

SRI LANKAN SCHOOL - MUSCAT		SCHEME OF WORK		ACADEMIC YEAR2016 / 2017	
CLASS : 9 B,G,R		SUBJECT: Physics		TEACHER : ,Mr Dinesh Weerasinghe , Mr.Ranjana Viduransi, Thushara Perera,	
Month	No.of Periods	Intended Learning Objectives	Unit No.		Remarks
September			School Reopens - 1st Term		
Week 1	2	Formulae introduction, Calculations , large and small pressure	8.1	Pressure	
Week 2	2	Different tools, application of pressure in different conditions Incompressible, relationship between pressure and depth	8.2,8.3	The effects of pressure, Pressure in liquids	
Week 3	2			Eid Holydays	
Week 4	2	Hydraulic machines,force multiplier,hydraulicbrakes,Atmpressure	8.4,8.5	Using pressure in liquids, Pressure in gasses	
Week 5	2	pressure in tyres, link between volume and temperature	8.6	Pressure ,volume, and temperature in gases	
October					
Week 5	2	planning and after doing the experiment how make analysis	8.7	Preliminary work	
Week 6	2	formulae for density, calculations with kinds of SI units	8.8	Density	
Week 7	2	molecular explanations for dense, sinking and floating vs density	8.9	Explaining density	
Week 8	2	precision , the scientific methodologies in modern science	8.10	Questions ,evidence ,and explanations	
November					
Week 9	2	Turning forces, levers in the world around us	8.11	Levers	
Week 10	2	calculating moments, principle of equilibrium with balancing	8.12	Calculating moments	
Week 11	2	discussing the scintific approaches for planning a experiment	8.13	Planing	
Week 12	2	centre of mass, stability vs toppling	8.14	Center of mass and stability	
Week 13	2		8.15	Review and revision	
December					
Week 14	2			Revision	
Week 15				1st term end exams	
Week 16				1st term tests and report work	
Week 17,18				December Vacation	
January 2014			School Reopens - 2nd Term		
Week 19				Vacation	
Week 20	2	Strange happenings, charging explaining with molecular wise	9.1	Electrostatic phenomena	
Week 21	2	Sparks,electric shocks, reducing risk with electrostatics	9.2	Dangers of electrostatic phenomena	
Week 22	2	Touch screens, Digital cameras , devices with usage of capacitors	9.3	Digital sensors	
Week 23	2	Circuit symbols, conductors and insulators, circuit diagrams	9.4	Electric circuits	
February					
Week 23	2	Measuring current, series circuit, conventional current	9.5	Current : what is it and how we can measure it	
Week 24	2	Difference of series and parallel an outcomes of those two types	9.6	Parallel circuits	
Week 25	2	Discussion of real world models comparing outcomes of circuit	9.7,9.8	Models for electric circuits , How components affect the current	
Week 26	2	changing no of celles, resistance, or type of circuit vs voltage	9.9	Voltage	
Week 27	2	changing resistance in different methods such as length, material	9.10	Selecting ideas to test circuits	
March					
Week 27	2	Formulae of power, calculations with house hold electric supply	9.11	Energy and power	
Week 28	2	Revising the whole chapters by doing questions	9.12	Review	
Week 29	2			Revision	
Week 30	2			Revision	
Week 31				2nd term end exams	
April					
Week 31				2nd term end exams	
Week 32				2nd term end exams and report work	

Week 33				April vacation	
				School Reopens - 3rd Term	
Week 34		Difference between energy and temperature, conduction	10.1,10.2	Hot and cold	
Week 35		convection in the atmosphere, diagrammatic representations	10.3	Energy transfer: convection	
May					
Week 36		transferring, reflecting, absorbing radiation, EM spectrum	10.4	Energy transfer: radiation	
Week 37		cooling by evaporation, renewable and non renewable sources	10.5,10.6	colling by evaporation , the world's energy needs	
Week 38		how fossil fuels formed, power generation methods	10.7	Fossil fuels	
week 39		inside a generator, solar cells, heat pump	10.8,10.9	Generating electricity, Solar and geothermal	
June					
Week 40		hydroelectricity, wind, wave and tidal, payback time, fuel infuture	10.10,10.11	Renewable energy: using water and wind, Energy for the future	
Week 41		Doing questions by covering the whole chapters in the shedule	10.12	Review, Revision	
Week 42				3rd Term test	
Week 43				Paper correction and report work	
July					
Week 44				Summer vacation	