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| **What will we be learning?**Forces 2 | **Why this? Why now?**Particle model of matter (Physics)Forces 1Forces 3AQA Physics | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.MomentLoadGearsEquilibriumParallelogram of forcesBrownian motionAtmospheric pressureUpthrust |
| **What will we learn?**Pressure = Force / AreaPressure = height x density x gravitational field strengthWeight = mass x gravitational field strengthClockwise moments = anticlockwise moments (for an object in equilibrium)Common Misconceptions: Weight and mass are the same thingAir 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 DesignerArchitect Car Designer Cycle Designer Product Design Meteorologist |
| **How will I be assessed?**Deep Marking Task Title for this unit: Hooke’s LawRequired Practical(s) for this unit: None |