

## Half term 3 lesson break down

The dates are approximate as your class may be working at a different point. If you are unsure of where to start, you need to send a message to your teacher on class charts.

The MathsWatch links take you straight to the practice questions, but we also advise you to watch the video clips for each topic before attempting them.

There will also be an additional **homework task** set each week for your class. Ensure that this is completed and **uploaded** on ClassCharts. Please self-mark any work you do from the Oak Academy links using the solutions on the videos.

Week number	Lesson
<b>16</b> <b>Week beginning</b> <b>4<sup>th</sup> January</b>	<b>Distance-Time and Velocity-Time Graphs</b> <a href="#">Calculate with speed, distance and time</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> <a href="#">Understand speed as a rate of change</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> (Skip the density questions)
<b>17</b> <b>Week beginning</b> <b>11<sup>th</sup> January</b>	<b>Distance-Time and Velocity-Time Graphs</b> <a href="#">Distance-time graphs</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> <a href="#">Calculate speed from distance-time graphs</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul>
<b>18</b> <b>Week beginning</b> <b>18<sup>th</sup> January</b>	<b>Distance-Time and Velocity-Time Graphs</b> <a href="#">Velocity-time graphs</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> <a href="#">Properties of velocity-time graphs</a> Extension work: <a href="#">MathsWatch: Rates of Change</a>
<b>19</b> <b>Week beginning</b> <b>25<sup>th</sup> January</b>	<b>Sequences</b> <a href="#">Generate sequences given the nth term</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> <a href="#">Find the nth term of a linear sequence</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul>
<b>20</b> <b>Week beginning</b> <b>1<sup>st</sup> Feb</b>	<b>Sequences</b> <a href="#">Solve problems involving sequences</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul> <a href="#">Be familiar with triangle numbers and Fibonacci numbers</a> <ul style="list-style-type: none"> <li>• <a href="#">MathsWatch Practice</a></li> </ul>
<b>21</b> <b>Week beginning</b> <b>8<sup>th</sup> Feb</b>	<b>Quadratic Sequences</b> <ul style="list-style-type: none"> <li>• <a href="#">Extend to quadratic sequences whose nth term is <math>an^2 + bn + c</math></a></li> <li>• <a href="#">MathsWatch Practice</a></li> </ul> Extension work: <a href="#">MathsWatch: Finding the nth term of a Quadratic Sequence</a>