YEAR 11 G/H–CHEMISTRY (IGCSE)

WEEK 8 (18th Oct to 22nd Oct)

Work Sent to the students through Google classroom/Zoom Learning Platform Unit 3 – Topic: Reactivity Series

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

Date	Lesson	Торіс	Mode of Teaching	
18.10.2020 Sunday	1 11 H 6 11G	Lesson Objective: Understand how metals can be arranged in a reactivity series based on their reactions with: water, dilute hydrochloric or sulfuric acid Learning Outcome: Arrange the metals in the order of reactivity. Write word equations for the reaction. Write balanced symbol equation for the reaction.	Google Meet / zoom	Teacher uses power point presentation to explain the reactivity series.
19.10.2020 Monday	2 11H 5 11G	 Lesson Objective: Understand how metals can be arranged in a reactivity series based on their displacement reactions between: metals and metal oxides metals and aqueous solutions of metal salts Learning Outcome: Arrange the metals in the order of reactivity. Deduce the relative reactivity of some metals, by their reactions with water, acids and salt solutions. 	Google Meet/ zoom	Teacher uses a PowerPoint presentation/video that contains interactive questions to find the order of reactivity of metals.

20.10.2020 Tuesday	3 11H 1 11G	 Lesson Objective: Know the order of reactivity of these metals: potassium, sodium, lithium, calcium, magnesium, aluminum, zinc, iron, and copper, silver, gold. Learning Outcome: Deduce the relative reactivity of some metals, by their reactions with water, acids and salt solutions. 	Google Meet/ zoom	Teacher uses a PowerPoint presentation/ video to explain the effect of change in concentrations on the rate of reaction.
	411H 2 11G	Lesson Objective: Know the conditions under which iron rusts Learning Outcome: Understand air/ oxygen and water as a condition for rusting.	Google Meet/ zoom	Instruction will be given in the GC room to complete the textbook and worksheet questions.
22.10. 2020 Thursday	5 11H 4 11G	 ASSESSMENT 2 Portion - Ch. 20 Rates of Reaction Learning Objective: (Assessment) To be able to apply the knowledge and understanding of the concepts of rate of reactions and factors affecting equilibrium, to answer the questions in the assessment. Learning Outcome: Students will be able to recall the concepts learned in the previous lessons and apply their knowledge and understanding to answer the questions, in the assessment. 	Google Meet zoom	Teacher will conduct the assessment through Google forms and monitor the students on Zoom.

YEAR 11 A/D/E – CHEMISTRY (GCSE)

WEEK 8 (18th October to 22nd October)

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

Topic:– SC16a: Chemical and fuel cells

Resources: Text book, Worksheet, Board works power point

Date	Торіс	
18.10.20	Learning Objective:	Teacher uses
Sunday	Recall that a chemical cell produces a voltage until one of the	power point
8 th period	reactants is used up.	presentation
o period	Learning Outcome:	with
Mode of	Define cell as device that converts chemical energy to electrical energy.	interactive
Teaching:	Explain that cell keeps on producing energy till reactants are present.	questions on
Zoom	Explain that een keeps on producing energy in reactants are present.	chemical cells.
ZUUIII	Learning Objective:	Teacher uses
19.10.20	Recall that in a hydrogen–oxygen fuel cell hydrogen and	power point
Monday 4 th period	oxygen are used to produce a voltage and water is the only	presentation with
4 period	product	interactive
Mode of	Learning Outcome: Describe the use of hydrogen – oxygen fuel cell as alternative fuels.	questions
	Describe some advantages and disadvantages of hydrogen – oxygen	questions
Teaching:		
Zoom	fuel.	TT 1 '11
31 10 30	Learning Objective: (Assessment)	Teacher will
21.10.20	To be able to apply the knowledge and understanding of the concepts of	conduct the
Wednesday	fertilisers, Haber Process, Dynamic Equilibrium and Factors affecting	assessment
8 th period	equilibrium, to answer the questions in the assessment.	through
	Learning Outcome:	Google forms
Mode of	Students will be able to recall the concepts learned in the previous	and monitor
Teaching:	lessons and apply their knowledge and understanding to answer the	the students on
Zoom	questions, in the assessment.	Zoom.
22.10.20	Learning Objective:	Teacher uses
Thursday	Evaluate the strengths and weaknesses of fuel cells for given uses	power point
5 th Period	Learning Outcome:	presentation
Mode of	Analyses the use of fuel cell by giving its advantages and disadvantages.	with
Teaching:		interactive
Zoom		questions
22.10.20	Learning Objective: To answer the questions, on Chemical and Fuel	Worksheet
Thursday	Cells, in the worksheet.	assigned
6 th Period	Learning outcome: Students will be able to reinforce the concepts	through GC.
	learned in the previous lesson by answering the questions in the	Instruction wil
Mode of	worksheet.	be given in the
Teaching:		GC to
GC		complete the
		worksheet.
	K: Complete the textbook questions SC16e:Chemical and fuel calls _ page	

HOMEWORK: Complete the textbook questions SC16a:Chemical and fuel cells - page 124 - 125

YEAR 11 B/C/F – CHEMISTRY (GCSE)

WEEK 8 (18th October to 22nd October)

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

Topic:– SC16a: Chemical and fuel cells

Resources: Text book, Worksheet, Board works power point

Date	Topic					
18.10.20	Learning Objective: (Assessment)	Teacher will				
Sunday	To be able to apply the knowledge and understanding of the concepts of	conduct the				
1 st Period	fertilisers, Haber Process, Dynamic Equilibrium and Factors affecting	assessment				
1 101104	equilibrium, to answer the questions in the assessment.	through				
Mode of	Learning Outcome:	Google forms				
Teaching:	Students will be able to recall the concepts learned in the previous	and monitor				
Zoom	lessons and apply their knowledge and understanding to answer the	the students on				
	questions, in the assessment.	Zoom.				
18.10.20	Learning Objective:	Teacher uses				
Sunday	Recall that a chemical cell produces a voltage until one of the	power point				
2 nd Period	reactants is used up.	presentation				
	Learning Outcome:	with				
Mode of	Define cell as device that converts chemical energy to electrical energy.	interactive				
Teaching:	Explain that cell keeps on producing energy till reactants are present.	questions to				
Zoom		understand the				
		concept of				
		chemical cell.				
19.10.20	Learning Objective:	Teacher uses				
Monday	Recall that in a hydrogen–oxygen fuel cell hydrogen and	power point				
3 rd Period	oxygen are used to produce a voltage and water is the only	presentation				
	product	with				
Mode of	Learning Outcome:	interactive				
Teaching:	Describe the use of hydrogen – oxygen fuel cell as alternative fuels.	questions				
Zoom	Describe some advantages and disadvantages of hydrogen – oxygen					
	fuel.					
20.10.20	Learning Objective:	Teacher uses				
Tuesday	Evaluate the strengths and weaknesses of fuel cells for given uses	power point				
7 th Period	Learning Outcome:	presentation				
M.Jf	Analyses the use of fuel cell by giving its advantages and disadvantages.	and uses				
Mode of		textbook				
Teaching: Zoom		questions.				
22.10.20	Learning Objective: To answer the questions, on Chemical and Fuel	Worksheet				
Thursday	Cells, in the worksheet.	assigned				
4 th Period	Learning outcome: Students will be able to reinforce the concepts	through GC.				
+ 1 CHUU	learned in the previous lesson by answering the questions in the	Instruction will				
Mode of	worksheet.	be given in the				
Teaching:		GC to				
GC		complete the				
		worksheet.				
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HOMEWORK: Complete the textbook questions SC16a: Chemical and fuel cells - page 124 - 125