PHYSICS

SUBJECT DESCRIPTION	The Course is practical and experiential and develops scientific understanding of issues relating to physics. It will enable learners to gain an in-depth knowledge of concepts in physics, and to develop confidence in the skills of scientific enquiry. Learners will develop ability in describing and interpreting physical phenomena using mathematical skills, and will practice scientific methods of investigation from which general relationships are derived and explored.
COURSE CONTENT	S3 Physics comprises of 3 main units: 1) Waves and Radiation: Wave Characteristics, Sound, Electromagnetic Spectrum, Nuclear Radiation. 2) Energy and Electricity: Generation of Electricity, Electrical Power, Electromagnetism, Practical Electrical and Electronic circuits, Gas laws and the kinetic model. 3) Dynamics and Space: Speed and acceleration, Relationship between forces, motion and energy, Satellites, Cosmology. This course involves theory and relevant practical work. Pupils are expected to undertake regular homework exercises in addition to revision.
PROGRESSION & PATHWAYS	This course provides an important foundation to support the entry to National 4 or National 5 Physics courses.