<table>
<thead>
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<th>Classes</th>
<th>Topics</th>
<th>Half Yearly</th>
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| Year 7   | Calculates the perimeter and area of squares and rectangles.  
Describe number patterns using words and algebraic symbols.  
Performs operations with directed numbers and the number plane.                                      | 50 mins    |
| Year 8   | Operates with percentages and converts between fractions, decimals and percentages.  
Calculates the perimeter and area of circles using pi.  
Uses ratios and rates to solve problems                                                      | 50 mins    |
| Year 9 5.3| Finds midpoint, distance and gradient and uses various standard forms of the equation of a straight line  
Determines properties of triangles and quadrilaterals using deductive reasoning  
Performs operations with surds and indices                                                   | 1 hr 45 mins |
| Year 9 5.2| Uses formulae to find and applies the gradient/intercept form to interpret and graph straight lines  
using index laws to simplify expressions  
Uses significant figures and scientific notation.                                             | 1 hr 45 mins |
| Year 9 5.1| Graphs linear equations and finds midpoints, distance and gradients on the number plane  
using index laws to simplify expressions  
Uses significant figures and scientific notation.                                             | 1 hr 45 mins |
| Year 10 5.3| Solves linear, quadratic and simultaneous equations, solves and graphs inequalities, and rearranges literal equations  
Graphs regions on the number plane                                                          | 1 hr 45 mins |
| Year 10 5.2| Uses index laws to simplify expressions and applies significant figures and scientific notation.  
Applies trigonometric relationships, sine rule, cosine rule and area rule in problem solving | 1 hr 45 mins |
| Year 10 5.1| Constructs frequency and cumulative frequency tables and graphs.  
Uses index laws to simplify expressions and applies significant figures and scientific notation. | 1 hr 45 mins |