YEAR 11 A/D/E – CHEMISTRY (Girls)

WEEK 2 (6th Sept to 10th Sept)

Lesson Objectives: Calculate the atom economy of a reaction forming a desired product.

Explain why a particular reaction pathway is chosen to produce a specified product, given appropriate data such as atom economy, yield, rate, equilibrium position and usefulness of by-products.

Calculate the concentrations of solutions in mol dm^{-3} and convert concentration in g dm^{-3} into mol dm^{-3} and vice versa.

Learning Outcomes:

- ◆ Calculate the atom economy for forming a desired product in a reaction.
- Explain how atom economy and yield determine the choice of reaction pathway.
- State the meaning of the term concentration.
- Calculate concentration in mol dm^{-3} and g dm^{-3} .
- Convert concentration in g dm^{-3} into concentration in mol dm^{-3} and vice versa.

Resources: Text book, Worksheets, video, power point presentation.

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

Date	Lesson	Торіс	Mode of	
			Teaching	
06.09.2020	8	Atom Economy	Zoom	Teacher uses powerpoint
Sunday		Calculate atom economy for		presentation that contains
		the given process.		interactive questions.
		Appreciate the advantage of		
		high atom economy.		
07.09.2020	4	Atom Economy	GC	Teacher uses worksheet that
Monday		Explain how atom economy		contains interactive questions.
		and yield determine the choice		Instructions will be given to
		of reaction pathway.		complete chapter questions and
		Discussion of Chapter		worksheet.
		Questions & Worksheet		
		questions.		
09.09.2020	8	Concentrations	Zoom	Teacher uses powerpoint
Wednesday		State the meaning of the term		presentation that contains
		concentration.		interactive questions.
		Calculate concentration in mol		
		dm^{-3} and g dm^{-3} .		
10.09.2020		Concentrations	Zoom	Teacher uses powerpoint
Thursday	5	Convert concentration in g		presentation that contains
		dm^{-3} into concentration in mol		interactive questions.
		dm^{-3} and vice versa.		Instructions will be given to
	-	Discussion of Chapter		complete chapter questions and
	6	Questions		worksheet.

YEAR 11 B/C/F - CHEMISTRY (Boys)

WEEK 2 (6th Sept to 10th Sept)

Lesson Objectives: Calculate the atom economy of a reaction forming a desired product.

Explain why a particular reaction pathway is chosen to produce a specified product, given appropriate data such as atom economy, yield, rate, equilibrium position and usefulness of by-products.

Calculate the concentrations of solutions in mol dm^{-3} and convert concentration in g dm^{-3} into mol dm^{-3} and vice versa.

Learning Outcomes:

- ◆ Calculate the atom economy for forming a desired product in a reaction.
- Explain how atom economy and yield determine the choice of reaction pathway.
- State the meaning of the term concentration.
- Calculate concentration in mol dm^{-3} and g dm^{-3} .
- Convert concentration in g dm^{-3} into concentration in mol dm^{-3} and vice versa.

Resources: Text book, Worksheets, video, power point presentation.

Date	Lesson	Торіс	Mode of	
			Teaching	
06.09.2020		Atom Economy	Zoom	Teacher uses powerpoint
Sunday	1	Calculate atom economy for the		presentation that contains
		given process.		interactive questions
		Appreciate the advantage of		
		high atom economy.		
	2	Explain how atom economy and		
		yield determine the choice of		Instructions will be given to
		reaction pathway.		complete chapter questions and
		Discussion of Chapter Questions		worksheet.
		& Worksheet questions.		
07.09.2020	3	Concentrations	Zoom	Teacher uses powerpoint
Monday		State the meaning of the term		presentation that contains
		concentration.		interactive questions
		Calculate concentration in mol		
		dm^{-3} and g dm^{-3} .		
08.09.2020	7	Concentrations	Zoom	Teacher uses powerpoint
Tuesday		Convert concentration in $g dm^{-3}$		presentation that contains
		into concentration in mol dm^{-3}		interactive questions
		and vice versa.		
10.09.2020	4	Concentrations	GC	Teacher uses worksheet that
Thursday		Discussion of Chapter Questions		contains interactive questions.
		& Worksheet questions		Instructions will be given to
				complete chapter questions and
				worksheet.

Work Sent to the students through Group email/ Google classroom