YEAR 11 A/D/E – CHEMISTRY (Girls)

WEEK 6 (4th October to 8th October)

Work Sent to the students through Zoom Learning Platform / Google classroom
Topic:– GL Practice and Science GL exam

Resources: Text book, Worksheet, Board works power point

Date	Topic	
04.10.20 Sunday 8th period **Mode of Teaching:** Zoom	**Learning Objective:** To reinforce the concepts of atomic structure, periodic table, structure, bonding and properties of matter, chemical changes and energy changes in Chemistry. **Learning Outcome:** Students will be able to recall the concepts learned in the previous lessons and apply their knowledge to answer the questions, in the GL practice worksheet.	Teacher discusses the questions in the GL practice worksheets assigned and clarifies doubts.
05.10.20 Monday 4th period **Mode of Teaching:** Zoom	**Learning Objective:** To reinforce the concepts of rate and extent of chemical change, chemical analysis, chemical and allied industries, earth and atmospheric science, in Chemistry, in the GL practice worksheet. **Learning Outcome:** Students will be able to recall the concepts learned in the previous lessons and apply their knowledge to answer the questions, in the GL practice worksheet.	Teacher discusses the questions in the GL practice worksheets assigned and clarifies doubts.
07.10.20 Wednesday 8th period **Mode of Teaching:** Zoom	**Learning Objective: (Assessment)** To be able to apply the knowledge and understanding of the concepts of yields, atom economy, concentration, titration calculations and molar volume of gases, 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.	Teacher will conduct the assessment through Google forms and monitor the students on Zoom.
08.10.20 Thursday 5th and 6th Period	**Science GL Exam**	Class Teacher will conduct the GL exam and monitor the students on Zoom

HOMEWORK: Answer the questions in the GL Practice worksheet.

YEAR 11 B/C/F – CHEMISTRY (Boys)

WEEK 6 (4th October to 8th October)
Work Sent to the students through Zoom Learning Platform / Google classroom
Topic:– SC12a: Dynamic Equilibrium
Resources: Text book, Worksheet, Board works power point

Date	Topic	
04.10.20 Sunday 1st Period **Mode of Teaching:** Zoom	**Learning Objective:** To reinforce the concepts of atomic structure, periodic table, structure, bonding and properties of matter, chemical changes and energy changes in Chemistry. **Learning Outcome:** Students will be able to recall the concepts learned in the previous lessons and apply their knowledge to answer the questions, in the GL practice worksheet.	Teacher discusses the questions in the GL practice worksheets assigned and clarifies doubts.
04.10.20 Sunday 2nd Period **Mode of Teaching:** Zoom	**Learning Objective:** To reinforce the concepts of rate and extent of chemical change, chemical analysis, chemical and allied industries, earth and atmospheric science, in Chemistry, in the GL practice worksheet. **Learning Outcome:** Students will be able to recall the concepts learned in the previous lessons and apply their knowledge to answer the questions, in the GL practice worksheet.	Teacher discusses the questions in the GL practice worksheets assigned and clarifies doubts.
05.10.20 Monday 3rd Period **Mode of Teaching:** Zoom	**Learning Objective:** Recall the conditions for the Haber process as: a) temperature 450 °C b) pressure 200 atmospheres c) iron catalyst. Predict how the position of a dynamic equilibrium is affected by changes in: a) temperature b) pressure c) concentration. **Learning Outcome:** Analyse the conditions for the Haber process as: a) temperature 450 °C b) pressure 200 atmospheres c) iron catalyst Explain how the position of a dynamic equilibrium is affected by changes in: a) temperature b) pressure c) concentration	Teacher uses powerpoint presentation to explain the conditions for the Haber process.
06.10.20 Tuesday 7th Period	**Learning Objective: (Assessment)** To be able to apply the knowledge and understanding of the concepts of yields, atom economy, concentration, titration calculations and molar volume of gases, to answer the questions in the assessment.	Teacher will conduct the assessment through Google

Mode of Teaching: Zoom	**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.	forms and monitor the students on Zoom.
08.10.20 Thursday 4th Period **Mode of Teaching:** GC	**Learning Objective:** To answer the questions, on Dynamic Equilibrium, in the worksheet. **Learning outcome:** Students will be able to reinforce the concepts learned in the previous lesson by answering the questions in the worksheet.	Worksheet assigned through GC. Instruction will be given in the GC to complete the worksheet.

HOMEWORK: Complete the textbook questions SC12a:Dynamic equilibrium- page 94 - 95

YEAR 11 G/H–CHEMISTRY (IGCSE)

WEEK 6 (4th Oct to 8th Oct)

Work Sent to the students through Google classroom/Zoom Learning Platform
Unit 3 – Chapter 20: Rates of reaction & GL Practice
Topic: Investigating the factors affecting the rate of reactions
Resources: Text book, Worksheet, IGCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching	
04.10.2020 Sunday	1 11**H** 6 **11G**	**Lesson Objective:** Explain effects of changes in surface area of a solid, concentration of a solution, pressure of a gas and temperature on the rate of a reaction in terms of particle collision theory **Learning Outcome:** State the collision theory of reactions. Demonstrate the meaning of successful collisions. Discuss the role of energy in collisions during the reaction. Correlate the collision frequency with rate of a reaction.	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions to explain the factors affecting rate of reactions.

05.10.2020 Monday	2 **11H** 5 **11G**	**Lesson Objective:** Assessment 1 on the topic calculations and energetics **Learning Outcome**: Reinforce and assess the attainment of the concepts related to calculations involving, moles, reacting masses and limiting reactant. Also analyse the skill to interpret the experiments in energetic.	**Zoom**	Teacher uses Google forms questions.
06.10.2020 Tuesday	3 **11H** 1 **11G**	**Lesson Objective:** To revise and reinforce previously studied concepts as GL practice. **Learning Outcome**: To assess the understanding and application of chemical calculations involving reacting masses and different types of bonding.	Zoom	Teacher uses google forms to practice multiple choice questions.
	4**11H** 2 **11G**	**Lesson Objective:** To revise and reinforce previously studied concepts as GL practice. **Learning Outcome**: To assess the understanding and application of concepts such as atomic structure, acids and bases and pH of substances.	**Zoom**	Instruction will be given in the GC room to complete the worksheet questions.
08.10. 2020 Thursday	5 **11H** 4 **11G**	**Lesson Objective:** Sketch energy profile diagrams showing ΔH and activation energy. Know that a catalyst is a substance that increases the rate of a reaction, but is chemically unchanged at the end of the reaction **Learning Outcome**: Define catalyst. Recognize catalysts in the reaction.` Discuss the effect of catalyst on the rate of reaction.	**GC**	Teacher uses PowerPoint presentation that contains interactive questions. Teacher uses textbook and worksheet questions to understand the concept of catalysts.

		Draw and explain reaction profile diagrams showing ΔH and activation energy		