














Junior Tukkies Gr.12 Winter School 2020






















NOTE: Links to study material, worksheets, memo's and videos will become available on this programme at the start of every two-week topic.

Week	Dates	Activity	Watch video	Print	Practise
(Send any questions to Junior Tukkies every week before Thursday 17:00)					
Functions, graphs and inverses					
Study material:					
for the Mathematics study material for the Winter school					
1 & 2	1 July – 12 July	Functions, graphs and inverses - Worksheet	Functions, graphs and inverses - Memo		
		Watch the following videos:			
		Functions, graphs and inverses - Good approach to Maths			
		Functions, graphs and inverses - Exam type question 1			
		Functions, graphs and inverses - Exam type question 2			
		Functions, graphs and inverses - Exam type question 3			
		Saturday feedback video:			
		11 July Watch a video on answers to frequently asked questions			
Calculus					
3 & 4	13 July – 26 July	Calculus - Worksheet	Calculus - Memo		
		Watch the following videos:			
		Calculus - Introduction and Theory			
		Calculus - Short method derivatives			
		Calculus - Application to graphs 1			
		Calculus - Application to graphs 2			
		Calculus - Application to graphs 3			
		Calculus - Optimisation 1			
		Calculus - Optimisation 2			
		Feedback video's:			
		Tuesday, 21 July 2020 Watch a video on answers to frequently asked questions			
		25 July 2020 Watch a video on answers to frequently asked questions			



Analytical Geometry and Trigonometry		
5 & 6	27 July – 9 Aug	Trigonometry  Worksheet  Memo Analytical Geometry  Worksheet  Memo
		Watch the following videos:  Analytical Geometry - Inclination angles  Analytical Geometry - Exam type question 1  Analytical Geometry - Exam type question 2  Trigonometry - Simplification and theory  Trigonometry - Exam type question 1  Trigonometry - Exam type question 2  Trigonometry - Proving identities  Trigonometry - Exam type question 3  Trigonometry - Exam type question 4
		Saturday feedback video: 1 & 8 August Watch a video on answers to frequently asked questions

Euclidean Geometry		
7 & 8	10 Aug – 23 Aug	 Worksheet  Memo
		Watch the following videos  Euclidean Geometry - Theory grades 8 - 11  Euclidean Geometry - Exam type question 1  Euclidean Geometry - Exam type question 2  Euclidean Geometry - Theory grade 12  Euclidean Geometry - Exam type question 3  Euclidean Geometry - Exam type question 4
		Saturday feedback video: 15 & 22 August Watch a video on answers to frequently asked questions

Probability		
9	24 Aug – 31 Aug	 Worksheet  Memo
		Watch the following videos <ul style="list-style-type: none">  Probability - Variables and relationships  Probability - Exam type question 1  Probability - Theory grade 12  Probability - Exam type question 2  Probability - Exam type question 3
		Saturday feedback video: 29 August Watch a video on answers to frequently asked questions
Exam preparation		
10	31 Aug – 5 Sep	 Worksheet  Memo
		Watch the following videos <ul style="list-style-type: none">  How to prepare for Paper 1  How to prepare for Paper 2
		Saturday feedback video: 5 September Watch a video on answers to frequently asked questions