

St Thomas More RC College Curriculum Topic Overview commencing September 2020

Subject: Maths Year Group: 11 Foundation

| Week | Autumn   |
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| 1    | Unit 17 Circles: Area and Perimeter/Finding Radius and Diameter  |
| 2    | Unit 17 Circles: Problems incl. parts of circles/Volume of a Cylinder  |
| 3    | Unit 18a Fractions: Add, Subtract. Multiply, Divide Mixed Fractions  |
| 4    | Unit 18b Indices: Simplify Indices/Multiply & Divide Integers & evaluate/Fraction Indices/Power of a Power   |
| 5    | Unit 18b Standard Form: Writing large and small number in Standard Form/ Add & Subtract Standard Form numbers/ Multiply and Divide Standard Form Numbers   |
| 6    | Unit 19b Vectors: Understand and use vector notation including column notation/ Understand that $2\mathbf{a}$ is parallel to $\mathbf{a}$ and twice its length, and $\mathbf{a}$ is parallel to $-\mathbf{a}$ in the opposite direction / Calculate, and represent graphically, the sum of two vectors |
| 7    | Unit 19b Vectors: Calculate, and represent graphically the difference of two vectors and a scalar multiple of a vector/ Calculate the sum of two vectors, the difference of two vectors and a scalar multiple of a vector using column vectors;  |
| 8    | Unit 20: Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations  |
| 9    | UNIT 20: Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations  |
| 10   | REVISION Unit 16a: Quadratic equations, expanding and factorising<br>Unit 16b: Quadratic equations: graphs   |
| 11   | Unit 15a: Plans, elevations and nets   |
| 12   | Unit 15a: Plans, elevations and nets   |
| 13   | Unit 15b: Constructions, loci and bearings   |
| 14   | Unit 15b: Constructions, loci and bearings   |
| 15   | Unit 14 Multiplicative reasoning: more percentages, rates of change, compound measures   |

| Week | Spring   |
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| 16   | Unit 14 Multiplicative reasoning: more percentages, rates of change, compound measures |
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| Week | Summer |
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