

### S3 CfE Course A : August - October

Topic	Content	CfE	Website Revision
<b>Simultaneous Equations</b>	Solve graphically Solve by substitution Solve by elimination Mixture of substitution & elimination In context	MTH 4-15a + extension	<a href="http://studymaths.co.uk/topics/linearSimultaneousEquations.php">http://studymaths.co.uk/topics/linearSimultaneousEquations.php</a> <a href="https://www.bbc.co.uk/education/guides/z8qdb82/revision">https://www.bbc.co.uk/education/guides/z8qdb82/revision</a>
<b>Formulae</b>	Evaluating Constructing formulae. Change of subject  Describe effect on subject of a change in variables.	MTH 3-15b  Extension  Extension	<a href="https://www.bbc.co.uk/education/guides/zx2n7p3/revision">https://www.bbc.co.uk/education/guides/zx2n7p3/revision</a>
<b>Money Matters</b>	Money terms Foreign exchange (in context with time differences) Compound interest, Appreciation and Depreciation Reverse percentage.	MNU 4-09b Extension	<a href="https://www.bbc.co.uk/education/guides/zdq39j6/revision/1">https://www.bbc.co.uk/education/guides/zdq39j6/revision/1</a> <a href="https://www.bbc.co.uk/education/guides/zj2g87h/revision">https://www.bbc.co.uk/education/guides/zj2g87h/revision</a> <a href="https://www.bbc.co.uk/education/guides/z37pqhv/revision">https://www.bbc.co.uk/education/guides/z37pqhv/revision</a> <a href="https://www.bbc.co.uk/education/guides/z8tv6yc/revision">https://www.bbc.co.uk/education/guides/z8tv6yc/revision</a>
<b>Inequalities</b>	Meaning of symbols Solving inequalities.	MTH 4-15a	<a href="https://www.mathsisfun.com/algebra/inequality-solving.html">https://www.mathsisfun.com/algebra/inequality-solving.html</a> <a href="https://www.bbc.co.uk/education/guides/zwqdb82/revision">https://www.bbc.co.uk/education/guides/zwqdb82/revision</a>
<b>Polygons</b>	Angles in Polygons		<a href="https://www.bbc.co.uk/education/guides/z3y9y4j/revision">https://www.bbc.co.uk/education/guides/z3y9y4j/revision</a>
<b>Algebra</b>	Factorising trinomials Factorising mixture Completing the square	MTH 4-14b Extension  Extension	<a href="http://studymaths.co.uk/topics/factorisingQuadraticExpressions.php">http://studymaths.co.uk/topics/factorisingQuadraticExpressions.php</a> <a href="http://studymaths.co.uk/topics/completingTheSquare.php">http://studymaths.co.uk/topics/completingTheSquare.php</a> <a href="https://www.bbc.co.uk/education/guides/zmvr2p/revision">https://www.bbc.co.uk/education/guides/zmvr2p/revision</a>

<b>S3 CfE Course A : October - December</b>			
<b>Topic</b>	<b>Content</b>	<b>CfE</b>	<b>Website Revision</b>
<b>Statistics</b>	Standard Deviation Interquartile Range	N5 Numeracy N5	<a href="#">Mindmap</a> <a href="https://www.bbc.co.uk/bitesize/guides/zgdf82/revision/2">https://www.bbc.co.uk/bitesize/guides/zgdf82/revision/2</a>
<b>Extracting and interpreting data</b>	Extracting and interpreting information from a variety of graphs and charts Interpreting Stem & Leaf diagrams	N5 Numeracy	<a href="#">Types of diagram - Statistical diagrams - National 4 Application of Maths Revision - BBC Bitesize</a> <a href="#">Interpreting pie charts and frequency diagrams - Statistical diagrams - National 5 Application of Maths Revision - BBC Bitesize</a>
<b>Ratio</b>	Using ratio and sharing given the ratio	N5 Numeracy	<a href="#">Equivalent ratios and simplest form - Ratio and proportion - KS3 Maths Revision - BBC Bitesize</a>
<b>Fractions</b>	Adding and subtracting fractions in context	N5 Numeracy	<a href="#">Adding and subtracting fractions - Working with fractions - National 5 Maths Revision - BBC Bitesize</a>
<b>Revision for Numeracy Assessment - Homework booklet issued</b>			
<b>November Assessment: N5 Numeracy</b>			
<b>Straight Line</b>	Gradient of a slope. $Y=mx+c$ is the equation of a straight line with gradient $m$ and $y$ -intercept $c$ Draw a best-fitting line by eye and use it to estimate one of the variables. Determine the equation of the line. $y - b = m(x - a)$	MTH 4-13b MTH 4-13c MTH 4-13d MTH 4-13a Extension	<a href="https://www.bbc.co.uk/education/guides/z8383k7/revision">https://www.bbc.co.uk/education/guides/z8383k7/revision</a> <a href="https://www.mathsisfun.com/equation_of_line.html">https://www.mathsisfun.com/equation_of_line.html</a> <a href="https://www.bbc.co.uk/education/guides/zq7s2nb/revision">https://www.bbc.co.uk/education/guides/zq7s2nb/revision</a> <a href="https://www.bbc.co.uk/education/guides/z24qcj6/revision">https://www.bbc.co.uk/education/guides/z24qcj6/revision</a>

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<b>Similarity</b> Not assessed in session 21/22	Area of similar shapes Surface area and volume of similar solids.	MTH 4-17b extension	<a href="https://corbettmaths.com/2016/08/07/similar-shapes-area-volume/">https://corbettmaths.com/2016/08/07/similar-shapes-area-volume/</a> <a href="https://www.bbc.co.uk/education/guides/zxmfmsg/revision">https://www.bbc.co.uk/education/guides/zxmfmsg/revision</a>
<b>Vectors</b> Not assessed in session 21/22	Adding or subtracting two-dimensional vectors using directed line segments Determining coordinates of a point from a diagram representing a 3D object Adding or subtracting two- or three-dimensional vectors using components Magnitude of a vector	Extension	<a href="http://www.mathsisfun.com/algebra/vectors.html">http://www.mathsisfun.com/algebra/vectors.html</a> <a href="https://www.bbc.co.uk/education/guides/z3rqcj6/revision">https://www.bbc.co.uk/education/guides/z3rqcj6/revision</a> <a href="https://www.bbc.co.uk/education/guides/zgkx8mn/revision">https://www.bbc.co.uk/education/guides/zgkx8mn/revision</a> <a href="https://www.bbc.co.uk/education/guides/zwncsrd/revision">https://www.bbc.co.uk/education/guides/zwncsrd/revision</a> <a href="https://www.bbc.co.uk/education/guides/zqykv9q/revision">https://www.bbc.co.uk/education/guides/zqykv9q/revision</a>

### S3 CfE Course A : January - March

Topic	Content	CfE	Website Revision
<b>Functions &amp; Quadratic Graphs</b>	Notation Sketching quadratics - turning points, line of symmetry. Link with Completing the Square	N5	<a href="https://www.youtube.com/watch?v=1WzhwY93yGI">https://www.youtube.com/watch?v=1WzhwY93yGI</a> <a href="https://www.bbc.co.uk/education/guides/zq2fmsg/revision">https://www.bbc.co.uk/education/guides/zq2fmsg/revision</a> <a href="https://www.bbc.co.uk/education/guides/zxqpqhv/revision/1">https://www.bbc.co.uk/education/guides/zxqpqhv/revision/1</a>
<b>Circle 2</b>	Angles in a circle.  Angle in a semi-circle Tangent and radius Radius/diameter as perpendicular bisector of a chord. Length of arc and Area of sector.	N5	<a href="https://www.bbc.co.uk/education/guides/zhdfr82/revision">https://www.bbc.co.uk/education/guides/zhdfr82/revision</a>  <a href="https://www.bbc.co.uk/education/guides/z3y9y4j/revision">https://www.bbc.co.uk/education/guides/z3y9y4j/revision</a>  <a href="https://www.bbc.co.uk/education/guides/zwcqcj6/revision">https://www.bbc.co.uk/education/guides/zwcqcj6/revision</a>
<b>Algebraic Fractions</b>	Reducing algebraic fractions to simplest form. Applying the four rules to algebraic fractions.	N5	<a href="https://www.bbc.co.uk/education/guides/zww9y4j/revision">https://www.bbc.co.uk/education/guides/zww9y4j/revision</a> <a href="https://www.bbc.co.uk/education/guides/zqtv6yc/revision">https://www.bbc.co.uk/education/guides/zqtv6yc/revision</a>
<b>Trig</b>	2D and 3D calculations. Draw and recognise trig graphs. Trig equations.	N5	<a href="https://www.bbc.co.uk/education/guides/zwbwgd/revision/1">https://www.bbc.co.uk/education/guides/zwbwgd/revision/1</a> <a href="https://www.bbc.co.uk/education/guides/zyxv6yc/revision/1">https://www.bbc.co.uk/education/guides/zyxv6yc/revision/1</a>
<b>Quadratics</b>	Solve using graphs. Solve using factors. Standard form of a quadratic. Solve using the quadratic formula. Discriminant Link with $(x+a)^2 + b$	N5	<a href="https://www.bbc.co.uk/education/guides/zwmyxfr/revision">https://www.bbc.co.uk/education/guides/zwmyxfr/revision</a>  <a href="https://www.bbc.co.uk/education/guides/zctbh39/revision">https://www.bbc.co.uk/education/guides/zctbh39/revision</a> <a href="https://www.bbc.co.uk/education/guides/zcwhjty/revision">https://www.bbc.co.uk/education/guides/zcwhjty/revision</a>

**S3 CfE Course A : April - June**

<b>Topic</b>	<b>Content</b>	<b>CfE</b>	<b>Website Revision</b>
<b>Trig 2</b>	Area of a triangle. Sine rule. Cosine rule. Bearings and Back Bearings	N5	<a href="https://www.bbc.co.uk/education/guides/zytbh39/revision">https://www.bbc.co.uk/education/guides/zytbh39/revision</a> <a href="https://www.bbc.co.uk/education/guides/z84297h/revision">https://www.bbc.co.uk/education/guides/z84297h/revision</a> <a href="https://www.bbc.co.uk/education/guides/zqwhjty/revision">https://www.bbc.co.uk/education/guides/zqwhjty/revision</a>
<b>Revision</b>			
<b>May Assessment : Non-calculator Paper 1 &amp; Calculator Paper 2</b>			
<b>Patterns</b>	Generalising patterns	N5	
<b>Algebraic Fractions</b>	Simplifying Solving equations with fractions. Literal equations	N5	<a href="https://www.bbc.com/bitesize/guides/zwv9y4j/revision/1">https://www.bbc.com/bitesize/guides/zwv9y4j/revision/1</a> <a href="https://www.bbc.com/bitesize/guides/zgtv6yc/revision/1">https://www.bbc.com/bitesize/guides/zgtv6yc/revision/1</a>

National 5 Maths Revision website [www.national5maths.co.uk](http://www.national5maths.co.uk)