



SCIENCE YEAR PLANNER (LTP)

YEAR 10 PHYSICS TRIPLE



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	4.3 Particle Model of Matter <ul style="list-style-type: none">4.3.1/2 Changes of state and particle model4.3.2 Internal energy and energy transfers4.3.2.3 Changes of heat and Latent heat4.3.3 Particle model and pressure 4.4 Atomic Structure <ul style="list-style-type: none">4.4.1 Atoms and Isotopes4.4.2 Atoms and nuclear radiation	Practical 5 Density 6.3 Particle model of matter – end of unit test Practical 2 - Insulation	<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC Bitesize
Autumn 2	4.4 Atomic Structure <ul style="list-style-type: none">4.4.3 Hazards and uses of radioactive emissions4.4.4 Nuclear fission and fusion 4.4 Electricity <ul style="list-style-type: none">4.2.1 Current potential difference and resistance	6.4 Atomic Structure – end of unit test	<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC Bitesize
Spring 1	4.2 Electricity <ul style="list-style-type: none">4.2.1 Current potential difference and resistance4.2.2 Series and parallel circuits4.2.3 Domestic use and safety4.2.4 Energy transfers	6.2a Electricity test– electrical circuits Practical 3 – Resistance (with length of wire/combinations of resistors) Practical 4 I-V characteristics	<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC Bitesize

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

Spring 2	4.2 Electricity <ul style="list-style-type: none"> • 4.2.5 Static Electricity 4.6 Waves <ul style="list-style-type: none"> • 4.6.1 Waves in air, fluids and solids 	6.2b Electricity test – mains electricity and static electricity Practical 8 properties of waves	<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize
Summer 1	4.6 Waves <ul style="list-style-type: none"> • 6.6.2 Electromagnetic waves • 6.6.3 Black Body Radiation Preparation for Year 10 exams	Practical 9 - reflection and refraction Practical 10 - IR absorption and emission Year 10 exams 6.6 Waves – end of unit test	<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize
Summer 2	4.8 Space Physics <ul style="list-style-type: none"> • 4.8.1 Solar System, Orbits and Satellites • 4.8.2 RedShift • 	4.8 Space Physics – end of Unit test	<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize