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|  |  **Pathway 1** | ***KS4 Hybrid*** | **Autumn 2****Topic: Sound**  |
| **Learning Intention:** This topic introduces students to the concept of sound and the way sound is made through vibrations travelling as wavelengths. Pitch and volume is also explored as well how sound vibrations travel into the human ear. |
| **Key knowledge that should be learned during this SoW**  | All | Most | Some |
| **Concept:**  | Students will have the opportunity to learn about the physics of sound. They will learn about what makes sounds and how the human ear works |
| **Knowledge:**  | The ear; how we hear sounds; muffling sounds; pitch and volumeExperimenting with sounds and instruments; animal ears and how animals hear | To know that sounds are made by vibrationsTo understand that sounds become fainter when they are further away | To know elements of how the human ear works To experiment on muffling sound To understand how we hear sounds |
| **Key Skills:**  | Observational skills. Communication skills.Teamwork.  |
| **Language and/or communication skills:**  | SoundListenEarsVibration Experiment SameDifferent  | Sound Pitch VolumeVibrations  Earmaterials | Human Ear MufflingTransmission  |
| **Curricular Links** | PSHCE, PE, technology, English,  |