

## YEAR 9 (A- F) – PHYSICS

**WEEK 13 (22<sup>nd</sup> November to 26<sup>th</sup> November)**

**Work Sent to the students through Google classroom**

**Topic: Wave Speed, Refraction**

**Resources:** Student text book, Worksheet, GCSE science free lesson video, power point.

<b>Date</b>	<b>Lesson</b>	<b>Topic</b>	<b>Mode of Teaching</b>	
22 <sup>nd</sup> Nov. Sunday <b>(Girls)</b>	4	<b>Learning objective:</b> <ul style="list-style-type: none"> <li>To recall the properties of waves and wave equation.</li> <li>Explain how to measure the velocity of sound in air</li> </ul>	<b>Zoom</b>	Teacher uses power point presentation that contains interactive questions.
22 <sup>nd</sup> Nov. Sunday <b>(Boys)</b>	8	<ul style="list-style-type: none"> <li>Explain how to measure the velocity of sound in solid.</li> </ul> <b>Learning outcome:</b> <ul style="list-style-type: none"> <li>Students will be able to recall the different methods to find the speed of waves. Uses the appropriate equation to calculate the speed of waves.</li> </ul>		
24 <sup>th</sup> Nov. Tuesday <b>(Girls)</b>	3	<b>Learning Objective :</b> <ul style="list-style-type: none"> <li>To find the speed of ripples on water surfaces(<math>v=f \lambda</math>)</li> </ul> <b>Learning outcome :</b> <ul style="list-style-type: none"> <li>Describe how to measure the velocity of waves on the surface of water.</li> <li>Students can able to use the equation to calculate the speed/frequency/ wavelength of waves on the surface water.</li> </ul>	<b>Zoom</b>	Teacher uses power point presentation that contains interactive questions.
24 <sup>th</sup> Nov. Tuesday <b>(Girls)</b>	4	<b>Learning Objective :</b> <ul style="list-style-type: none"> <li>Complete the text book questions and worksheet questions.</li> </ul> <b>Learning outcome:</b> <ul style="list-style-type: none"> <li>Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet.</li> </ul>	<b>GC</b>	Worksheet assigned through GC. Instruction will be given in GC to complete the worksheet.

<p>26<sup>th</sup> Nov. Thursday <b>(Boys)</b></p>	<p>5</p>	<p><b>Learning Objective :</b></p> <ul style="list-style-type: none"> <li>• Explain some effects of the refraction of light</li> <li>• Explain how a change in wave speed can cause a change in direction.</li> </ul> <p><b>Learning outcome:</b></p> <ul style="list-style-type: none"> <li>• Students can able to draw and explain real and apparent depth.</li> <li>• Analyze how a change in wave speed can cause a change in direction.</li> </ul>	<p><b>Zoom</b></p>	<p>Teacher uses power point presentation that contains interactive questions.</p>
<p>26<sup>th</sup> Nov. Thursday <b>(Boys)</b></p>	<p>6</p>	<p><b>Learning Objective :</b></p> <ul style="list-style-type: none"> <li>• Complete the text book questions and worksheet questions.</li> </ul> <p><b>Learning outcome:</b></p> <ul style="list-style-type: none"> <li>• Students will be able to reinforce the concepts learned in the previous lesson by solving the worksheet.</li> </ul>	<p><b>GC</b></p>	<p>Worksheet assigned through GC. Instruction will be given in GC to complete the worksheet</p>