**Graphical user interface

Description automatically generated with medium confidenceWave Properties** (Comb.)

RAG your understanding.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Start of Topic** | **End of Topic** | **Revised** |
| **Required practical.** I can make observations to identify the suitability of apparatus to measure the frequency, wavelength and speed of waves in a ripple tank and waves in a solid and take appropriate measurements |  |  |  |
| P.6.1.1.a - I can describe waves as either transverse or longitudinal, defining these waves in terms of the direction of their oscillation and energy transfer, and giving examples of each |  |  |  |
| P.6.1.1.b - I can define waves as transfers of energy from one place to another, carrying information, and therefore explain that for water and sound waves it is the wave itself and not the water or air that travels |  |  |  |
| P.6.1.2.a - I can define amplitude, wavelength, frequency, period and wave speed, and identify them where appropriate on diagrams |  |  |  |
| P.6.1.2.b - I can state examples of methods of measuring wave speeds in different media and identify the suitability of apparatus of measuring frequency and wavelength |  |  |  |
| P.6.1.2.c - I can calculate wave speed, frequency or wavelength by applying, but not recalling, the equation: v = f λ ,  and I can calculate wave period by recalling and applying the equation: T = 1/f |  |  |  |