YEAR 10 A -F– Physics

WEEK 5 (27th Sept to 1st October)

Topic: Background radiation

Lesson Objective: Sources of background radiation and methods for measuring & detecting radioactivity using photographic film and a Geiger–Müller tube.

Resources: Student text book, worksheet file, interactive power point from Board works and Online animations

Worksheets and Zoom link will be posted in google classroom

Date	Lesson	Lesson objectives & Learning outcome	Mode of Teaching	
27th Sept Sunday (Boys) 27 th Sept Sunday (girls)	1 2	**L.O:** To discuss the textbook questions and worksheet given in GC **Learning outcome:** The students will be able to reinforce the concepts of lenses and analyze their answers	**Zoom**	Teacher uses a ppt to discuss the answers and sort out the doubts regarding the topic
29th Sept Tuesday (Boys) 30th Sept Wednesday (girls	5 5	**L O**: Revision for GL exams Discuss and revise the relevant topics from National curriculum **Learning outcome**: Students will be able to recap and reinforce the topics for GL examination	**Zoom**	Teacher discusses the important topics required for GL examination

29th Sept Tuesday (Boys) 30th Sept Wednesday (girls)	6 6	**L.O: Revision for GL exams** **Learning outcome:** Students will answer the revision form assigned	**Zoom**	Teacher will post the form in the google classroom. Students will solve and turn in by the end of the lesson
1st Oct Thursday (Boys) 1st Oct Thursday (Girls)	4 1	**L.O:** Explain what is meant by background radiation. Describe methods for measuring and detecting radioactivity limited to photographic film and a Geiger–Müller tube. **Learning outcome:** Students will be able to • Explain what background radiation is. • Describe how radiation measurements need to be corrected for background radiation. • List some sources of background radiation. • Describe how the amount of radioactivity can be measured (in terms of the darkness of photographic film or by attaching a counter to a GM tube) **Home work will be assigned**	**Zoom**	Teacher uses powerpoint presentation to discuss the various sources of background radiation.

Homework : SP 6d- Background radiation