

SRI LANKAN SCHOOL - MUSCAT

SCHEME OF WORK

ACADEMIC YEAR 2016 / 2017

CLASS : YEAR 8

SUBJECT: CHEMISTRY

TEACHERS : CRISANT JAYAWARDANA

Month	No.of Periods	Unit No.	TOPIC / DETAILS	Intended Learning Objectives	Remarks
September					
School Reopens - 1st Term					
Week 1	2	6.1	Atoms	Explain what atoms/ elements are. Appreciates the importance of questions, evidence and creative thought in developing explanations.	
Week 2			EID HOLIDAYS		
Week 3	2	6.2	Elements and their symbols	Say the chemical symbols of the first twenty elements of the periodic table. Explain why scientist use symbols for elements.	
Week 4	2	6.2	----- do -----	Work sheets 6.2.1 & 6.2.2	
Week 5	2	6.3	Discovering the elements	Explain some factors that influenced when elements were discovered. (worksheet 6.3.1)	
October					
Week 5	2	6.4	Organizing the elements.	Explain how scientists asked questions , collected evidence and thought creatively to develop the periodic table. MONTHLY TEST	
Week 6	2	6.4	----- do -----	Work sheets 6.4.1 , 6.4.2 , 6.4.3 & 6.4.4 .	
Week 7	2	6.5	Interpreting data from secondary sources	Practice interpreting secondary data (worksheet 6.5.1)	
Week 8	2		----- MONTHLY TEST -----		
Week 9	2	6.6	Explaining differences between metals and non-metals.	Describe differences between metals and non-metals with explanations. (worksheets 6.6.1)	
November					
Week 10	2	6.7	What are compounds ?	Explain what a compound is . Give examples of compounds and state how their properties are different from the properties of their elements. MONTHLY TEST	
Week 11	2	6.7	----- do -----	worksheets 6.7.1 & 6.7.2	
Week 12	2	6.8	Making a compound.	Explain the stages involved in an inquiry. (worksheets 6.8.1 & 6.8.2)	
Week 13	2	6.9	Naming compounds and writing formulae.	Name compounds. Write and interpret formulae. (worksheets 6.9.1)	
December					
Week 14	2		----- REVISION -----		
Week 15	2		----- REVISION -----		
Week 16			1st Term End Exams		
Week 17			December Vacation		
Week 18			December Vacation		
JANUARY 2017					
Week 19			FINAL WEEK OF THE DECEMBER VACATION		
Week 20	2	6.10	Oxides , hydroxides , sulphates and carbonates	Name some common oxides and h hydroids. Describe one difference in the properties of metal oxides and non-metal oxides.(worksheets 6.10.1/2/3)	
Week 21	2	6.11	Chlorides	Plan investigations , present evidence and consider the evidence. (worksheets 6.11.1 & 6.11.2)	
Week 22	2	6.12	Mixtures	explain the differences between elements , mixtures and compounds. (worksheet 6.12.1)	
February					
Week 23	2	6.13	Separating mixtures- filtering and decanting	Describe how to separate mixtures by decanting and filtering. (worksheet 6.13.1) MONTHLY TEST	

Week 24	2	6.14	Separating mixtures- evaporation and distillation .	Explain how evaporation and distillation separate liquids and solids from solutions (worksheets 6.14.1 & 6.14.2)
Week 25	2	6.15	Separating mixtures - fractional distillation	Explain how fractional distillation separates mixtures of liquids with different boiling points (worksheet 6.15.1)
Week 26	2	6.16	Separating mixtures - chromatography	Explain how chromatography separates mixtures giving examples. (worksheets 6.16.1 & 6.16.2)
March				
Week 27	2	6.17	Separating metals from their ores.	Describe how to separate metals from ores. Calculate the mass of metal obtained from an ore sample . (worksheet 6.17.1)MONTHLY TEST
Week 28	2	6.17	REVISION	
Week 29	2		SECOND TERM TEST	
Week 30			SECOND TERM TEST	
April				
Week 31	2nd Term End Exams			
Week 32	Assessment and Report work			
Week 33	April Vacation			
Week 34				
Week 34	2	6.18	What are you made of ?	Name the main elements in living things. (Worksheet 6.18.1)
Week 35	2	7.1	Chemical reactions. (Combustion of Mg /C as demonstrations and other reactions given on worksheets 7.1.1 , 7.1.2 , & 7.1.3.	Explains what chemical reactions are while saying how to recognize chemical reactions. (Worksheets 7.1.1 , 7.1.2 & 7.1.3)
May				
Week 36	2	7.2	Writing word equations.	Write word equations to represent chemical reactions. (worksheets 7.2.1 , 7.2.2 & 7.2.3). MONTHLY TEST
Week 37	2	7.3	Corrosion reactions.	Explain what corrosion is while describing how to prevent iron corroding. (worksheet 7.3.1)
Week 38	2	7.4	Doing an investigation	Reinforce the stages of doing an investigation. Explains how to use chemical reactions to identify metal elements in compounds. (worksheets 7.4.1 , 7.4.2 , 7.5.1 & 7.5.2)
Week 39	2	7.5	Using reactions to identify chemicals.	
June				
Week 40	2	5.1, 5.2,5.3& 5.4	the States of matter (revision) explaining diffusion, density, gas pressure.	Describe and explain properties of substances in their solid, liquid and gas states. Identify changes of state. Use the particle theory to explain diffusion with evidence for the same. Use a formula to calculate density. Explain why different substances have different densities.(worksheets 5.1.1, 5.2.1/2, 5.3.1/2)
	2	5.4,5.5& 5.6	Explain what causes gas pressure. Air pressure vs Boiling pt. explain	
Week 41	2		REVISION	
3rd Term end exams				
July				
Week 44	Assessment and Report work			
Summer Vacation				

