

## YEAR 9 (A –F)– CHEMISTRY

**WEEK 8 (10<sup>th</sup> May to 14<sup>th</sup> May)**

**Work Sent to the students through Group email/ Google classroom**

**Unit SC7d – Bonding Models**

**Lesson Objective:** How the structure and bonding of different types of substances results in different physical properties.

**Learning Outcome:** Explain the properties of substances with the help of bonding models.

Suggest the advantages and disadvantages of each bonding model.

**Resources:** Text book, Worksheet, IGCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching	
11 <sup>th</sup> May Monday <b>(girls)</b>	7	Explain why we use models to represent structure and bonding.	<b>Zoom</b>	Teacher uses powerpoint presentation that contains interactive questions.
13 <sup>th</sup> May Wednesday <b>(boys)</b>	4	Represent structures and bonding using a variety of different models (dot and cross, ball and stick, 2D, 3D).  Describe the limitations of the different models used to represent structure and bonding (dot and cross, ball and stick, 2D, 3D).  Read pg. 49 of text bk.		
14 <sup>th</sup> May Thursday – <b>(boys)</b>	3	<b>Discuss Strength and weakness:</b> a) of dot and cross diagram of sodium chloride and methane. b) of 3D model of giant covalent structures. c) of stick bond (2D) and ball & stick model (3D)	<b>Zoom</b>	Teacher uses PowerPoint presentation and challenging questions to discuss the strength and weakness of each model.
14 <sup>th</sup> May Thursday – <b>(girls)</b>	5			
14 <sup>th</sup> May Thursday – <b>(boys)</b>	4	Discussion of worksheet questions of <b>SC 7 d.4</b> (page 64 to 66)	<b>GC</b>	Instruction will be given in the Google class room to complete the worksheet file questions.
14 <sup>th</sup> May Thursday – <b>(girls)</b>	6			