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| Department: | Physics | |
| Year 10 Course Summary: | | |
| Resistance and Ohm's Law LDR's, Lamps and Diodes Series and Parallel Resistors Power and Energy Domestic Electricity & AC Speed, Velocity and Acceleration Distance-time graphs and velocity-time graphs Equations of motion Measuring acceleration | Resultant Forces Resolution of Forces Newton's laws of motion (required practical) Newton's laws of motion Stopping distance Mass, weight and freefall Collisions and momentum Vehicle Safety | Structure of Atoms Types of Ionising Radiation Uses of Radiation Nuclear Equations Half life Fission and Chain Reactions Nuclear Power stations Background radiation and contamination The Solar System Gravity and Orbits Life Cycle of Stars Doppler Effect and Red Shift The Beginning and Evolution of the Universe |
| IST Assessments: | | |
| Michaelmas | Lent | Summer |
| Electricity 2 Speed Velocity And Acceleration | Forces And Motion Atomic Physics | Space Physics |