CiE iGCSE Physics 0625 Learning Plan

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| **Section 21: Sound** | | |
| Specification | Resources | Assessment |
| **Core**  Describe the production of sound by vibrating sources  • Describe the longitudinal nature of sound waves  • State that the approximate range of audible frequencies for a healthy human ear is 20 Hz to 20 000 Hz  • Show an understanding of the term ultrasound  • Show an understanding that a medium is needed to transmit sound waves  • Describe an experiment to determine the speed of sound in air  • Relate the loudness and pitch of sound waves to amplitude and frequency  • Describe how the reflection of sound may produce an echo  **Supplement**  Describe compression and rarefaction  State typical values of the speed of sound in gases, liquids and solids | Video: Physics Section 3 – Properties of waves – Lesson 5 – Sound  Powerpoint: Physics 21 – Sound  Textbook  Page 128 – 6.03 Sound Waves  Page 130 – 6.04 Speed of sound and echoes  Page 132 – Characteristics of sound waves  Page 134 - Ultrasound  Section 21 checklist.doc | Textbook  Page 129 – Questions 1 to 4  Page 131 – Questions 1 to 4  Page 133 – Questions 1 to 4  Page 135 – Questions 1 to 4  Textbook answers: Page 329  Talking Paper video – Section 21 – Sound  Section 21 Exam Question - pdf  Section 21 Exam Question mark scheme - pdf |

Videos – www.igcsesciencecourses.com

Textbook Ref: Complete Physics for Cambridge iGCSE (Stephen Pople) - OUP

DVD Assessments – see resource DVD in textbook.