

YEAR 9 A- F – PHYSICS (GCSE)

WEEK 8 (18th October to 22nd October)

Work Sent to the students through Google classroom

Topic: Stored Energies & Non – Renewable Resources

Resources: Worksheet, GCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching	
18 th Oct Sunday (Girls)	4	<p>Learning Objective :</p> <ul style="list-style-type: none"> • Discuss textbook questions and problems on conservation of energy. <p>Learning outcome:</p> <ul style="list-style-type: none"> • Students will be able to reinforce the concepts learned in the previous lesson by answering the questions and solving the problems. 	Zoom	Teacher uses power point presentation to discuss the text book questions and problems.
20 th Oct Tuesday (Girls) 22 nd Oct Thursday (Boys)	3 6	<p>Learning Objective :</p> <ul style="list-style-type: none"> • Describe the main energy sources available for use on Earth (including fossil fuels, nuclear fuel, wind, hydro-electricity, the tides and the Sun), and compare the ways in which both renewable and non-renewable sources are used. • Explain patterns and trends in the use of energy resources. <p>Learning outcome:</p> <ul style="list-style-type: none"> • List the non-renewable energy resources in use today. • Describe the advantages and disadvantages of non-renewable energy resources. • Compare the advantages and disadvantages of non-renewable energy resources. • Explain how the use of non-renewable energy resources is 	Zoom	Teacher uses power point presentation that contains interactive questions.

		changing.		
20 th Oct Tuesday (Girls)	4	<p>Learning Objective : Solving worksheet on non-renewable energy resources.</p> <p>Learning outcome: Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet.</p>	GC	Worksheet assigned through GC. Instruction will be given in GC to complete the worksheet.
18 th Oct Sunday (Boys)	8	<p>Learning Objective :</p> <ul style="list-style-type: none"> • Apply the knowledge of conservation of energy in a moving pendulum, roller coaster, bouncing ball etc. <p>Learning outcome :</p> <ul style="list-style-type: none"> • Work out the conservation of energy problems. • Use $GPE = KE$ for numerical calculations • Describe the concepts that decrease in gravitational potential energy equals the increase in kinetic energy with few examples. 	Zoom	Teacher uses power point presentation that contains interactive questions.
22 nd Oct Thursday (Boys)	5	<p>Learning Objective : Solving worksheet on conservation of energy.</p> <p>Learning outcome: Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet.</p>	GC	Worksheet assigned through GC. Instruction will be given in the GC to complete the worksheet

