# YEAR 9 – MATHEMATICS NOVEMBER 2020

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| **Subject** | **Mathematics** |
| **Class/ Section** | **Year 9 A-F** |
| **Week** | **8th November to 12th November** |
| **Work send to students by** | **Class Group email / Google classroom / Zoom** |
| **Total number of lessons per week** | **6** |
| **Concepts** | **Unit 2.4 – Formulae**<br>**Unit 2.5 –Linear sequences**<br>**Unit 2.6 – Non linear sequences** |
| **Lesson 1**<br>**Zoom Lesson** | **Learning Objective:**<br><br>• **To distinguish between expressions, equations, identities and formulae**<br>• **To substitute numbers in formulae**<br>• **To rearrange formulae**<br><br><br>**Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br>• **To distinguish between expressions, equations, identities and formulae**<br>• **To substitute numbers in formulae**<br>• **To rearrange formulae** |
| **Task** | **Sums from the concept assigned for practice.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |
| **Lesson 2**<br>**Zoom Lesson** | **Learning Objective:**<br><br>• **To distinguish between expressions, equations, identities and formulae**<br>• **To substitute numbers in formulae**<br>• **To rearrange formulae** |

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| **Task** | **Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br>• **To distinguish between expressions, equations, identities and formulae**<br>• **To substitute numbers in formulae**<br>• **To rearrange formulae**<br><br>**Sums from the concept assigned for practice.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |
| **Lesson 3**<br>**Zoom Lesson** | **Learning Objective:**<br><br>• **To find a general formula for the nth term of an arithmetic sequence.**<br>• **Determine whether a particular number is a term of a given arithmetic sequence.**<br><br>**Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br>• **To find a general formula for the nth term of an arithmetic sequence.**<br>• **Determine whether a particular number is a term of a given arithmetic sequence.** |
| **Task** | **Sums from the concept assigned for practice.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |

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| **Lesson 4**<br>**Zoom Lesson** | **Learning Objective:**<br><br>• **To solve sums using geometric sequences.**<br>• **To work out terms in Fibonacci- like sequences.**<br><br><br><br>**Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br><br>• **To solve sums using geometric sequences.**<br>• **To work out terms in Fibonacci- like sequences.** |
| **Task** | **Sums from the concept assigned for practice.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |
| **Lesson 5**<br>**Google**<br>**Classroom** | **Learning Objective:**<br><br>• **To add, subtract, multiply and divide fractions and mixed numbers.**<br><br><br>**Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br>• **To add, subtract, multiply and divide fractions and mixed numbers.** |
| **Task** | **Sums from the concept assigned for practice from Active Learn.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |

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| **Lesson 6**<br>**Google**<br>**Classroom** | **Learning Objective:**<br><br>&bull; **To add, subtract, multiply and divide fractions and mixed numbers.**<br><br><br>**Intended Learning Outcome:**<br>**By the end of the lesson students will be able to**<br>&bull; **To add, subtract, multiply and divide fractions and mixed numbers.** |
| **Task** | **Sums from the concept assigned for practice from Active Learn.** |
| **Resources** | **Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT** |