

YEAR 13 A/ B –PHYSICS

WEEK 10 (1st Nov to 5th Nov) - 3 lessons for both batches

Work sent to the students through: Whatsapp group / Google classroom / Zoom Learning Platform

Topic: - 7.3 – Magnetic fields

Resources: Student text book, interactive power point, Board works, worksheet file and online videos/animations

Date	Lesson	Lesson objectives & Learning outcome	Mode of teaching	
3 rd Nov Tuesday - 13 A	5	L.O – Appreciate that a force acts on a current-carrying conductor placed in a magnetic field	Zoom	Teacher uses boardworks & ppt to explain the origin of the catapult force after visualising the two magnetic fields involved and considering the spacing of the field lines.
3 rd Nov Tuesday - 13 B	6	Learning outcomes- <ul style="list-style-type: none"> • Recognize the effect of magnetic field on charges moving through a magnetic field. • Identify the factors affecting the force on a current carrying conductor in a magnetic field and to predict the nature of relationship in each case. • Use Fleming’s left hand rule to predict the direction of force. 		
5 th Nov Thursday - 13 A	1	L.O – Demonstrate the force on a current-carrying conductor in a magnetic field.	Zoom	Teacher uses online/ virtual expts to demonstrate the the factors affecting the force on a current-carrying conductor in a magnetic field.
5 th Nov Thursday - 13 B	3	Learning outcomes- <ul style="list-style-type: none"> • Discuss the factors that alter the magnitude and direction of the force. • Plan an experiment with electronic balance to investigate $F = BIl$ • Interpret the gradient of $F-I$, $F-B$ and $F-l$ graphs. • Predict the variation of force when the conductor is parallel and perpendicular to the field lines. 		
5 th Nov Thursday	2	Learning Objective: (ASSESSMENT) Apply the knowledge and understanding of	Zoom	Teacher will

<p>- 13 A 5th Nov Thursday - 13 B</p>	<p>4</p>	<p>the concepts of capacitor basics, charging and discharging capacitors and the graphs to answer the questions in the assessment.</p> <p>Learning Outcome: Students will be able to recall the concepts learned and apply their knowledge and understanding to answer the questions, in the assessment.</p>	<p>conduct the assessment with multiple choice and structured questions through Google forms and monitor the students on Zoom</p>
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