YEAR 10 A/D/E–PHYSICS (girls)

WEEK 8 (10th May to 14th May)

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

Topic: Specific heat capacity and latent heat

Lesson Objective: To define specific heat capacity and latent heat, apply the formula to calculate specific heat capacity and latent heat

Resources: Text book, Worksheet file, video, power point presentation, online simulations

Date	Lesson	Lesson objectives & Learning outcome	Mode of Teaching	
10th May Sunday	1	**L.O**-To define specific heat capacity and apply its formula **Learning Outcome:** *Identify the factors affecting specific heat capacity* *Applies formula in solving numerical problems*	**Zoom**	Teacher uses power point presentation to discuss the factors affecting specific heat capacity of a substance and familiarize students with equation to calculate specific heat capacity
	2	**L.O**-Investigating Specific heat capacity **Learning Outcome:** *Students are able to summarize their findings in the form of a table.* *Realize that the specific heat capacity is unique for a substance.*	**Zoom**	Teacher uses power point presentation and breakout sessions for students to work in group and to collaborate and analyze the data collected. http://employees.oneonta.edu/viningwj/sims/specific_heat_s.html
12th May Tuesday	5	**L.O:** Solving worksheet **Learning Outcome:** *Students solve problems using the formula and recognizes the real life applications of specific heat capacity*	**Google classroom**	Instruction will be given in the Google class room to complete the worksheet questions.

13th May Wednesday	1	**L.O**-To define latent heat and analyze heating curve of a substance **Learning Outcome:** *Students define latent heat and differentiate it from specific heat capacity.* *Identify each stage in the heating curve and summarize the changes.*	**zoom**	Teacher uses powerpoint presentation to discuss what is specific latent heat and its equation and a video to analyze heating curve https://www.youtube.com/watch?v=hklSXPv2vrQ

YEAR 10 B/C/F–PHYSICS (boys)

WEEK 8 (10th May to 14th May)

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

Topic : Specific heat capacity and latent heat

Lesson Objective: To define specific heat capacity and latent heat, apply the formula to calculate specific heat capacity and latent heat

Resources: Text book, Worksheet file, video, power point presentation, online simulations

Date	Lesson	Topic	Mode of Teaching	
12th May Tuesday	6	**L.O**-To define specific heat capacity and apply its formula **Learning Outcome:** *Identify the factors affecting specific heat capacity* *Applies formula in solving numerical problems*	**Zoom**	Teacher uses power point presentation to discuss the factors affecting specific heat capacity of a substance and familiarize students with equation to calculate specific heat capacity
13th May Wednesday	7	**L.O**-Investigating Specific heat capacity **Learning Outcome:** *Students are able to summarize their findings in the form of a table.* *Realize that the specific heat capacity is unique for a substance*	**Zoom**	Teacher uses power point presentation and breakout sessions for students to work in group and to collaborate and analyze the data collected. http://employees.oneonta.edu/viningwj/sims/specific_heat_s.html

	8	**L.O:** Solving worksheet **Learning Outcome:** *Students solves problems using the formula and recognizes the real life applications of specific heat capacity*	**Google classroom**	Instruction will be given in the Google class room to complete the worksheet questions.
14th May Thursday	3	**L.O**-To define latent heat and analyze heating curve of a substance **Learning Outcome:** *Students define latent heat and differentiate it from specific heat capacity.* *Identify each stage in the heating curve and summarize the changes.*	**zoom**	Teacher uses powerpoint presentation to discuss what is specific latent heat and its equation and a video to analyze heating curve https://www.youtube.com/watch?v=hklSXPv2vrQ

YEAR 10 G/H (IGCSE)- PHYSICS

WEEK 8 (10th May to 14th May)

Work sent to the students through Google classroom

Topic: Unit 5.18 Density and pressure

Lesson Objective: explanation of working principle of barometer and manometer and finding density of regular solid, irregular solid , liquid and compare the densities.

Resources: Text book, Worksheet file, interactive power point and online simulations.

Date	Class	Lesson	Mode of teaching	Topic and learning outcome	
	10 G	6	GC	**LO-** describe the working principle of barometer and manometer.	Teacher will send ppt that contains the

10th May Sunday	10 H	6	Zoom	**Learning out come-** Describe the working principle of barometer and manometer. Use the equation of pressure to solve the questions.	topics well; through Google class room.
11th May Monday	10 G 10 H	4 4	GC Zoom	**LO-** Solving questions on barometer and manometer. **Learning outcome** Apply the concept of barometer and manometer to solve the exam style questions.	Teacher will send ppt that contains the exam style questions and answers which is explained well through google class room and discuss the topics
13th May Wednesday	10 G 10 H	**5** **5**	**GC**	**LO-** Investigate the density of regular /irregular solids and liquids **Learning outcome** List and describe how to use the apparatus to investigate density. Identify data to be collected Suggest the possible error and how that could be rectified.	Instruction will be given in the Google class room to complete the task
	10 G 10H	**6** **6**	**GC** **Zoom**	**LO-** Investigate the density of regular /irregular solids and liquids Students will be able to collect the data, find the density and compare the densities	Clear instructions will be given in the Google class room /zoom session to complete the task