Year 9 Higher

## Student Booklet

Name.



|  | Test <br> Mark | $/$ | 6 Skills Target |  | Class <br> Rank |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T1 |  |  |  |  |  |  |
|  |  |  | Date <br> 1st <br> Target: |  |  |  |



|  | Test <br> Mark | $/$ | 6 Skills Target |  | Class <br> Rank |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T3 |  |  |  |  |  |  |
|  |  |  | Date <br> 1st <br> Target: |  |  |  |


| T4 | Test <br> Mark | / | 6 Skills Target | Class <br> Rank |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Strength |  |  |  | Date Completed |
|  | 1st <br> Target: |  |  |  |  |
|  | 2nd Target: |  |  |  |  |



| T6 | Test <br> Mark | / | 6 Skills Target | Class <br> Rank |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Strength |  |  |  | Date Completed |
|  | 1st <br> Target: |  |  |  |  |
|  | 2nd Target: |  |  |  |  |

## Number Objectives

|  | LaWS Of Indices \& Standard Form \& |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Unit 1 Objectives

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| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## TEST 1

## Unit 2 Objectives

| StatisticS |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Unit 3 Objectives

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## TEST 3

## Unit 4 Objectives

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## TEST 4

## Unit 5 Objectives

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## Unit 6 Objectives

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| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Unit 7 Objectives

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| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Graphical \& Algebraic Solutions |  |  |

## Unit 8 Objectives

| $\begin{aligned} & \mathbf{O} \\ & \text { C } \\ & \text { © } \end{aligned}$ | Mathematical Reasoning \& Proof |  |  |  |  | \#. | \# |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Know and use the proof of the angles in a triangle. |  |  |  |  |  |  |
|  | Apply angle theory to develop the formulae for the interior and exterior angles of regular polygons. |  |  |  |  |  |  |
|  | Develop proofs for alternate angles and vertically opposite angles. |  |  |  |  |  |  |
|  | Understand and use algebraic generalisation as a means to prove arithmetic statements. e.g "The product of any two consecutive numbers is even". |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Justify solutions to problems set in an unfamiliar context |  |  |  |  |  |  |
|  | Generate fuller solutions using reasoned argument |  |  |  |  |  |  |
|  | Construct models of real-life situations by drawing graphs and constructing algebraic equations |  |  |  |  |  |  |
|  | Identify exceptional cases or counter-examples and explain why |  |  |  |  |  |  |
|  | Use counter example to show why a statement is false |  |  |  |  |  |  |
|  | Explore the effects of varying values and make convincing arguments to justify generalisations |  |  |  |  |  |  |
|  | Justify generalisations, arguments or solutions and investigate whether particular cases can be generalised further |  |  |  |  |  |  |
|  | Present a reasoned argument using algebra |  |  |  |  |  |  |
|  | Use algebra to investigate an extension to a problem |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

