



MATHEMATICS PROGRAMME FOR GRADE 12 LEARNERS FROM 31 MARCH TO 17 APRIL 2020

TOPIC: ANALYTICAL GEOMETRY

MARKS IN EXAMINATION PAPER: 40 +/- 3 MARKS IN PAPER 2

MAIN RESOURCE(S) SUGGESTED: MIND THE GAP STUDY GUIDE AND BOOKLET 1/ 'YES I CAN' GUIDE

ADDITIONAL RESOURCES: ANY APPROVED TEXTBOOK AND/ OR STUDY GUIDE

MEDIA:

- SELECTED EC COMMUNITY RADIO STATIONS AT 18H00 FROM 30 MARCH.
- TRU FM AT 10H30 ON 1 & 22 APRIL 2020.
- UMHLOBO WENENE FM AT 20H30 ON 1 & 22 APRIL 2020.
- SABC TV, OVHD AND DSTV CHANNEL 319.
- ECDOE WEBSITE.
- DBE WEBSITE.

USE OF MIND THE GAP STUDY GUIDE AND BOOKLET 1 OF 'YES I CAN' GUIDE

WEEK 1: 31 MARCH – 3 APRIL 2020

USE MIND THE GAP (PAGE 172 TO 183) AS FOLLOWS:

- Read and follow the explanation about the topic/ concept.
- Follow and practice Examples indicated 'E.G'.
- Then do Activities without looking at the solutions first.
- Then check your solutions against solutions provided.
- 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).

DATE	EXAMPLES	ACTIVITY
31/03	1 & 2	1
1/04	3 & 4	2 & 3
2/04	5 & 6	4
3/04	7	5 & 6

WEEK 2: 6 – 10 APRIL 2020

- Read and follow the explanation about the topic/ concept.
- Follow and practice Examples indicated 'E.G'.
- Then do Activities without looking at the solutions first.
- Then check your solutions against solutions provided.
- 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).

DATE	WHAT TO DO
6/04	<ul style="list-style-type: none">• Read and follow the explanation about the topic/ concept.• Focus on determining the equation of a circle with centre at the origin.• Follow examples and do Activities.
7/04	<ul style="list-style-type: none">• Read and follow the explanation about the topic/ concept.• Focus on determining the equation of a circle with centre NOT at the origin.• Follow examples and do Activities.
8/04	Determine the coordinates of the centre and length of the radius from any form of the equation of a circle. (Follow and do examples where 'completing the square' method is used to re-write the equation of a circle. You may use any other acceptable method to find the coordinates of centre and length of radius of a circle)
9/04	Equation of a tangent.
10/04	Equation of a tangent.

WEEK 3: 13 – 17 APRIL 2020

USE BOOKLET 1 ('YES I CAN' GUIDE) AND/OR ANY PREVIOUS YEARS' QUESTION PAPERS TO REVISE ANALYTICAL GEOMETRY. 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!