

YEAR 11 (A/D/E) – PHYSICS

WEEK 8 (10th May to 14th May)

Total number of lessons - 5

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

| Date | Lesson | Topic | Mode of Teaching | |
|--------------------------------|---------------|--|------------------------------|--|
| 11 th May Monday | 5 | <p>Physical quantity- Prefixes and Homogeneity (cont.) (worksheet discussion)</p> <p>Learning outcome:</p> <ul style="list-style-type: none"> • Recall common metric prefixes and their exponential values. • Convert from one exponential factor to another for a given unit. <p>Can check the homogeneity of physical equations using S.I. base units</p> | Zoom | <p>Teacher uses the worksheet turned in to check whether the objectives are attained.</p> <p>Resources: Worksheet and PowerPoin</p> |
| 12 th May Tue | 1 | <p>L.O-Research about Joint European Torus Fusion reactor.</p> <p>Learning outcome- Recognize what is a Tokomak Describe the condition needed for fusion reaction to occur in Tokomak. Realise why haven't practical fusion Power Stations been developed yet</p> | Asynchronous learning | <p>Teacher uses the short note turned in by students in Google classroom to check whether the objectives are attained</p> <p>Resources https://www.theregister.co.uk/2017/09/25/geeks_guide_jet/ https://www.youtube.com/watch?v=IU7oMISRS2Y</p> |
| 12 th May Tue | 3 | <p>Estimation LO- estimate orders of magnitudes of a range of physical quantities</p> <p>Learning outcome</p> <ul style="list-style-type: none"> • be able to estimate values for physical quantities and use their estimate to solve problems • apply physical principles in unfamiliar circumstances. | Zoom | <p>Teacher uses interactive power point presentation and breakout sessions for students to collaborate and analyze the problems given</p> <p>Resources: PowerPoint https://www.youtube.com/watch?v=jPm_5eNy1MU</p> |

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| 14 th May Thurs | 5 | Worksheet on Estimation Learning outcome : <ul style="list-style-type: none"> Be able to estimate values for some physical quantities | GC | Teacher uses the worksheet turned in by students to check whether the objectives are attained. Resources: Worksheet |
| 14 th May Thurs | 6 | Worksheet on Estimation Learning outcome : <ul style="list-style-type: none"> Can perform an order of magnitude and calculation to determine the approximate value of the physical quantities in SI units. | GC | Teacher uses the worksheet turned in by students to check whether the objectives are attained. Resources : worksheet |

YEAR 11 (B/C/F) – PHYSICS

WEEK 8 (10th May to 14th May)

Total number of lessons - 5

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

| Date | Lesson | Topic | Mode of Teaching | |
|--------------------------------|--------|--|-----------------------|---|
| 10 th May Sunday | Zero | Physical quantity- Prefixes and Homogeneity (cont.) (worksheet discussion) Learning outcome: <ul style="list-style-type: none"> Recall common metric prefixes and their exponential values. Convert from one exponential factor to another for a given unit. check the homogeneity of physical equations using S.I. base units | Zoom | Teacher uses the worksheet turned in to check whether the objectives are attained. Resources: Worksheet and PowerPoint |
| 10 th May Sunday | 3 | L.O -Research about Joint European Torus Fusion reactor. Learning outcome- Recognize what is a Tokomak? Describe the condition needed for fusion reaction to occur in Tokomak. Realise why haven't practical fusion Power Stations been developed yet. | Asynchronous learning | Teacher uses the short note turned in by students in Google classroom to check whether the objectives are attained Resources https://www.theregister.co.uk/2017/09/25/geeks_guide_jet/ |

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|-------------------------------|---|---|-------------|--|
| | | | | https://www.youtube.com/watch?v=IU7oMISRS2Y |
| 11 th May Mon | 3 | <p>Estimation LO- estimate orders of magnitudes of a range of physical quantities</p> <p>Learning outcome</p> <ul style="list-style-type: none"> • be able to estimate values for physical quantities and use their estimate to solve problems • apply physical principles in unfamiliar circumstances. | Zoom | <p>Teacher uses interactive power point presentation and breakout sessions for students to collaborate and analyze the problems given</p> <p>Resources: PowerPoint https://www.youtube.com/watch?v=jPm_5eNy1MU</p> |
| 12 th May Tue | 8 | <p>Worksheet on Estimation</p> <p>Learning outcome :</p> <ul style="list-style-type: none"> • Be able to estimate values for some physical quantities | GC | <p>Teacher uses the worksheet turned in by students to check whether the objectives are attained.</p> <p>Resources: Worksheet</p> |
| 14 th May Thurs | 7 | <p>Worksheet on Estimation</p> <p>Learning outcome :</p> <ul style="list-style-type: none"> • Can perform an order of magnitude and calculation to determine the approximate value of the physical quantities in SI units. | GC | <p>Teacher uses the worksheet turned in by students to check whether the objectives are attained.</p> <p>Resources : worksheet</p> |