

# **Year 11 Physics – Waves Evaluation and Analysis task**

## **- Reflection and Refraction**

### **Task Weighting [5%]**

Research the following topics:

1. Reflection and refraction with reference to Huygens' principle
2. Snell's Law of Refraction (including critical angle)
3. Ultrasound imaging (with specific reference to reflection and refraction)

### **Notes:**

- You should present your research in a document with diagrams. All sources should be referenced with a minimum of three references (excluding your text books) per topic.
- 1 word processed page including diagrams per research topic should provide sufficient information if you are selective and concise.
- Should it become apparent that all you have done is copy and paste large chunks of material your mark will reflect this.
- An in-class validation exercise will be conducted to test your understanding of the requested research. You will not be allowed notes.
- Use of ChatGPT or similar, even if edited, to produce your report, will result in a zero mark for this assessment

### **Marks Allocation:**

Report – 10 marks – to be handed in at the start of the validation lesson.

Validation – 20 marks