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/z8gdb82/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	Calculating wages, Commission and overtime, Interest, VAT Hire Purchase, Foreign exchange Income Tax 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/zj2g87h/revision https://www.bbc.co.uk/education/guides/z37pqhv/revision https://www.bbc.co.uk/education/guides/z8tv6yc/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/zmvrd2p/revision
Assessment	**N4 Added Value Test**		

S3 CfE Course A : October - November			
Topic	**Content**	**CfE**	**Website Revision**
Statistics	Standard Deviation	N5	Mindmap
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
Inequalities	Meaning of symbols Solving inequalities.	MTH 4-15a	https://www.mathsisfun.com/algebra/inequality-solving.html https://www.bbc.co.uk/education/guides/zwgdb82/revision
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) Completing the square and link with the graph	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 https://www.bbc.co.uk/education/guides/zxcjrwx/revision
Revision			
December Assessment : Non-calculator Paper 1 & Calculator Paper 2			

S3 CfE Course A : December			
Topic	**Content**	**CfE**	**Website Revision**
Similarity 2	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
Polygons	Angles in Polygons		https://www.bbc.co.uk/education/guides/z3y9y4j/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. 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 from. Applying the four rules to algebraic fractions.	N5	https://www.bbc.co.uk/education/guides/zwv9y4j/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/zwbwgdm/revision/1 https://www.bbc.co.uk/education/guides/zyxv6yc/revision/1
Numeracy Revision			
March Numeracy Assessment			

S3 CfE Course A : April - June			
Topic	**Content**	**CfE**	**Website Revision**
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
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			
June Assessment : Non-calculator Paper 1 & Calculator Paper 2			
Patterns	Generalising patterns	N5	

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