which shapes are similar?		
	Scale factor	Scales factors for similar figures	
	Drawing similar figures		This lesson has been removed. The content of this lesson is now found in "Scale factor" in this topic.  Students can also visit: Upper Primary Topic: Maps, plans & direction Lesson: Using scale
	Scale drawings	Lesson has been move to: Topic: Ratios & rates Lesson: Scales expressed as ratios	
<b>Ratios &amp; rates</b>	What is a ratio?		
	Using ratios		
	Rates	Introducing rates	
<b>Exploring geometry Now: Exploring quadrilaterals</b>	Exploring trapeziums & kites		
	Exploring parallelograms & rectangles		
	Exploring rhombuses & squares		
	Constructing lines & angles	Lesson has been move to: Topic: Constructions in geometry	

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<b>Set theory</b> <b>Now: Sets</b>	Introducing sets		
	Set relationships & Venn diagrams	Comparing sets	
	Using Venn diagrams		