

YEAR 9 A- F – PHYSICS

WEEK 9 (17th May to 21st May)

Work Sent to the students through Group email/ Google classroom

Topic:– Application of Total internal reflection

Resources: Text book, Worksheet, GCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching	
17 th May Sunday (girls)	4	<p>Learning Objective : Apply and illustrate the applications of TIR in right angled glass prism and its application (Periscope)</p> <p>Success Criteria: * Realise the significance of the critical angle in total internal reflection * Explain how a periscope works * Construct a ray diagram to show the 90° deviation of light in the periscope</p>	Zoom	Teacher uses power point presentation that contains interactive questions.
19 th May Thursday (boys)	1			
19 th May Tuesday – (boys)	2	<p>Learning Objective : Apply and illustrate the applications of TIR in the working of Binocular, Reflector and optical fiber.</p> <p>Success Criteria: * i) Construct a ray diagram to explain the 180° deviation of light in the right angled glass prism (Binocular, Reflector)</p> <p>· (ii) Describe with diagrams how TIR is used to transmit signals in optical fiber.</p>	Zoom	Teacher uses power point presentation that contains interactive questions
20 th May Wednesday – (girls)	3			
20 th May Wednesday – (girls)	4	<p>Assessment: Portions: SP4c – Refraction, wave fronts SP5a – Ray diagrams, TIR</p>	GC	Instruction will be given in the Google class room to complete the Assessment.
21 st May Thursday – (boys)	1			

