YEAR 11 G/H–CHEMISTRY (IGCSE)

WEEK 3 (13th Sept to 17th Sept)

Work Sent to the students through Google classroom/ Zoom Learning Platform
Unit 1 – Chapter 6: Chemical formulae, Equations & Calculations
Topic: Calculations - Finding formulae using experiments, moles and concentration.
Resources: Text book, Worksheet, IGCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching	
13.09.2020 Sunday	1 **11H** 6 **11G**	**Lesson Objective:** Calculating masses in reactions **Learning Outcome** :Investigation of formula of metal oxide. by combustion, reduction. Determining the formula of water and calculations involving water of crystallization.	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions.
14.09.2020 Monday	2 **11H** 5 **11G**	**Lesson Objective:** Calculating the mass of calcium oxide produced by heating of calcium carbonate **Learning Outcome:** Problems involving extraction of iron and lead.	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions.
15.09.2020 Tuesday	3 **11H** 1 **11G**	**Lesson Objective:** Calculate percentage yield **Learning Outcome** :Differentiate between percentage yield and theoretical yield Identify that percentage yield compares the actual yield and theoretical yield	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions
	4**11H** 2 **11G**	**Lesson Objective:** Identify that molar gas volume is the volume occupied by one mole of molecules of any gas. **Learning Outcome** :Use the formula n= V/Vm to calculate the amount of gas	**GC**	Instruction will be given in the GC room to complete the textbook and worksheet questions.
17.09. 2020 Thursday	5 **11H** 4 **11G**	**Lesson Objective:** Define concentration of solutions. **Learning Outcome** :Use the formula C= n/V to calculate the concentration in g/dm3	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions

YEAR 11 A/D/E – CHEMISTRY (Girls)

WEEK 3 (13th Sept to 17th Sept)

Work Sent to the students through Zoom Learning Platform / Google classroom

Topic:– Concentrations
Titrations and calculations

Resources: Text book,Worksheet, Boardworks powerpoint

Date	Lesson	Topic	Mode of Teaching	
13.09.20 Sunday	8	**Learning Objective:** Understand how to perform calculations using mass concentration and molar concentration. **Learning Outcome:** Calculate the concentrations of solutions in g dm^{-3} and mol dm^{-3}.	**Zoom**	Teacher uses powerpoint presentation that contains interactive questions, to explain the calculations of mass and molar calculations.
14.09.20 Monday	4	**Learning Objective:** Understand how to perform calculations using mass concentration and molar concentration. **Learning Outcome:** Convert concentration in g dm^{-3} into mol dm^{-3} and vice versa.	**Zoom**	Teacher uses powerpoint presentation that contains interactive questions, to explain the calculations. Instructions will be given to complete chapter questions.
16.09.20 Wednesday	8	**Learning Objective:** Describe the procedure to perform acid-alkali titration. **Learning Outcome:** Write the steps of performing an acid-alkali titration, in the correct sequence, and explain each step.	**Zoom**	Teacher uses powerpoint presentation to demonstrate the procedure of titration.
17.09.20 Thursday	5 6	**Learning Objective:** Carry out simple calculations using the results of titrations. **Learning Outcome:** Calculate an unknown concentration of a solution or an unknown volume of solution required. **Learning Objective:** To answer the questions, on Concentrations, in the worksheet. **Learning outcome:** Students will be able to reinforce the concepts	**Zoom** **GC**	Teacher uses powerpoint presentation that contains interactive questions, to explain the calculations. Worksheet assigned through GC. Instruction will be given in the GC to complete the worksheet and turn in

		learned in the previous lesson by answering the questions in the worksheet.		

HOMEWORK: Complete the textbook questions SC14c:Concentrations- page 112 and 113

YEAR 11 B/C/F – CHEMISTRY (Boys)

WEEK 3 (13th Sept to 17th Sept)

Work Sent to the students through Zoom Learning Platform / Google classroom

Topic:– Concentrations
Titrations and calculations

Resources: Text book,Worksheet, Boardworks powerpoint

Date	Lesson	Topic	Mode of Teaching	
13.09.20 Sunday	1 2	**Learning Objective:** Understand how to perform calculations using mass concentration and molar concentration. **Learning Outcome:** Calculate the concentrations of solutions in g dm^{-3} and mol dm^{-3}. Convert concentration in g dm^{-3} into mol dm^{-3} and vice versa.	**Zoom**	Teacher uses powerpoint presentation that contains interactive questions, to explain the calculations of mass and molar calculations. Instructions will be given to complete chapter questions.
14.09.20 Monday	3	**Learning Objective:** Describe the procedure to perform acid-alkali titration. **Learning Outcome:** Write the steps of performing an acid-alkali titration, in the correct sequence, and explain each step.	**Zoom**	Teacher uses powerpoint presentation to demonstrate the procedure of titration.
15.09.20 Tuesday	7	**Learning Objective:** Carry out simple calculations using the results of titrations. **Learning Outcome:** Calculate an unknown concentration of a solution or an unknown volume of solution required.	**Zoom**	Teacher uses powerpoint presentation that contains interactive questions, to explain the calculations.
17.09.20 Thursday	4	**Learning Objective:** To answer the questions, on Concentrations, in the worksheet.	**GC**	Worksheet assigned through GC. Instruction will be given in the GC to

		Learning outcome: Students will be able to reinforce the concepts learned in the previous lesson by answering the questions in the worksheet		complete the worksheet and turn in

HOMEWORK: Complete the textbook questions SC14c:Concentrations- page 112 and 113