## $2023 / 24$ ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 1)

| TERM 1 | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 | WEEK 6 | WEEK 7 | WEEK 8 | WEEK 9 | WEEK 10 | WEEK 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TOPICS | Exponents and surds |  | Equations and inequalities |  |  |  | Trigonometry (reduction formulae, trig equations \& general solutions) |  |  |  |  |
| DATE COMPLETED |  |  |  |  |  |  |  |  |  |  |  |
| SBA | Investigation or project \& test (content of Term 1) |  |  |  |  |  |  |  |  |  |  |

## 2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 2)

| TERM 2 | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 | WEEK 6 | WEEK 7 | WEEK 8 | WEEK 9 | WEEK 10 | WEEK 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TOPICS | Euclidean Geometry |  |  |  | Analytical Geometry |  | Functions (including trigonometric functions) |  |  |  |  |
| DATE COMPLETED |  |  |  |  |  |  |  |  |  |  |  |
| SBA | Assignment \& mid-year exam |  |  |  |  |  |  |  |  |  |  |

## $2023 / 24$ ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 3)

| TERM 3 | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 | WEEK 6 | WEEK 7 | WEEK 8 | WEEK 9 | WEEK 10 | WEEK 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TOPICS | Trigonometry (sine, cosine and area rules) |  |  | Statistics |  | Probability |  |  | Finance, growth and decay |  |  |
| DATE <br> COMPLETED |  |  |  |  |  |  |  |  |  |  |  |
| SBA | Test |  |  |  |  | Test |  |  |  |  |  |

2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 4)

| TERM 4 | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 | WEEK 6 | WEEK 7 | WEEK 8 | WEEK 9 | WEEK 10 | EXAM <br> PAPER $1 \quad 150$ marks 3 hours <br> Algebraic Expressions, equations <br> and inequalities <br> Number patterns <br> Finance, growth and decay <br> Functions and graphs <br> Probability <br> PAPER 2 <br> Statistics <br> Analytical Geometry marks 3 hours <br> Trigonometry <br> Euclidean Geometry |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number patterns |  |  | Revision of measurement | Revision of Algebra | Revision of Trigonometry | Examination |  |  |  |  | $\begin{aligned} & 45 \\ & 25 \\ & 15 \\ & 45 \\ & 20 \end{aligned}$ |
| DATE COMPLETED |  |  |  |  |  |  |  |  |  |  |  |  |
| SBA | Test |  |  |  |  |  |  |  |  |  |  |  |
| ```TOTAL NUMBER OF SBA TASKS 7 TERM 1 INVESTIGATION/PROJECT (15\%) AND TEST (14\%) TERM 2 ASSIGNMENT (15\%) AND MID-YEAR EXAM (14\%) TERM 3 TEST (14\%) AND TEST (14\%) TERM 4 TEST (14\%)``` |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 20 |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 30 |
|  |  |  |  |  |  |  |  |  |  |  |  | 50 |
|  |  |  |  |  |  |  |  |  |  |  |  | 50 |

2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11

## 2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 1)





2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11

## 2023/24 ANNUAL TEACHING PLANS: MATHEMATICS: GRADE 11 (TERM 4)

| TERM 4 | WEEK 1 | WEEK 2 | WEEK 3 |  | WEEK 4 | WEEK 5 | WEEK 6 | WEEK 7 | WEEK 8 | WEEK 9 | WEEK 10 | EXAM |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TOPICS | NUMBER PATTERNS |  |  | REVI | SION OF MEASUREMENT | REVISION OF ALGEBRA | REVISION OF TRIGONOMETRY | EXAMINATION |  |  |  | PAPER 1150 marks 3 hours Algebraic expressions, equations and inequalities <br> Number patterns <br> Finance, growth and decay <br> Functions and graphs <br> Probability | 4525154520 |
|  | Patterns: Investigate number patterns leading to those where there is a constant second difference between consecutive terms and the general term is therefore quadratic |  |  | 1. <br> 2. <br> 3. | Revise the volume and surface areas of right prisms and cylinders <br> Study the effect on volume and surface areas when multiplying any dimension by a constant factor $k$ <br> Calculate volume and surface areas of spheres, right prisms, right cones and combination of those objects (figures) |  |  |  |  |  |  |  |  |
| DATE <br> COMPLETED |  |  |  |  |  |  |  |  |  |  |  | PAPER 2150 marks 3 hours <br> Statistics <br> Analytical Geometry <br> Trigonometry <br> Euclidean Geometry |  |
| SBA | Test |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NUMB <br> TERM 1 INVE <br> TERM 2 ASS <br> TERM 3 TEST <br> TERM 4 TEST | OF SBA TAS IGATION/PR MENT ( $15 \%$ ) (4\%) AND TEST (4\%) | 7 <br> JECT (15\%) ND MID-YE <br> (14\%) | AND TEST R EXAM (1 |  |  |  |  |  |  |  |  |  |  |

