Physics - Triple Foundation

Topic	Paper	Content
		Safety Variables Data logger use
SP8/9 - Energy (Paper 2)		Power & calculations Gravitational Potential Energy Vectors Moments & calculations Insulation
SP10 / 11 – Electricity / Static electricity (Paper 2)		Static electricity and examples Electrical charge % of charge calculation Circuits & diagrams Current Electricity – frequency National grid Transformers Energy transfers & calculations Resistance in a wire Resistors & variable resistors
SP12/13 - Magnetism / Electromagnetism (Paper 2)		Magnets & poles Electromagnetic field
SP14/15 – Particle model / Matter (Paper 2)		Air pressure Gas pressure and calculations (volume / pressure) Atmospheric pressure Density States of matter

Physics - Triple Higher

Topic	Paper	Content
		Variables
SP8/9 - Energy		Energy calculations

(Paper 2)	Moments & calculations Efficiency
SP10 / 11 – Electricity / Static electricity (Paper 2)	Static electricity and examples Electrical charge % of charge calculation Circuits & equipment Current Electricity Transformers Energy transfers & calculations Resistance in a wire Resistors & variable resistors Resistance calculations
SP12/13 - Magnetism / Electromagnetism (Paper 2)	Magnets & poles Electromagnets Magnetic field calculations
SP14/15 – Particle model / Matter (Paper 2)	Pressure Gas pressure and calculations (volume / pressure) Atmospheric pressure Density Volume of an object States of matter Melting points Investigating springs & Force calculations Pressure & Upthrust Kinetic energy Energy calculations Work done / pulleys