**KASENGE GREENHILL SECONDARY SCHOOL**

**SCHEME OF WORK 2025**

**SENIOR FOUR MATHEMATICS**

**TERM ONE**

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| **WK** | **PRD** | **TOPIC AND SUBTOPIC** | **LEARNING OUTCOME** | **COMPETENCY** | **METHODOLOGY** | **TEACHING AIDS** | **REFERENCES** | **REMARKS** |
| **1** | **2** | **REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS** | | | | | | |
| **2** | **3** | COMPOSITE FUNCTIONS | The learner should be able to understand and use functional notation | The learner describes and understands composite functions | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **3** | **3** | COMPOSITE FUNCTIONS | The learner should be able to work out the inverse of a function | This involves making a function the subject and substituting where possible | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **3** | **3** | **ACTIVITY OF INTEGRATION** | | | | | | |
| **4** | **3** | EQUATIONS AND INEQUALITIES | The learner should be able to build a formula from a word statement | The learner build a formula from a word statement and also making the subject of the formula | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **4** | **3** | EQUATIONS AND INEQUALITIES | The learner should be able to solve equations and inequalities | Solving equations and inequalities | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **5** | **3** | EQUATIONS AND INEQUALITIES  LINEAR PROGRAMMING | The learner should be able to form linear equations from real life situations and solve them | The learner represents inequalities on a graph and identifies the feasible region | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **6** | **3** | EQUATIONS AND INEQUALITIES  LINEAR PROGRAMMING | The learner should be able to find an optimum solution from the feasible region | The learner interprets the graph and finds pairs of coordinates to solve the scenario | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **6** | **3** | **MID TERM ONE EXAMS** | | | | | | |
| **7** | **2** | GEOMETRY AND MEASURES  LOCI | The learner should be able to describe common types of loci | The learner constructs loci involving points under given conditions | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **8** | **3** | GEOMETRY AND MEASURES  LOCI | The learner should be able to construct intersecting loci | The learner ably constructs loci consisting of inequalities | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **9** | **2** | **ACTIVITY OF INTEGRATION** | | | | | | |
| **9** | **3** | LINES AND PLANES IN 3 DIMENSION | The learner should be able to apply Pythagoras theorem in 3d to calculate distance between two points | Applications of Pythagoras theorem | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **10** | **3** | LINES AND PLANES IN 3 DIMENSION | The learner should be able to find angle between a plane and a line | Finding angle between two lines and planes | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **10** | **3** |  | The learner should be able to find angle between planes | Finding angle between two planes | Guided discovery  Question and answer  Group work | Textbooks  Learners book  Pens  calculators | Fountain math learners book 4  internet |  |
| **11** | **3** | **ACTIVITY OF INTEGRATION** | | | | | | |
| **12** | **END OF TERM ONE EXAMS** | | | | | | | |

**MADE BY: TR GALIWANGO WASSWA HUSSEIN NEWTON**

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