

**SRI LANKAN SCHOOL - MUSCAT- ACADEMIC YEAR 2016 /2017**

**SCHEMES OF WORK**

**CLASS : Year 13R Double Maths**

**Subject:Further Mathematics**

**TEACHER : M.A.M.Ilyas**

Month	No.of Periods	Unit No.	TOPIC / DETAILS	Chapter	ILO	Date covered	Remarks
<b>Module F1</b>							
week 1	8	1	Complex numbers	1.1 - 18			
week 2	20	2 & 3	Numerical solutions of equations, Coordinate systems	2.1-2.3 , 3.1-3.3			
week 3	<b>EID ALHA FESTIVAL</b>						
week 4	20	4 & 5	Matrix algebra , Series	4.4-4.11, 5.1-5.4			
week 5	20	6 & 7	Proof by mathematical induction , Quadretic equn	6.1-6.4 , 7.1-7.5			
<b>Module M2</b>							
week 6	16	1&2	Kinematics of a particle moving in a straight line or on a plane & Centre of Mass	1.1 -1.3 , 2.1-2.6			
week 7	20	3	Work , Energy & Power	3.1-3.4			
week 8	20	4	Collisions	4.1-4.5			
week 9	20	5	Statics of Rigid bodies	5.1-5.4			
week 10	16		Unit Test & Revision	F1 & M2			
<b>Module F2</b>							
week 11	20	1 & 2	Inequalities Series	1.1-1.2, 2.1			
week 12	20	3	Further Complex numbers	3.1 - 3.9			
week 13	12	4	First order differential equation	4.1-4.4			
week 14	20	5	Second order differential equation	5.1-5.6			
week 15	12	6	Maclaurin & Taylor Series & First Term Test	6.1-6.5			
week 16	<b>Term Test</b>						
week 17	<b>Paper Correction , Paper Discussion &amp; PTI</b>						
week 18	<b>Vacation</b>						
week 19	<b>Vacation</b>						
week 20	20	7	Polar coordinates	7.1-7.5			
<b>Module M3</b>							
week 21	20	1,2	Further Kinematics , Elastic strings and springs	1.1 -1.2 , 2.1-2.4			
week 22	20	3 , 4	Further Dynamics , Motion in a circle	3.1-3.5 , 4.1-4.6			
week 23	20	5	Statics of rigid bodies, & Revision and Assesment	5.1-5.4			
<b>Module F3</b>							
week 24	20	1,2,3	Hyperpolic functions , further coordinate systems , differentiation	1.1-1.5, 2.1-2.6, 3.1-3.3			
week 25	20	4, 5	Integration , Vectors	4.1-4.8 , 5.1-5.6			
week 26	20	6	Further Matrix Alfebra , Assesment & Revision	6.1-6.7			
<b>Module S2</b>							
week 27	20	1,2,3	Binnomial , Poisson Distributions and Continuous random variable	1.1-1.6,2.1-2.6,3.1-3.4			
week 28	20	4,5,6	Contiuous uniform distribution, Normal approximations , Populations and samples	4.1-4.3, 5.1-5.4, 6.1-6.7			
week 29	20	7	Testing of Hypothesis , Revision and Assesment	7.1-7.5			
week 30	20	<b>Revision and second tterm test</b>					
week 31	<b>Second Term Test &amp; Papr Correction</b>						
week 32	<b>Paper Correction , Discussion andd PTI</b>						
week 33	<b>Vacation</b>						

week 34	<b>Vacation and School Reopening</b>
week 35	<b>Seminar &amp; Revision</b>
week 36	<b>Seminar &amp; Revision</b>
week 37	<b>Seminar &amp; Revision</b>
week 38	<b>Seminar &amp; Revision</b>
week 39	<b>Seminar &amp; Revision</b>
week 39	<b>Seminar &amp; Revision</b>
week 40	<b>Edexcel Examiation</b>
week 41	<b>Edexcel Examiation</b>
week 42	<b>Edexcel Examiation</b>
week 43	<b>Edexcel Examiation</b>
week 44	<b>Edexcel Examiation</b>
week 45	<b>Thrid Term Vacation</b>