

Term 1	Biology: Homeostasis	<ol style="list-style-type: none"> 1.Nervous system 2.Required practical on reaction times 3. (T) The brain and eye 4.Endocrine system and menstrual cycle. 5. IVF and contraception. 6. Plant hormones 7. (T) required practical response to light. 8.Diabetes 9. (T) water balance and kidneys. <p>W Homeostasis SPEC.docx</p>	Lesson resources are available through google classrooms. Alternatively: BBC bitesize homeostasis
	Physics: Waves 2	<ol style="list-style-type: none"> 1.Electromagnetic spectrum 2.(HT) Reflection, absorption and transmission and refraction of waves 3. (HT) radio waves 4.Measurement of radiation 5.Required practical- infrared radiation 6.(T) uses and dangers of the em spectrum parts. 7. (T) Lenses and ray diagrams 8.(T) required practical reflection and refraction 9.(T) Thermal radiation. <p>W Waves 2 SPEC.docx</p>	Lesson resources are available through google classrooms. Alternatively: BBC bitesize waves
Term 2	Chemistry: Chemical analysis	<ol style="list-style-type: none"> 1.Melting and boiling points 2. Chromatography 3.Required practical 4.tests for gases 5.(T) Tests for ions 6. (T) required practicals <p>W Chemical analysis SPEC.docx</p>	Lesson resources are available through google classrooms. Alternatively: BBC bitesize chemical analysis
	Biology: Variation and evolution	<ol style="list-style-type: none"> 1.Understanding of chromosomes 2.Understanding dominant and recessive alleles. 3.Construct punnett squares and use these to suggest probabilities and ratio 	Lesson resources are available through google classrooms. Alternatively: BBC bitesize genetics

		4.Describe and explain polydactyly and cystic fibrosis 5.Explain gender inheritance 6.Selective breeding 7.Genetic engineering 8.Therapeutic cloning 9.(T) tissue cultures, cuttings, embryo and adult cell cloning. W Variation and evolution SPEC.docx	
Term 3	Chemistry: Chemistry of Atmosphere	1.Evolution of the atmosphere 2.Effect of greenhouse gases 3.Modern changes on the atmosphere 4.Carbon footprint 5.Combustion W Chemistry of atmosphere SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize atmosphere
	Physics: Forces 2	1.Scalar and vector quantities 2.Speed/ distance/ time calculations 3.Distance/ time and velocity/time graph 4.Acceleration calculations 5.Terminal velocity 6.(HT) inertia 7.(T) momentum 8. (T) Pressure W Forces 2 SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize forces
Term 4	Physics: Magnetism and electromagnetism	1.Permanent magnets 2.Drawing fields around a solenoid 3. (HT) explaining solenoids 4.(HT) motors 5. (HT) magnetic flux density calculations 6.(T) loudspeakers and microphones 7.(T) Transformers and calculations W Magnetism and electromagnetism SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize electromagnets
	Chemistry: Using resources	1.Potable water 2.Required practical (water) 3.Life cycle assessments 4.Recycling 5. (HT) Phytomining and bioleaching	Lesson resources are available through google classrooms. Alternatively: BBC bitesize using resources

		6.(T)Corrosion and alloys 7.(T)Polymer properties 8.(T) Haber process and equilibrium 9.(T) Formulations and fertilisers W Using resources SPEC.docx	
	Physics: Space (triple only)	1.Life cycle of a star 2.Element creation 3.(HT)Orbits 4.Red shift as evidence of Big Bang Theory. W Space SPEC.docx	Lesson resources are available through google classrooms. Alternatively: BBC bitesize space