

Year 11 Science Curriculum Map					
HalfTerm	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Big Themes	Physics- Forces Biology- Homeostasis and Response	Physics- Waves Mock exam focus	Chemistry- Using resources Biology- Inheritance and Evolution	Biology- Bioenergetics Chemistry- Chemistry of the Atmosphere	Exam focus
Knowledge and skills covered	Forces and their interactions Scalar and Vector Gravity Work and energy transfer Elasticity Momentum Pressure The human nervous system Hormones in humans Hormones in plants <u>Skills</u> Graph drawing and interpretation algebraic equations rearranging of equations Identifying variables	Waves in air, fluids and solids Electromagnetic waves Black body radiation <u>Skills</u> Use of scales Method writing Recording data	Using the Earth's resources The use of water Metals and other materials Making fertilisers Reproduction Variation Genetics and evolution Classification of living organisms <u>Skills</u> Classifying materials Using timelines Recording and analysing data Interpreting data	Photosynthesis Respiration Composition and evolution of the Earth's atmosphere Greenhouse gases Common atmospheric pollutants and their sources <u>Skills</u> Evaluating processes Use of data from diagrams Collecting data	Subject content specific revision Metacognition for exams Revision techniques
Knowledge organisers and more detailed topic resources can be found on all student Google Classrooms					