

Curriculum Map						
Year 11 Triple						
Half term	Unit title with hyperlink to scheme of work	Unit summary	Skills & content covered	Skills & content revisited	Summary of formative marking, feedback and student response	Summative assessment schedule, including assessment criteria
Autumn Half-term 1/2	B7 Ecology	In this unit we will explore how humans are threatening biodiversity as well as the natural systems that support it. We will also consider some actions we need to take to ensure our future health, prosperity and well-being.	1. Introduction to Ecology 2. Adaptations 3. Feeding relationships 4. Sampling Required practical 5. Cycling materials 6. Decomposition (Triple only) 7. Biodiversity and conservation 8. Human activity 9. Trophic levels (Triple only) 10. Food production (Triple only)	Make and record observations of organisms. Extract information from charts, interpret information from graphs. Explain every day applications of science.	Sparx HW, in class teacher questioning, MCQ's, starter tasks	MTT
Autumn Half-term 1	C9- Chemistry of the Atmosphere	The Earth's atmosphere is dynamic and forever changing. The causes of these changes are sometimes man-made and sometimes part of many natural cycles. The problems caused by increased levels of air pollutants require scientists and engineers to develop solutions that help to reduce the impact of human activity.	1. Earth's early atmosphere 2. Greenhouse gases 3. Climate change 4. Carbon footprint 5. Atmospheric pollutants	Develops work from C1 Atomic structure and looks at impact of changes to the earth's atmosphere over time. Students continue to develop graphing skills from ks3 to plot data about the atmosphere	Sparx HW, in class teacher questioning, MCQ's, starter tasks	EOTT
Autumn Half-term 1	P6 Waves	In this unit we will explore how humans are threatening biodiversity as well as the natural systems that support it. We will also consider some actions we need to take to ensure our future health, prosperity and well-being.	1. Introduction to Ecology 2. Adaptations 3. Feeding relationships 4. Sampling Required practical	Make and record observations of organisms. Extract information from charts, interpret information from graphs. Explain every day applications of science.	Sparx HW, in class teacher questioning, MCQ's	EOTT
Autumn Half-term 1	P8 Space Physics	Those studying this topic are expected to learn about the important elements in our Solar System, such as the Sun, the planets, the moons, the dwarf planets, asteroids and comets. The GCSE physics syllabus states that you should be able to: Describe the life cycle of a star Describe the similarities and distinctions between the planets, their moons, and artificial satellites How scientists are able to use observations to arrive at theories such as the Big Bang theory	Space Physics syllabus topics included are: 1. The expanding universe 2. The life cycle of a star 3. The Solar System	gravity force, weight = mass x gravitational field strength (g), on Earth g=10 N/kg, different on other planets and stars; gravity forces between Earth and Moon, and between Earth and Sun (qualitative only) our Sun as a star, other stars in our galaxy, other galaxies the seasons and the Earth's tilt, day length at different times of year, in different hemispheres the light year as a unit of astronomical distance.	Sparx HW, in class teacher questioning, MCQ's, starter tasks	Exam practice
Autumn Half-term 1/2	C10- Using Resources	Industries use the Earth's natural resources to manufacture useful products. In order to operate sustainably, chemists seek to minimise the use of limited resources, energy consumption, waste and environmental impact in the manufacture of these products.	1. Using Earth's resources 2. Potable water 3. Waste water 4. Analysis water required practical 5. Life cycle assessments 6. Recycling	This topic builds on themes from C9 atmosphere and develops students research skills as they review a range of uses of resources on earth such as water, copper and various products	Sparx HW, in class teacher questioning, MCQ's, starter tasks	Exam practice
Autumn 2	Paper 2 Reteaching					
Spring 1/2	Paper 1 Reteaching					
Revision and mocks						