|  |  |  |
| --- | --- | --- |
| **What will we be learning?**  Forces 2 | **Why this? Why now?**  Particle model of matter (Physics)  Forces 1  Forces 3  AQA Physics | **Key Words:**  Make sure you know the definitions of these keywords and use them in your answers.  Moment  Load  Gears  Equilibrium  Parallelogram of forces  Brownian motion  Atmospheric pressure  Upthrust |
| **What will we learn?**  Pressure = Force / Area  Pressure = height x density x gravitational field strength  Weight = mass x gravitational field strength  Clockwise moments = anticlockwise moments (for an object in equilibrium)  Common Misconceptions: Weight and mass are the same thing  Air and clouds have no weight | |
| **What opportunities are there for wider study?**  Collins Revision guide relevant pages for this unit:  Triple: 10-13  Structural Engineer Extreme Sports Designer  Fairground-ride Designer  Architect Car Designer Cycle Designer Product Design  Meteorologist | |
| **How will I be assessed?**  Deep Marking Task Title for this unit: Hooke’s Law  Required Practical(s) for this unit: None | |