

YEAR 10 A-F– Physics

WEEK 2 (6th September to 10th September)

Topic: Lenses

Lesson Objective: To construct ray diagrams to show the formation of images by converging lens.

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	
6 th Sept Sunday (Boys)	1	L.O: To discuss the topics tested in baseline check. Learning outcome: The students will be able to reinforce the concepts which they have scored less in their baseline check and clarify the doubts on the particular topics.	Zoom	Teacher revises and reinforces the topics students finds difficulty from year 9
6 th Sept Sunday (girls)	2			
8 th Sept Tuesday (Boys)	5	L O: Recall the important terms used in lens Investigate the focus and focal length of converging lens	Zoom	Teacher uses powerpoint presentation to familiarize the students with the terminology associated with the lens. The teacher uses a video to demonstrate the measuring of the focal length of a lens by distant object method.
9 th Sept Wednesday (girls)	5	Learning outcome: Be able to state the meaning of focal length, focus, and principal axis Describe the effects of convex lenses on parallel beams of light.		
8 th Sept Tuesday (Boys)	6	L.O: Construct ray diagrams to show the formation of images by converging lens. Relate the power of the lens to its focal length and shape.	Zoom	Teacher uses powerpoint presentation or animation to show the formation of images by convex lenses and concave lenses and state the type of image formed by the lenses at different object distance.
9 th Sept Wednesday (girls)	6	Learning outcome: Draw ray diagrams to show the nature of the images formed by a converging lens when the object is at different distances from the lens Explain the different types of image		

		<p>that can be formed by converging/ diverging lenses</p> <p>Understand how the focal length and shape of a lens affect its power.</p> <p>Home work will be assigned</p>		
<p>10th Sept Thursday (Boys)</p> <p>10th Sept Thursday (Girls)</p>	<p>4</p> <p>1</p>	<p>L.O: To solve the worksheet on lenses</p> <p>Learning outcome: Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet</p>	<p>GC</p>	<p>Teacher will post the worksheet in the Google classroom. Students will solve the worksheet and turn in during the lesson</p>

Homework :

Complete the worksheet SP5c-4 Lenses(included in year 9 worksheet page 52)

Complete the textbook questions SP5c-lenses page 72 and 73