

SUBJECT CURRICULUM OUTLINE

| Term | Topic/Unit of work | Knowledge | Skills | Assessment |
|------------------|--|---|---|--|
| Autumn Term 1 | Equations and inequalities | Solve equations Rearrange equations Substitution Inequalities on number lines Solve Inequalities Rounding Function machines nth term | Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving | Topic test Book marking |
| Autumn Term 2 | Multiplicative reasoning Angles | Density Pressure Speed Percentage problems Compound interest | Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving | Topic test Book marking |
| Spring Term 1 | Perimeter, Area and Volume | Convert between units Estimation Perimeter Area Volume Surface area | Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving | Topic test Book marking |
| Spring Term 2 | Perimeter, Area and Volume Probability | Theoretical probability Listing outcomes Mutually exclusive events Relative frequency Venn diagrams Experimental probability | Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving | Topic Test Book marking |
| Summer Term 1 | Probability Statistics | Types of data Sample and population Averages Spread of data - range Compare averages | Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving | Topic Test Book marking |
| Summer Term 2 | Linear graphs Fractions and standard form | Drawing real life graphs Coordinates Midpoint of a line | Use and apply: four operations Comprehension Reasoning | End of year assessment Book marking |

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| | | Distance-time graphs $y = mx + c$ Gradient and y-intercept Equation of a straight line | Communicating mathematically Problem solving | |
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