**Pressure in Fluids** (Phys)

RAG your understanding.

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|  | **Start of Topic** | **End of Topic** | **Revised** |
| **5.5 Pressure and pressure differences in fluids (Physics only)** |  |  |  |
| P.5.5.1.a - I can describe a fluid as either a liquid or a gas and explain that the pressure in a fluid causes a force to act at right angles (normal) to the surface of its container |  |  |  |
| P.5.5.1.b. - I can recall and apply the equation: [ p = F/A ] |  |  |  |
| ***P.5.5.1.c (HT) - I can explain how and why the pressure in a fluid varies with depth and density of the fluid, and calculate the pressure due to a column of liquid by applying, but not recalling, the equation: [ p = h ρ g ]*** |  |  |  |
| ***P.5.5.1.d (HT) - I can describe upthrust in terms of a greater pressure on the bottom surface of an object than on its top surface, and so explain why the density of the fluid has an effect on the upthrust experienced by an object submerged in it.*** |  |  |  |
| ***P.5.5.1.e (HT) - I can explain why an object floats or sinks, with reference to its weight, volume and the upthrust it experiences.*** |  |  |  |
| P.5.5.2.a. - I can describe a simple model of the Earth's atmosphere and of atmospheric pressure, explaining why atmospheric pressure varies with height above a surface. |  |  |  |