

Year 7		
Particles, Substances and Mixtures (18)	1	The Particle Model and states of matter
	2	Properties of the states of matter
	3	Changes of State
	4	Using a Bunsen burner
	5	Melting and Boiling Points
	6	Heating water
	7	Diffusion Part 1
	8	Gas pressure
	9	Pure substances and mixtures
	10	The Particle model and solutions
	11	Conservation of mass in solutions
	12	Saturation and solubility
	13	Temperature and solubility
	14	Filtration, evaporation and crsyallisation
	15	Purifying rock salt
	16	Pause
	17	Distillation
	18	Chromatography + Interpreting chromatograms
	20	Assessment 1 - Assessing Particles, Substances and Mixtures Topic using questions from Educake
Fundamentals in Physics (12)	1	Forces cause change + Modelling Firces
	2	Measuring forces
	3	Balanced and Unbalanced Forces
	4	Resultant Forces
	5	Forces that deform objects
	6	Friction force
	7	Investigating friction and lubricants
	8	Interpreting the friction and lubricants enquiry
	9	Pause
	10	Energy Stores
	11	Energy pathways
	12	Analysing energy transfers
	13	Assessment 2 - Assessing Fundamentals in Physics Topic using questions from Educake
Cells and Organisation (11)	1	Organisms
	2	Introduction to the microscope
	3	Proficiency with the microscope
	4	Levels of organisation
	5	Animal cell structures and functions
	6	Plant cell structures and functions
	7	Pause
	8	Preparing a slide to observe cells
	9	Comparing cell structure
	10	Needs of cells
	11	Factors affecting diffusion
	12	Assessment 3 - Assessing Cells and Organisation Topic using questions from Educake
		Mid Year assessment W/C 19 Jan 26 (tbc but approx 60 marks)
		Feedback lesson
Chemical Changes	1	Atoms and elements
	2	Element properties
	3	Investigating elements
	4	Compounds
	5	Chemical formulae
	6	Naming compounds
	7	Chemical reactions
	8	Chemical reactions as rearrangement of atoms
	9	Pause
	10	Types of chemical reaction – oxidation
	11	Types of chemical reaction – thermal decomposition
	12	Representing reactions with chemical equations
	13	Combustion reactions
	14	Investigating conservation of mass
	15	Exothermic and endothermic reactions
	16	Investigating exothermic and endothermic reactions
	17	Assessment 4 - Assessing Chemical Changes Topic using questions from Educake
Organ Systems	1	Unicellular organisms
	2	Multicellular organisms
	3	Gas exchange system 1 + 2
	4	Inhaled and exhaled air 1 + 2
	5	Digestive system 1
	6	Digestive system 2
	7	Pause
	8	Circulatory system 1
	9	Circulatory system 2
	10	Skeletal system + joints and movement
	11	Muscles and movement
	12	Investigating muscle strength
	13	Assessment 5 - Assessing Organ Systems Topic using questions from Educake
Sound and light	1	Observing sound
	2	Transmission of sound
	3	Distance and absorption of sound
	4	Sound reflection and scattering
	5	Speed of sound
	6	Sound and hearing
	7	Pause
	8	Observing light
	9	Transmission of light
	10	Reflection of light
	11	Coloured light + coloured objects
	12	Reflected images
	13	Refraction of light
	14	Focussing + seeing (2 lessons combined)
	15	Assessment 6 - Assessing Sound and Light Topic using questions from Educake
Materials	1	Ceramics
	2	Polymers + properties and uses
	4	Testing polymers + problems with polymers
	5	Composite materials
	6	Selecting composite materials
	7	Investigating composite materials
		End of Year Written Assessment (60 marks)
Life Cycles	1	Heredity
	2	The genome
	3	Variation + Discontinuos and continuos variation
	4	Presenting data on variation
	5	Growth and development
	6	Adolescence and puberty in humans
	7	Sexual reproduction in humans
	8	Male and female reproductive systems
	9	Fertilisation and embryo formation
	10	Menstrual cycle and contraception
	11	Pregnancy and foetal development + birth
	12	Pause
	13	Flowers and pollination
	14	Fertilisation and germination + seed dispersal
	15	Asexual reproduction
	16	Assessment 8 - Assessing Life Cycles Topic using questions from Educake