Subject	Physics		
	Interpretation of National Curriculum into Year group Endpoints		
Year	**Term 1**	**Term 2**	**Term 3**
13	Students will describe and explain the concepts of: **<u>Fields</u>** **Gravitational Fields** Newtons law Gravitational potential Orbit **Electric fields** Coulombs law Electric field strength Electric potential **Capacitance** Energy stored by capacitor Capacitor charge and discharge **Nuclear Physics** Radioactivity Nuclear stability Nuclear radius Induced Fission	Students will describe and explain the concepts of: **Magnetic fields** Magnetic flux density Moving charges in a magnetic field Magnetic flux and flux linkage EM induction Alternating currents Operation of a transformer **OPTION MODULE dependent on year.** **Students vote for the module – is generally determined by what students what to go on to or general class interest.**	Exam Practice Students will take the three exams which make up the assessment for A-Level Physics. All exams are 2 hours each. Making up 34%, 34% and 32% of the A level respectively. **Paper 1** All year AS content plus further mechanics – not Thermal. It has 60 marks of a mixture of long and short questions, with 25 multiple choice questions at the end. **Paper 2** Year 13 content again, it has 60 marks of a mixture of long and short questions, with 25 multiple choice questions at the end. **Paper 3** It is composed of two sections. <u>Section A</u> Compulsory Section on Practical skills and data analysis. (45 marks) <u>Section B</u> Option Module (35 marks)