

## YEAR 9 – MATHEMATICS (Week 9)

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 9 A-F</b>
<b>Week</b>	<b>17<sup>th</sup> May to 21<sup>st</sup> May</b>
<b>Work send to students by</b>	<b>Group email / Google classroom</b>
<b>Total number of lessons per week</b>	<b>6</b>
<b>Unit</b>	<b>Unit 6 – Linear Graphs</b>
<b>Lesson 1</b> <b>Zoom Lesson</b>	<b>Unit 6.1 – Linear Graphs</b>  Learning Objective – Find the gradient and y-intercept from a linear equation.  Learning Outcomes By the end of the lesson students will be able to <ul style="list-style-type: none"> <li>-Identify the general equation of a straight line.</li> <li>- Find the gradient and y- intercept from a linear equation.</li> <li>- Find the equation of the lines given the gradient and y intercept.</li> </ul>
<b>Task</b>	Complete the textbook allocated questions.
<b>Resources</b>	1. Power point presentation 2. Edexcel GCSE Mathematics Higher Textbook (Pages 161 - 163) 3. <a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a>
<b>Lesson 2</b> <b>GC</b>	<b>Unit 6.1 – Linear Graphs</b>  Learning Objective – Find the gradient and y-intercept from a linear equation.  Learning Outcomes By the end of the lesson students will be able to <ul style="list-style-type: none"> <li>-Identify the general equation of a straight line.</li> <li>- Find the gradient and y- intercept from a linear equation.</li> <li>- Find the equation of the lines given the gradient and y intercept.</li> </ul>
<b>Task</b>	Complete the textbook allocated questions.
<b>Resources</b>	1. Power point presentation

	<p>2. Edexcel GCSE Mathematics Higher Textbook (Pages 161 - 163)</p> <p>3. <a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a></p>
<p><b>Lesson 3</b></p> <p><b>Zoom Lesson</b></p>	<p><b>Unit 6.1 – Linear Graphs</b></p> <p>Learning Objective - Rearrange an equation into the form <math>y = mx + c</math>. Compare two graphs from their equations.</p> <p>Learning Outcomes-</p> <p>By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>- Rearrange equations to the form <math>y = mx + c</math></li> <li>- Compare two graphs from their equations.</li> <li>- Attempt problem solving questions.</li> </ul>
<p><b>Task</b></p>	<p>Complete the textbook allocated questions.</p>
<p><b>Resources</b></p>	<p>1. Power point presentation</p> <p>2. Edexcel GCSE Mathematics Higher Textbook (Pages 161 - 163)</p> <p>3. <a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a></p>
<p><b>Lesson 4</b></p> <p><b>GC</b></p>	<p><b>Unit 6.1 – Linear Graphs</b></p> <p>Learning Objective - Rearrange an equation into the form <math>y = mx + c</math>. Compare two graphs from their equations.</p> <p>Learning Outcomes-</p> <p>By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>- Rearrange equations to the form <math>y = mx + c</math></li> <li>- Compare two graphs from their equations.</li> <li>- Attempt problem solving questions.</li> </ul>
<p><b>Task</b></p>	<p>Complete the textbook allocated questions.</p>
<p><b>Resources</b></p>	<p>1. Power point presentation</p> <p>2. Edexcel GCSE Mathematics Higher Textbook (Pages 161 - 163)</p> <p>3. <a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a></p>
<p><b>Lesson 5</b></p>	<p><b>Unit 6.1 – Linear Graphs</b></p>

<p><b>Task</b></p> <p><b>Resources</b></p>	<p>Learning Objective – Plot graphs with equations <math>ax + by = c</math></p> <p>Learning Outcomes-</p> <p>By end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>- Draw vertical and horizontal graphs</li> <li>- Plot straight line graphs</li> <li>- Attempt problem solving questions.</li> </ul> <p>Complete the textbook allocated questions.</p> <ol style="list-style-type: none"> <li>1. Power point presentation</li> <li>2. Edexcel GCSE Mathematics Higher Textbook (Pages 161 - 163)</li> <li>3. <a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a></li> </ol>
<p><b>Lesson 6</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Linear Graphs</b></p> <p><b>Unit 6.1 – Linear Graphs</b></p> <p>Learning Objective – Find the gradient and y-intercept from a linear equation.  Rearrange an equation into the form <math>y = mx + c</math>.  Compare two graphs from their equations.</p> <p>Complete the task allocated from ActiveLearn</p> <p><a href="https://www.activeteachonline.com">https://www.activeteachonline.com</a></p>