YEAR 9 GCSE (A- F) – PHYSICS

WEEK 6 (4th Oct to 8th Oct)

Work Sent to the students through Google classroom

Topic: Stored Energies

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

Date	Lesson	Topic	Mode of Teaching	
4th October Sunday **(Girls)** 4th October Sunday **(Boys)**	4 8	**Learning objective:** • Discuss and revise the previous week topics. **Learning outcome:** • The students will be able to reinforce the concepts by clarifying their doubts on the revision topics.	**Zoom**	The teacher revises and reinforces the topics students find difficulty.
6th October Tuesday **(Girls)** 8th October Thursday **(Boys)**	3 5	**Learning Objective :** • Recall and use the equation to calculate the change in gravitational PE when an object is raised above the ground. $\Delta GPE = m \times g \times \Delta h$ • Recall and use the equation to calculate the amounts of energy associated with a moving object. $KE = ½ \times m \times v^2$ **Learning outcome :** • Describe how different factors affect the gravitational potential energy stored in an object. • Recall and use the equation for gravitational potential energy. • Describe how different factors affect the kinetic energy stored in an object. • Recall and use the equation for kinetic energy.	**Zoom**	Teacher uses power point presentation that contains interactive questions.

6th October Tuesday **(Girls)** 8st October Thursday **(Boys)**	4 6	**Learning Objective :** • Use the given worksheet to solve numerical problems. **Learning outcome:** • Recognise and make use of appropriate units in calculations. • Use the equation $\Delta GPE = m \times g \times \Delta h$ and $KE = \frac{1}{2} \times m \times v^2$ • Substitute numerical values into algebraic equations using appropriate units for physical quantities.	**GC**	Worksheet assigned through GC. Instruction will be given in the GC to complete the worksheet.