

YEAR 13A/ B –PHYSICS

WEEK 9 (17th May to 21st 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.

Date	Class	Lesson	Lesson objectives & Learning outcome	Mode of teaching	
18 th May Monday	13 B	6	L.O- Discuss how the topics on elasticity, viscosity and phase changes come together in any popular cooking technique Success Criteria-	Zoom	Teacher uses power point presentation and breakout sessions to guide students through the process.
19 th May Tuesday	13 A	4	Discuss and write a recipe in which at least two cooking techniques are used; where the physics principles are used. Realise how science makes it possible to make delicious Cakes, cookies, pies, and bread.		
18 th May Monday	13 B	7	L.O : Practice to become an experimental scientist in their very own laboratory —kitchen Success Criteria-	GC	Guidelines will be provided through Google classroom and Whatsapp group communications
21 st May Thursday	13 A	1	Taking precise measurements, and making skillful observations, students will learn to think like both a chef and a scientist.		
20 th May Wednesday	13 B	3	L.O – Illustrations of how chef manipulate phase changes and other techniques in creating delicious food. Success Criteria-	Asynchronous learning	Students should write a report or prepare a PowerPoint presentation. or a video log of their cooking session and link to the physics learnt.
21 st May Thursday	13 A	2	Conduct a cooking session at home. Record video of themselves explaining physics behind it. Explain how changes such as crystallization (freezing) preparation of chocolate and frozen desserts are great illustrations of phase changes.		

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

Date	Class	Lesson	Lesson objectives & Learning outcome	Mode of teaching	
18 th May Monday	13 A	1	Reading passage given on The homopolar generator.	Zoom	Students answer the questions given and teacher guide students through the process.
19 th May Tuesday	13 B	6			
18 th May Monday	13 A	2	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
21 st May Thursday	13 B	3			
19 th May Tuesday	13 A	5	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 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.	Asynchronous learning	Students should write a report or prepare a PowerPoint presentation.
21 st May Thursday	13 B	4			

