YEAR 13A/ B –PHYSICS

WEEK 8 (10th May to 14th May) 3 lessons for both batches

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

Topic: - Research work on application of various topics covered during the course of study.

Resources: Student text book, https://www.electronics-tutorials.ws/transformer/three-phase-transformer.html
https://wwwf.imperial.ac.uk/blog/physics-of-cooking/about/

Date	Class	Lesson	Lesson objectives & Learning outcome	Mode of teaching	
11th May Monday **12th** May Tuesday	**13 B** **13 A**	6 4	**L.O-**Apply and extend the knowledge gained on series and parallel circuits **Learning Outcome-** Students will be able to examine Delta –Wye circuits to transform and simplify it to series parallel network.	**Zoom**	Teacher uses power point presentation and worksheets to guide students through the process.
11th May Monday **14th** May Thursday	**13 B** **13 A**	7 1	**L.O -** Explore how traditional and modernist cooking techniques can illuminate basic principles in physics. **Learning Outcome-**Be able to explore the scientific concept of elasticity, which influences the texture of food, and how it changes during cooking. Students will learn to think like both a chef and a scientist.	**GC**	Guidelines will be provided through Google classroom and Whatsapp group communications
13th May Wednesday **14th** May Thursday	**13 B** **13 A**	3 2	**L.O -** Explore how traditional and modernist cooking techniques can illuminate basic principles in physics. **Learning Outcome-** Research about what determines viscosity and identify different ways to	**Asynchronous learning**	Students should write a report or prepare a PowerPoint presentation.

			change the viscosities of foods (mainly liquid forms) Students will learn to think like both a chef and a scientist.		

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Resources: Student text book, interactive power point, and online

Date	Class	Lesson	Lesson objectives & Learning outcome	Mode of teaching	
11th May Monday **12th** May Tuesday	**13 A** **13 B**	1 6	**L.O-** Consolidate and present the research work given last week on electric and magnetic effects of current. **Learning Outcome-** Students will be able to appreciate the importance of electromagnetism in the various fields including medical and industrial.	**Zoom**	Teacher uses power point presentation and worksheets to guide students through the process.
11th May Monday **14th** May Thursday	**13 A** **13 B**	2 3	**L.O -** Explore how Particle physics has revolutionized the way we look at the universe and made a significant impact on various fields of science. **Learning Outcome:** Be able to appreciate how the impact of particle physics goes far beyond the laboratory and the textbook.	**GC**	Guidelines will be provided through Google classroom and Whatsapp group communications
12th May Tuesday	**13 A**	5	**L.O -** Explore how Particle physics has revolutionized the way we look at the universe and made a	**Asynchro nous learning**	Students should write a report or prepare a

14th May Thursday	**13 B**	4	significant impact on various fields of science **Learning Outcome:** Be able to appreciate how particle physics is an important driver of new technologies which can stimulate industrial growth. Research on how Particle physics technologies are applied in: medical science; information technology and electronics; life sciences and engineering.		PowerPoint presentation.