

St Thomas More RC College Curriculum Topic Overview commencing September 2020

Subject: Maths Year Group: Year 9

Week	Autumn
1	Fractions recap
2	Probability: Basic probability with descriptions and numbers
3	Probability: Sample space and relative frequency
4	Probability: Using tables and diagrams
5	Factors, multiples and primes
6	Integers, Decimals and place value
7	Indices, powers and roots
8	Algebra: Expressions and simplifying them
9	Algebra: Expanding a single bracket and factorising expressions
10	Algebra: Substitution into expressions and formula
11	Using data in tables and graphs: Bar charts and histograms
12	Two-way tables and frequency tree diagrams
13	Pie charts
14	Scatter graphs
15	Stem and leaf diagrams

Week	Spring
16	Fractions: dealing with recurring fractions
17	Percentages: Percentages over 100%, use percentages in real-life situations
18	Percentages: Use decimals to find quantities, find a percentage of a quantity, including using a multiplier.
19	Percentages: Use a multiplier to increase or decrease by a percentage in any scenario where percentages are used
20	Equations: Solving equations
21	Equations: Further solving equations
22	Inequalities: Representing inequalities
23	Inequalities: Solving equalities
24	Sequences: Looking into different types of linear and Fibonacci sequences
25	Sequences: working with nth term rules in sequences
26	Properties of shapes and angle facts
27	Working out angles using parallel lines

Week	Summer
28	Working with polygons including interior and exterior angles
29	Averages with frequency tables
30	Averages with frequency tables and other statistics
31	Perimeter of polygons
32	Area of polygons and 3D shapes
33	Volume and surface area of 3D shapes
34	Coordinates and straight line graphs
35	Coordinates and straight line graphs
36	Using real life graphs
37	Transformations of polygons: translation, rotation and reflection
38	Further transformations and enlargement of a polygon from a centre
39	Mixed transformations of polygon