

| <u>Topic</u>    | <u>No of periods</u> | <u>Core topics/ Extension topics</u>  |
|-----------------|----------------------|---|
| Negative number | 7                    | Number lines/temperature<br>Add/Subtract<br>Multiply/Divide<br>Mixed questions  |
| Algebra 1       | 8                    | Collecting like terms<br>Expanding single brackets<br>Expanding single brackets (inc negatives)<br>Expanding single brackets and simplifying<br>Expanding 2 or more single brackets<br>Substitution (BIDMAS)<br>Worded substitution problems                                  |
| Fractions       | 15                   | Fractions- what they are<br>Fractions of an amount<br>Equivalent fractions<br>Simplifying fractions<br>Improper/mixed fractions<br>Adding/subtracting fractions<br>Adding/subtracting mixed/improper<br>Multiplying/dividing fractions<br>Multiplying/dividing mixed/improper |
| FDP             | 10                   | Common percentages<br>Converting F, D, P<br>Ordering F, D, P<br>Calculating percentages without a calculator<br>Calculating percentages with a calculator<br>Percentage increase/decrease   |
| Algebra 2       | 9                    | Creating expressions/equations<br>Solving one step equations<br>Solving two step equations<br>Solving two step equations inc negatives<br>Constructing and evaluating formulae  |
| Sequences       | 5                    | Describing patterns, next in sequence<br>Terminology, simple linear patterns<br>More difficult linear patterns  |
| Area            | 5                    | Area of rectangle/square<br>Area of triangles<br>Area of Kite, Rhombus, Parallelogram<br>Area of composite shapes<br>Volume of cube/cuboid<br>Volume of prisms  |
| SDT             | 8                    | 12/24 hr time   |

Calculating speed, distance, time  
S, D, T with decimal hours  
Distance, time graphs

## Statistics

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Collecting data  
Frequency tables  
Bar charts  
Line graphs  
Interpreting pie charts  
Drawing pie charts  
Mean, median, mode and ranges  
Using media to display graphs

