



**TECHNICAL MATHEMATICS PROGRAMME FOR GRADE 11 LEARNERS FROM 20 APRIL TO 15 MAY 2020**

**TOPIC: FUNCTIONS AND GRAPHS**

**MARKS IN EXAMINATION PAPER: 45 +/- 3 MARKS OF PAPER 1**

**MAIN RESOURCE(S) SUGGESTED: SASOL INZALO TEXTBOOK**

**ADDITIONAL RESOURCE(S): ANY APPROVED TEXTBOOK AND/ OR STUDY GUIDE**

**MEDIA:**

- ECDOE WEBSITE.
- DBE WEBSITE.

**USE SASOL INZALO TEXTBOOK (PAGE 76 – 120)**

- Read and follow the explanation about the topic/ concept. Read Introduction on page 81.
- Follow and practice Examples indicated.
- Then do Investigations/ Exercises on Learner Guide (LG) without looking at the solutions first.
- Then check your solutions against solutions provided in the Teacher Guide (TG).
- Then do corrections.
- Double or triple check if you are able to do Activities on your own without looking at the solutions until you master the concept(s).

**WEEK 1: 20 – 24 APRIL 2020**

- **Focus on Parabola (Page 76 – 102)**
- **Investigate and make conclusions, then do Exercise at the end.**

DATE	EXAMPLES	EXERCISE	PAGE(S)
20/04	5.1 on page 77 – 78	5.1 – 5.4	78 – 82
21/04	Revisit 5.1 on page 77 – 78	5.5 – 5.8	82 – 88
22/04	Revisit 5.1 on page 77 – 78	5.9 – 5.12	89 – 92
23/04	Revisit 5.1 on page 77 – 78	5.13 – 5.16	92 – 97
24/04	Worked Examples 5.2 – 5.4	5.17 – 5.17	98 – 102

**WEEK 2: 27 APRIL – 1 MAY 2020**

- **Focus on Exponential Function (Page 104 – 108)**

DATE	EXAMPLES	EXERCISE	PAGE(S)
27/04	5.5 – 5.6 on page 103	5.20	104
28/04	Revisit 5.5 – 5.6 on page 103	5.21	104 – 105
29/04		5.22	105 – 106
30/04		5.23	107 – 108
1/05	Revise	Revise	

**WEEK 3: 4 – 8 MAY 2020**➤ **Focus on Hyperbola (Page 109 – 111)**

DATE	EXAMPLES	EXERCISES	PAGE(S)
4/05	5.7 on page 108	5.24	109
5/05	Worked Example on page 121 - 122	5.25	109 – 110
6/05		5.26	111
7/05	Revise Straight line Function	Revise Straight line Function	
8/05	Revise Straight line Function	Revise Straight Line Function	

**WEEK 4: 11 – 15 MAY 2020**➤ **Focus on Circles (Page 113 – 117)**

DATE	EXAMPLES	EXERCISES	PAGE(S)
11/05	5.9 on page 112	5.27	113 - 114
12/05	5.10 on page 114	5.28	115
13/05		5.29	115
14/05	5.11 on page 116	5.30	117
15/05	Revise and read Chapter Summary	Consolidation Exercise on page 124 – 125	117 - 119

**USE ANY PREVIOUS YEARS' QUESTION PAPERS TO REVISE TRIGONOMETRY. USE ECDOE WEBSITE TO ACCESS PREVIOUS YEARS' QUESTION PAPERS IF YOU DO NOT HAVE HARD COPIES!**

**REMEMBER, PRACTICE MAKES PERFECT!**

**SO, PRACTICE, PRACTICE AND PRACTICE!**

building blocks for growth.



*Ikamva eliqaqambileyo!*