

## SRI LANKAN SCHOOL - MUSCAT

## SCHEME OF WORK

ACADEMIC YEAR 2016 / 2017

CLASS : YEAR 7

SUBJECT : Chemistry

TEACHERS : Crisant Jayawardana

Month	No. of Periods	Unit No.	TOPIC / DETAILS	Intended Learning Objectives	Remarks
<b>September</b>					
<b>School Reopens - 1st Term</b>					
Week 1	2	1.1	The particle theory of matter	Explain the behavior of the substances in Solids, liquids & gases.	
Week 2	2	1.2, 1.3& 1.4	Boiling, evaporating , condensing, melting , freezing & subliming.	Name the changes of state involving liquids and gases. Explain the changes of state using ideas about particles.	
Week 3	2	1.5 & 1.6	Energy changes of state & explanation for dissolving using particle theory	Explain changes of state w r t energy and dissolving.	
Week 4	2	1.7 & 1.8	Plan an investigation. Present evidence received at their investigations.	Explain the processes in planning investigations. Draws tables/line graphs to present evidence.	
<b>October</b>					
Week 5	2	2.1 , 2.2 &2.5	Elements , metals & metal alloys	Explain materials, elements, alloys. Give examples for metals,elements,alloys, their properties and uses &different properties of alloys .MONTHLY TEST	
Week 6	2	2.3 & 2.4	Non-metal elements , Make conclusions from data given	Identify typical non-metal properties, Link the properties of non-metals to their uses. Draw conclusions from data in tables and graphs.	
Week 7	2	2.6 & 2.7	Material properties. Polymers.	Describe materials that we use in our day today lives and their physical properties. Explain polymers and their uses.	
Week 8	2	3.1	Acids and Alkalis	Give examples of acids and alkalis. Compare the properties of acids and alkalis. Make conclusions from given data.	
Week 9	2	3.2	PH scale and indicators.	Choose suitable apparatus.	
<b>November</b>					
Week 10	2	3.3	Neutralization	Explain what neutralization is. MONTHLY TEST	
Week 11	2	3.4	Planning investigations and collecting evidence.	Plan an investigation and collect evidence and use them.	
Week 12	2		REVISION		
Week 13	2		REVISION		
<b>December</b>					
Week 14			TERM 1 EXAMINATION		
Week 15			TERM 1 EXAMINATION		
Week 16					
Week 17				December Vacation	
Week 18				December Vacation	
<b>January 2014</b>					
<b>School Reopens - 2nd Term</b>					

Week 19	2	4.1	The structure of the Earth	Describe a model for the structure of the Earth. Explain how we know about the Earth's structure.	
Week 20	2				
Week 21	2	4.1.1	Minerals & rocks	Define a mineral with some examples. Define a rock with some explanation.	
Week 22	2	4.1.2	Textures of Rocks & porosity of a rock	Explain two main types of textures -Crystalline & Fragmental. Define the term porosity and measures the porosity of a rock sample.	
<b>February</b>					
Week 23	2	4.1.3	Chemical weathering	Gives explanation on Chemical weathering. MONTHLY TEST	
Week 24	2	4.1.4	Physical weathering & Biological weathering	Gives explanation on physical weathering. Give explanation on biological weathering.	
Week 25	2	4.2	Igneous rocks	Describe the properties of Igneous rocks giving some examples. Explain how Igneous rocks were formed. Link properties of igneous rocks with their uses.	
Week 26	2	4.3	Sedimentary rocks	Describe Sedimentary rock properties. Identify and name Sedimentary rocks.	
<b>March</b>					
Week 27	2	4.4	Sedimentary rock formation	Explain how sediments form rocks. REVIEW 3.5 ON PAGE 50 OF THE TET BOOK.	
Week 28	2		REVISION	MONTHLY TEST	
Week 29			SECOND TERM END EXAMINATION		
Week 30			SECOND TERM END EXAMINATION		
<b>April</b>					
Week 31	SECOND TERM EXAMINATION				
Week 32	ASSESSMENT AND REPORT PREPARATION				
Week 33	April Vacation				
<b>School Reopens - 3rd Term</b>					
Week 34	2	4.5	Metamorphic rocks	Explain how metamorphic rocks are formed. Identify Metamorphic rocks .	
Week 35	2	4.6	The rock cycle	Interpret the Rock cycle	
<b>May</b>					
Week 36	2	4.7	Science to explain predictions : volcanoes	Explain how scientists use science to explain predictions. MONTHLY TEST.	
Week 37	2	4.8	Soil	List soil components. Name soil types. Describe soil properties.	
Week 38	2	4.9 & 4.10	More about soil & fossils.	Explain why soil properties are important. State what a fossil is.	
Week 39	2	do	do	Describe how fossils form giving examples to show what we could learn from the fossil record.	
<b>June</b>					
Week 40	2	4.11	Estimating the age of the Earth.	Describe how scientist have estimated the age of the earth.	

Week 41	2	4.12	Human fossils.	Describe what fossils tell us about our human past.	
Week 42	2		REVISION	REVIEW .13 ON PAGE 76 OF THE TEXT BOOK	
Week 43	3rd Term end exams				
July					
Week 44	Assessment and Report work				
	Summer Vacation				