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 rarefactionState typical values of the speed of sound in gases, liquids and solids  | Video: Physics Section 3 – Properties of waves – Lesson 5 – SoundPowerpoint: Physics 21 – SoundTextbook Page 128 – 6.03 Sound WavesPage 130 – 6.04 Speed of sound and echoesPage 132 – Characteristics of sound wavesPage 134 - UltrasoundSection 21 checklist.doc | TextbookPage 129 – Questions 1 to 4Page 131 – Questions 1 to 4Page 133 – Questions 1 to 4Page 135 – Questions 1 to 4Textbook answers: Page 329Talking Paper video – Section 21 – SoundSection 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.