Subject: Physics AS (AQA) **Year Group: 12**

Term One: The following topics will be undertaken:

- Matter and radiation
- Quarks and leptons
- Electrical current
- Direct current circuits
- Materials
- Waves
- Practical and ISA work.

Term Two: During this term the following topics will be covered:

- Quantum phenomena
- Alternating currents
- Forces in equilibrium
- On the move
- Motion and force
- Work, energy and power
- Optics
- ISA examination.

Term Three:

This term work will include extensive revision and the start of the A2 course.

There may be occasions when teachers may not follow the exact order of topics listed to ensure that students have the required depth of knowledge in this subject.

Subject: Physics A2 (AQA) **Year Group: 13**

Term One: The following topics will be undertaken:

- Forces and momentum
- Motion in a circle
- Simple harmonic motion
- Gravitational fields
- Electromagnetic Induction
- Radioactivity
- Nuclear Energy
- Practical and ISA work.

Term Two: During this term the following topics will be covered:

- Electrical fields
- Capacitors
- Thermal Physics
- Gases
- ISA examination

An Optional topic will be undertaken at the end of term one and the start of term two.

Term Three:

This term work will include extensive revision.

There may be occasions when teachers may not follow the exact order of topics listed to ensure that students have the required depth of knowledge in this subject.