SCIENCE YEAR PLANNER (LTP)
YEAR 10 PHYSICS TRILOGY

Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	**6.3 Particle Model of Matter** • 6.3.1 Changes of state and particle model • 6.3.2 Internal energy and energy transfers • 6.3.1/2 Changes of state and particle model/Internal energy and energy transfers – review material taught in final term of Year 9 • 6.3.2.3 Changes of heat and Latent heat • 6.3.3 Particle model and pressure **6.4 Atomic Structure** • 6.4.1 Atoms and Isotopes	**Practical 17 Density** **6.3 Particle model of matter – end of unit test**	• Doddle • Purchase of relevant revision guide • BBC Bitesize
Autumn 2	**6.4 Atomic Structure** • 6.4.2 Atoms and nuclear radiation **6.4 Electricity** • 6.2.1 Current potential difference and resistance	**6.4 Atomic Structure – end of unit test**	• Doddle • Purchase of relevant revision guide • BBC Bitesize
Spring 1	**6.2 Electricity** • 6.2.1 Current potential difference and resistance • 6.2.2 Series and parallel circuits • 6.2.3 Domestic use and safety • 6.2.4 Energy transfers	**Practical 15 Resistance (length of wire and combinations of resistors)** **Practical 16 IV characteristics** **6.2a Electricity test – electrical circuits**	• Doddle • Purchase of relevant revision guide • BBC Bitesize

*All assessments may be subject to alteration to best suit the learning needs of students.

Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Spring 2	**6.2 Electricity** • **6.2.3 Domestic use and safety** • **6.2.4 Energy transfers** **6.6 Waves** • **6.6.1 Waves in air, fluids and solids**	**6.2b Electricity test – mains electricity**	• **Doddle** • **Purchase of relevant revision guide** • **BBC Bitesize**
Summer 1	**6.6 Waves** • **6.6.1 Waves in air, fluids and solids** **Preparation for Year 10 exams**	**Year 10 exams** **Practical 20 properties of waves**	• **Doddle** • **Purchase of relevant revision guide** • **BBC Bitesize**
Summer 2	**6.6 Waves** • **6.6.1 Waves in air, fluids and solids** • **6.6.2 Electromagnetic waves**	**Practical 21 IR absorption/emission** **6.6 Waves – end of unit test**	• **Doddle** • **Purchase of relevant revision guide** • **BBC Bitesize**