## **Year 8 - SCIENCE**

## **DISTANCE LEARNING PLAN**

Subject	Science	Mode of teaching
Class/ Division	Year 8 A-F	
Week	13 (22 <sup>nd</sup> Nov to 26 <sup>th</sup> November, 2020)	
No of lessons	4	
Unit	8F Periodic Table	
Lesson 1	Chapter – 8Fb Chemical Properties	
Leggon 1	LO: To know how scientists describe substances?	
	Learning Outcomes:	
	Identify a physical and a chemical change.	
	• Explain the difference between physical and chemical changes and properties.	
	<ul> <li>Use atomic theory to explain what happens during chemical reactions.</li> <li>Define chemical formula and state the difference between chemical formulae of an element and a compound.</li> </ul>	Zoom lesson
	Write and interpret chemical formulae.	
Task	Complete the text book questions.	
Resources	Text book Exploring Science (Active Learn) Pages 88 and 89 Active learn slides and PowerPoint. Text book Exploring Science (Active Learn)	
Lesson 2	Chapter – <b>8Fc Mendeleev's Table LO</b> : To know how are elements arranged in periodic table	
Task	<ul> <li>Learning Outcomes:</li> <li>Recognize Dobereiner and Newlands' contribution in classifying elements.</li> <li>Identify chemical properties of halogens, alkali metals and noble gases.</li> <li>Use the periodic table to find elements with similar properties.</li> <li>Describe some typical properties of alkali metals halogens and noble gases</li> <li>Describe how the periodic table is arranged</li> </ul> Answer the textbook questions 8Fc pages 90-91	Zoom
	Answer the textbook questions of c pages 90-91	
Resources	Text book Exploring Science (Active Learn) pages 90-91 Active learn slides and PowerPoint.	

Lesson 3	Chapter 8Fd Physical Trends	
	LO: To know what kinds of trends occur in physical properties	
	Learning Outcomes:	
	State what group and period mean in a periodic table.	
	• Locate the metals and non metals in the periodic table	
	• Explain melting, freezing and boiling points and use them to predict	
	the state of a substance.	
	• Describe and identify trends in physical properties within the periodic table.	Zoom
	<ul> <li>Identify metals and non metals by their properties and position in the</li> </ul>	
	periodic table.	
Task	Complete the textbook Questions on pages 94-95	
Resources	Exploring Science 8 International textbook pages 94-95	
Lesson 4	Reinforcement Chapter 8Fb, 8Fc and 8Fd	
	LO: Reinforcement of Physical and Chemical properties of elements and	
	Mendeleev's Periodic Table	
	Learning Outcomes:	
	Define chemical formula and state the difference between chemical	
	formulae of an element and a compound.	CC
	Write and interpret chemical formulae.	GC
	• Recognize Dobereiner and Newlands' contribution in classifying elements.	
Task	State what group and period mean in a periodic table.	
Resources	Workbook Exploring Science 8 International pages 65-67	

Homework - Workbook Exploring Science 8 International pages 69-70