

YEAR 10 A-F – PHYSICS

WEEK 3 (13th September to 17th September)

Topic: Eye defects and correction, Color

Lesson Objective: Describe eye defects and its correction

Explain how colour of light is related to:

- a differential absorption at surfaces
- b transmission of light through filters

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	
13 th Sept Sunday (Boys)	1	L.O: To discuss the textbook questions and worksheet given in GC	Zoom	Teacher uses a ppt to discuss the answers and sort out the doubts regarding the topic
13 th Sept Sunday (girls)	2	Learning outcome: The students will be able to reinforce the concepts of lenses and analyze their answers		
15 th Sept Tuesday (Boys)	5	L O: Explain the effects of different types of lens in producing real and virtual images.	Zoom	Teacher uses powerpoint presentation to describe the main parts of the eye with their functions. Uses video to explain eye defects - long sightedness & shortsightedness and its correction
16 th Sept Wednesday (girls)	5	Learning outcome: Students will be able to: Identify the main parts of the eye. Describe common eye defects (long-sightedness, short-sightedness). Explain how long- and short-sightedness can be corrected.		
15 th Sept Tuesday (Boys)	5	L.O: Solving worksheet on eye defects and correction	GC	Teacher will post the worksheet in the google classroom. Students will solve the worksheet and turn in by the end of the lesson
16 th Sept Wednesday (girls)	5	Learning outcome: Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet Home work will be assigned		

17 th Sept Thursday (Boys)	4	L.O: Explain the difference between specular and diffuse reflection. Explain how colour of light is related to: a differential absorption at surfaces b transmission of light through filters	Zoom	Teacher uses powerpoint presentation or animation to explain why surfaces appear to have different colours in terms of differential absorption and how filters make coloured light in terms of absorption and transmission.
17 th Sept Thursday (Girls)	1	Learning outcome: Students will be able to know the difference between specular and diffuse reflection and explain why filters make colored lights Home work will be assigned		

Homework :

SP5c-5 Lenses

SP5b-5 Colour

