

## YEAR 9 – MATHEMATICS MARCH 2021

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 9 A-F</b>
<b>Week</b>	<b>14<sup>th</sup> March to 18<sup>th</sup> March</b>
<b>Work send to students by</b>	<b>Class Group email / Google classroom / Zoom</b>
<b>Total number of lessons per week</b>	<b>6</b>
<b>Concepts</b>	<b>Unit 8.1 – 3D solids</b> <b>Unit 7.7 – Pyramids and cones</b> <b>Unit 5.4 – Pythagoras’ Theorem 1</b> <b>Unit 5.5 - Pythagoras’ Theorem 2</b> <b>Unit 5.6 – Trigonometry 1</b>
<b>Lesson 1</b> <b>Zoom Lesson</b>  <b>Task</b>  <b>Resources</b>	<b>Learning Objective:</b> <ul style="list-style-type: none"> <li>• <b>To draw plans and elevations of 3D solids</b></li> </ul> <b>Intended Learning Outcome:</b> <b>By the end of the lesson students will be able to</b> <ul style="list-style-type: none"> <li>• <b>To draw plans and elevations of 3D solids</b></li> </ul> <p>Sums from the concept assigned for practice.</p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</b></p>
<b>Lesson 2</b> <b>Zoom lesson</b>  <b>Task</b>	<b>Learning Objective:</b> <ul style="list-style-type: none"> <li>• <b>To calculate the surface area (frustum) and volume of cones.</b></li> </ul> <b>Intended Learning Outcome:</b> <b>By the end of the lesson students will be able to</b> <ul style="list-style-type: none"> <li>• <b>To calculate the surface area (frustum) and volume of cones.</b></li> </ul> <p>Sums from the concept assigned for practice.</p>

<b>Resources</b>	<b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</b>
<b>Lesson 3 Zoom Lesson</b>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To calculate the surface area and volume of cones.</li> </ul> <p><b>Intended Learning Outcome:</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To calculate the surface area and volume of cones.</li> </ul>
<b>Task</b>	<b>Sums from the concept assigned for practice.</b>
<b>Resources</b>	<b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</b>
<b>Lesson 4 Zoom lesson</b>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To calculate the missing length in a right- angled triangle.</li> <li>• To solve problems using Pythagoras’ Theorem.</li> </ul> <p><b>Intended Learning Outcome</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To calculate the missing length in a right - angled triangle.</li> <li>• To solve problems using Pythagoras’ Theorem.</li> </ul>
<b>Task</b>	<b>Sums from the concept assigned for practice.</b>
<b>Resources</b>	<b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</b>

<p><b>Lesson 5</b> <b>Zoom Lesson</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To use trigonometric ratios to find lengths in a right- angled triangle.</li> </ul> <p><b>Intended Learning Outcome</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To use trigonometric ratios to find lengths in a right- angled triangle.</li> </ul> <p>Sums from the concept assigned for practice.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>
<p><b>Lesson 6</b></p> <p><b>Google Classroom</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To calculate the missing length in a right-angled triangle.</li> <li>• To solve problems using Pythagoras’ Theorem.</li> </ul> <p><b>Intended Learning Outcome</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To calculate the missing length in a right - angled triangle.</li> <li>• To solve problems using Pythagoras’ Theorem.</li> </ul> <p>Sums from the concept assigned for practice from Active learn</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>