














## 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)					
<b>Functions, graphs and inverses</b>					
<b>Study material:</b>					
for the Mathematics study material for the Winter school					
1 & 2	1 July – 12 July	<a href="#">Functions, graphs and inverses - Worksheet</a>	<a href="#">Functions, graphs and inverses - Memo</a>		
		<b>Watch the following videos:</b>			
		<a href="#">Functions, graphs and inverses - Good approach to Maths</a>			
		<a href="#">Functions, graphs and inverses - Exam type question 1</a>			
		<a href="#">Functions, graphs and inverses - Exam type question 2</a>			
		<a href="#">Functions, graphs and inverses - Exam type question 3</a>			
		<b>Saturday feedback video:</b>			
		<a href="#">11 July Watch a video on answers to frequently asked questions</a>			
<b>Calculus</b>					
3 & 4	13 July – 26 July	<a href="#">Calculus - Worksheet</a>	<a href="#">Calculus - Memo</a>		
		<b>Watch the following videos:</b>			
		<a href="#">Calculus - Introduction and Theory</a>			
		<a href="#">Calculus - Short method derivatives</a>			
		<a href="#">Calculus - Application to graphs 1</a>			
		<a href="#">Calculus - Application to graphs 2</a>			
		<a href="#">Calculus - Application to graphs 3</a>			
		<a href="#">Calculus - Optimisation 1</a>			
		<a href="#">Calculus - Optimisation 2</a>			
		<b>Feedback video's:</b>			
		<a href="#">Tuesday, 21 July 2020 Watch a video on answers to frequently asked questions</a>			
		<a href="#">25 July 2020 Watch a video on answers to frequently asked questions</a>			



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

<b>Euclidean Geometry</b>		
7 & 8	10 Aug – 23 Aug	 Worksheet  Memo
		<b>Watch the following videos</b>  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
		<b>Saturday feedback video:</b> 15 & 22 August Watch a video on answers to frequently asked questions

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