Science Curriculum Overview KS3 2019/20

	Autumn 1-7 weeks Autumn 2 - 7 weeks	Spring 1 - 6 weeks Spring 2 - 6 weeks	Summer 1 - 5 weeks Summer 2 - 6 weeks (8)
Year 7	Forces, Matter, Organisms	Electricity, Genes, Reactions	Eco Systems, Waves, Energy, Space
	Forces- Speed and acceleration, resultant	Electromagnets- Explaining circuits, current,	EcoSystems- Relationships in the environment.
	force, Gravity.	potential difference, electrostatic force.	How plants are adapted to reproduce.
	Matter- Using the particle model, separating	Genes-Variation, human reproduction.	Waves- What sound is, how sound behaves.
	mixtures.	(Reproductive systems, contraception, infertility,	What light is, behaviour of light (reflection, prism,
	Organisms- Movement, body systems.	hormones, development of a foetus, puberty)	refraction, vacuum)
	Combined Assessment For, Mat, Org	Reactions- Properties of metals and non-metals,	Energy- Energy stores and transfers, fuels and
		types of reactions, acids, alkalis and indicators.	energy stores, energy in the home, accounting for
		Combined Assessment Elec, Gen, Rea	energy. (End of year exam)
Year 8	Organisms, Energy, Matter	Electromagnets, Genes, Reactions, Ecosystems	Ecosystems, Waves, Forces. Earth
	Organisms- The breathing system a healthy	Flectromagnets-Magnetic fields, magnetic	Ecosystems- Aerobic respiration angerobic
	diet the digestive system	attraction and repulsion explaining	respiration photosynthesis
	Energy-Doing work Using machines	electromagnets using electromagnets	Wayes- Effects and uses of wayes behaviour of
	Thermal energy Transfer of thermal energy	Genes- Natural selection and evolution managing	waves and energy modelling waves
	(Conduction convection and radiation)	populations the structure of the nucleus	Forces-Effect of forces friction and drag
	Matter- The Periodic table. Elements and	inheritance	pressure floating and sinking forces in
	compounds Using simple models	Reactions- Reaction energy and catalysts	equilibrium
	(molymods, symbols) special materials	combustion and thermal decomposition	End of year exam
	(ceramics polymers composites)	reactions	Earth- Carbon cycle. Changing Earth (global
	Combined Assessment Ora Ene Mat	Combined Assessment Fle Gen Reg	warming areenhouse ages changes in the
		Ecosystems- Aerobic respiration, anderobic	atmosphere) using and re-using the Farth's
		respiration, photosynthesis.	resources.
Year 9	Biology, Chemistry, Physics	Biology, Chemistry, Physics	Biology, Chemistry, Physics
	B1. (Y9 Transition) Cell biology - How cells	B2. (Y9 Transition) Photosynthesis - The chemical	B3. Moving and Changing Materials - Organs,
Triple	function in living organisms.	reaction that allows life on earth.	transport and enzymes.
8	C1 . (Y9 Transition) Atomic structure and the	C2. (Y9 Transition) Bonding, structure, and the	C3. Quantitative chemistry - Calculating amounts.
Trilog	periodic table - Elements of the universe.	properties of matter - Fundamentals of Chemistry.	P3. Particle model of matter - Energy changes
v	P1. (Y9 Transition) Energy - How energy is	P2 . (Y9 Transition) Electricity - Understanding the	and states of matter.
,	stored and transferred.	fundamentals of electricity.	