Edexcel iGCSE Physics 4PH0 Learning Plan

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| **Section C14: Sound** |
| Specification | Resources | Assessment |
|  3.26 understand that sound waves are longitudinal waves and how they can be reflected, refracted and diffracted 3.27 understand that the frequency range for human hearing is 20 Hz – 20,000 Hz 3.28 describe an experiment to measure the speed of sound in air 3.29 understand how an oscilloscope and microphone can be used to display a sound wave 3.30 describe an experiment using an oscilloscope to determine the frequency of a sound wave 3.31 relate the pitch of a sound to the frequency of vibration of the source 3.32 relate the loudness of a sound to the amplitude of vibration. | Video: Section 3 – Lesson 21 - SoundPowerpoint: Physics 21 - SoundTextbook: Chapter 14 – SoundPage 118 – Sound wavesPage 118 – Sound waves in different materialsPage 119 – Measuring the speed of soundPage 120 – ReflectionPage 121 – DiffractionPage 121 – Pitch and frequencyPage 123 – Audible rangePage 124 – LoudnessPage 125 – End of Chapter checklistEdexcel iGCSE Physics Student Checklist Section C14.docDVD Revision check list | TextbookPage 125 – Questions 1 to 5Textbook Answers (PDF)Page 126 – End of Section C QuestionsEnd of Section C – answers to textbook questions.pdfDVD Multiple choice testTalking paper – Edexcel Physics Section C14 – SoundSection C14 Exam Question –. (pdf)Section C14 Exam Question – Mark Scheme. (pdf) |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Physics Student Book - Pearson

DVD Video Clips – see resource DVD in textbook.