

KS5 Physics Learning Journey EDEXCEL A-LEVEL PHYSICS

The science curriculum at St Mark's is designed to engage and enthuse students' curiosity about the world around them, enabling them to develop a lifelong enjoyment

Year 12

Materials Science
Stretching & compressing solids, fluid mechanics



Mechanics
SUVAT equations, motion graphs, projectile motion & Newton's Laws



Waves
Properties & behaviour of waves, quantum physics

Particle Physics
Atomic structure, standard model and further mechanics

Electricity
Electric circuits and electrical power

Year 13

Transport
(continued in Y13)
Further mechanics, electric fields & further electricity

Astrophysics
Astronomical distances, stars & gravitational fields

Oscillations
Simple harmonic motion



Exam Ready!

Nuclear Radiation
Nuclear fission & fusion

Thermodynamics
Heating & cooling, gas laws

