

S3 CfE Course A : August - October

Topic	Content	CfE	Website Revision
Simultaneous Equations	Solve graphically Solve by substitution Solve by elimination Mixture of substitution & elimination In context	MTH 4-15a + extension	http://studymaths.co.uk/topics/linearSimultaneousEquations.php https://www.bbc.co.uk/education/guides/z8qdb82/revision
Formulae	Evaluating Constructing formulae. Change of subject Describe effect on subject of a change in variables.	MTH 3-15b Extension Extension	https://www.bbc.co.uk/education/guides/zx2n7p3/revision
Money Matters	Money terms Foreign exchange (in context with time differences) Compound interest, Appreciation and Depreciation Reverse percentage.	MNU 4-09b Extension	https://www.bbc.co.uk/education/guides/zdq39j6/revision/1 https://www.bbc.co.uk/education/guides/zj2q87h/revision https://www.bbc.co.uk/education/guides/z37pqhv/revision https://www.bbc.co.uk/education/guides/z8tv6yc/revision
Inequalities	Meaning of symbols Solving inequalities.	MTH 4-15a	https://www.mathsisfun.com/algebra/inequality-solving.html https://www.bbc.co.uk/education/guides/zwqdb82/revision
Polygons	Angles in Polygons		https://www.bbc.co.uk/education/guides/z3y9y4j/revision
Algebra	Factorising trinomials Factorising mixture Completing the square	MTH 4-14b Extension Extension	http://studymaths.co.uk/topics/factorisingQuadraticExpressions.php http://studymaths.co.uk/topics/completingTheSquare.php https://www.bbc.co.uk/education/guides/zmvr2p/revision

S3 CfE Course A : October - December

Topic	Content	CfE	Website Revision
Statistics	Standard Deviation Interquartile Range	N5 Numeracy N5	Mindmap https://www.bbc.co.uk/bitesize/guides/zgdfr82/revision/2
Extracting and interpreting data	Extracting and interpreting information from a variety of graphs and charts Interpreting Stem & Leaf diagrams	N5 Numeracy	Types of diagram - Statistical diagrams - National 4 Application of Maths Revision - BBC Bitesize Interpreting pie charts and frequency diagrams - Statistical diagrams - National 5 Application of Maths Revision - BBC Bitesize
Ratio	Using ratio and sharing given the ratio	N5 Numeracy	Equivalent ratios and simplest form - Ratio and proportion - KS3 Maths Revision - BBC Bitesize
Fractions	Adding and subtracting fractions in context	N5 Numeracy	Adding and subtracting fractions - Working with fractions - National 5 Maths Revision - BBC Bitesize
Revision for Numeracy Assessment			
November Assessment: N5 Numeracy			
Straight Line	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	https://www.bbc.co.uk/education/guides/z8383k7/revision https://www.mathsisfun.com/equation_of_line.html https://www.bbc.co.uk/education/guides/zq7s2nb/revision https://www.bbc.co.uk/education/guides/z24qcj6/revision

Topic	Content	CfE	Website Revision
Similarity	Area of similar shapes Surface area and volume of similar solids.	MTH 4-17b extension	https://corbettmaths.com/2016/08/07/similar-shapes-area-volume/ https://www.bbc.co.uk/education/guides/zxmfmsg/revision
Vectors	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	http://www.mathsisfun.com/algebra/vectors.html https://www.bbc.co.uk/education/guides/z3rqcj6/revision https://www.bbc.co.uk/education/guides/zgkx8mn/revision https://www.bbc.co.uk/education/guides/zwncsrd/revision https://www.bbc.co.uk/education/guides/zqykv9q/revision

S3 CfE Course A : January - March

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

S3 CfE Course A : April - June			
Topic	Content	CfE	Website Revision
Trig 2	Area of a triangle. Sine rule. Cosine rule. Bearings and Back Bearings	N5	https://www.bbc.co.uk/education/guides/zytbh39/revision https://www.bbc.co.uk/education/guides/z84297h/revision https://www.bbc.co.uk/education/guides/zqwhjty/revision
Revision			
S3 Assessment April			
Patterns	Generalising patterns	N5	
Algebraic Fractions	Simplifying Solving equations with fractions. Literal equations	N5	https://www.bbc.com/bitesize/guides/zwv9y4j/revision/1 https://www.bbc.com/bitesize/guides/zgtv6yc/revision/1

National 5 Maths Revision website www.national5maths.co.uk