

Year 9

Term 1	Physics: Energy 1	1.Types of potential energy and work done. 2.Power 3.Dissipation of energy 4.Renewable and non-renewable W Energy 1 SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize energy and heating
	Biology: Ecology	1.Abioitic and biotic factors. 2.Required practical- ecological sampling 3.Predator prey relationships 4.Biomass loss 5.Competition 6. Adaptations 7.Carbon cycle 8. (T) conditions for decay and required practical. 9.(T) water cycle W Ecology SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize ecology sections 1-2
Term 2	Chemistry: Atomic structure	1.Elements, compounds, mixtures 2.Formulae 3.History of model of atom (Thomson, Rutherford, Bohr, Chadwick) 4.Atomic and electronic structure. W Atomic structure SPEC .docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize atomic structure
Term 3	Physics: Forces 1	1. Contact and non contact forces 2. Drawing forces 3. Hooke's Law 4. Newtons 1st, 2nd and 3rd laws W Forces 1 SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC Bitesize - Forces
Term 4	Biology: Classification and cell biology	1. Classification 2. Eukaryotic and prokaryotic structure and functions of subcellular structures 3.Introduction to scale. Nano and micrometres. W Classification and cell biology SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize cells GCSE

	Chemistry: Periodic table	1.States of matter 2.Organisation and history of periodic table. 3.Group properties W Periodic table SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize periodic table
Term 5	Biology: Plants and photosynthesis	1.Equation for respiration 2.Factors affecting photosynthesis 3. Required practical (light intensity) 4.Transpiration 5.Uses of glucose W Plants and photosynthesis SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize photosynthesis
	Physics: Electricity 1	1. Current and potential difference in series and parallel 2. Series and parallel circuits 3. Circuit components and resistance. W Electricity 1 SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize electrical circuits
Term 6	ALL	Revision on all of the above topics ready for the end of year exam. Focus will depend on students' end of topic test results.	Lesson resources are available through google classrooms. Alternatively use Seneca