

Curriculum Journey 2025-2026 Subject: Physics (Year 10) Exam board: AQA

Year 10	Half Term 1	Half term 2	Half Term 3	Half Term 4	Half term 5	Half Term 6
Topic	Phys – Unit 3 Particle model of matter Phys – Unit 2 electrical circuits	Phys – Unit 2 electricity in the home	Phys – Unit 4 Atomic structure	Phys – Unit 1 Energy transfer	Phys – Unit 6 Waves	Phys – Unit 8 space
Vocabulary	Unit 3 Particle model.  Melt, Boil, Condense, Boil, Evaporate, Sublimate, pressure, Collision, Density, Regular, Irregular Unit 2 Electrical circuits.  Resistance, Current, Potential difference, Series, Parallel, Proportional, Directly proportional, Ohmic, Amps, Volts, Ohms, Variable, Bias	Unit 2 Electricity in the home Earth, Neutral, Live, Transformer, National grid, Short circuit, Direct current, Alternating current, Frequency, Power, Efficiency	Unit 4 Atomic structure Proton, Neutron, Electron, Nucleon, Relative atomic mass, Atomic number, Radioactive, Irradiated, Contaminated, Fission, Fusion, Isotope, Alpha, Beta, Gamma, Half-life, Absorption, Ionisation, Model	Unit 1 Energy Potential, Kinetic, Elastic, Chemical, Thermal, Radiation, Nuclear, Power, Joules, Watts, Efficiency, Renewable, Non-renewable, Transfer, Store, Spring constant, Gravitational field strength, Velocity	Unit 6 waves Transverse, Longitudinal, Wavelength, Frequency, Amplitude, Period, Reflection, Normal, Incident, Reflected, Refracted, Refraction, Boundary, Electromagnetic spectrum, Properties, Lenses, Concave, Convex, Focus, Real and Virtual images	Unit 8 Space Nebula, Protostar, Main sequence star, Red giant, White Dwarf, Supernova, Neutron Star, Black hole, Redshift, Big bang, Cosmic microwave background, Orbital, polar, Geostationary
Assessment	End of unit test Recall rallies	End of unit test Recall rallies	End of unit test Recall rallies	End of unit test Recall rallies	End of unit test Recall rallies	End of unit test Recall rallies



Links to prior learning						
Catholic Social Teaching	The dignity of work and participation and solidarity: stem cell research ensuring students understand the inherent dignity of all human life and Promotes global cooperation for the common good.	Respect for Life and option or the poor and The dignity of work and participation advancement in medical treatments in health care – i.e. vaccines Option for the Poor and Vulnerable-Highlights disparities in healthcare and the need for equitable access	Option for the Poor and Vulnerable-Informs strategies to combat hunger and malnutrition.	Common Good and Solidarity  - discussing the uses of radiation and its adv and disadvantages	The option for the poor - medical advancements and the importance of ensuring access to healthcare for all, reflecting the principle of the "preferential option for the poor".  Creation and the environment - Supports the call to use Earth's resources responsibly	Creation and the environment - emphasizing the responsibility to care for all creation and protect biodiversity. Common Good and Solidarity-Explore how scientific advancements can be used to address global challenges like climate change and poverty, promoting the common good and solidarity with those most vulnerable.
Careers and Personal Development links						