

Test 50 marks - 40 on recall (~8 marks at levels 3-7), 5 on previous topics (Q1 level 4-6?), 5 on skills (Q5)

underlined = skill tested on test

Year 8
week

2018-2019

1	Variation_for_Survival	3.1.3	Looking more closely at variation
		3.1.4	Exploring the causes of variation
		<u>SKILLS - Variation graphs (analysing & evaluating)</u>	
2		3.1.5	Learning about selective breeding
		3.1.6	Finding out how organisms survive
		3.1.9	Looking inside a cell's nucleus
3		3.1.11	Exploring human chromosomes
		3.1.12	Understanding cloning
		3.1.13	Explaining extinction
4		Revision	
		Variation test (KMW)	
		Review	
5	Explaining_Physical_Changes	2.3.2	Particles intro
		2.3.3	Understanding solids
		2.3.4	Exploring Brownian motion
6		2.3.5	Understanding liquids and gases
		2.3.6	Changing state
		2.3.7	Understanding evaporation
7		2.3.8	Exploring thermal expansion
		2.3.11	Explaining density of solids and liquids
	2.3.13	Explaining concentration and pressure	
8		2.3.14	Exploring diffusion
		2.3.15	<u>SKILLS - Conserving mass (analysing & evaluating)</u>
		2.3.16	Deciding between physical and chemical changes
9		2.3.17	Explaining the properties of mixtures
	Magnetism_and_Electricity	2.6.3	Exploring magnetic materials
		2.6.5	Describing the Earth's magnetic field
10		2.6.6	Investigating electromagnetism
		2.6.8	Exploring D.C. motors
		2.6.10	Investigating batteries
11		2.6.11	Describing electric circuits
		2.6.12	Understanding energy in circuits
		2.6.13	Explaining resistance
12		<u>SKILLS - current voltage graphs & $R=V/I$ (numeracy)</u>	
		2.6.16	Describing series and parallel circuits
		2.6.17	Comparing series and parallel circuits
13		Revision	
		Physical change & Electricity Test (KMW)	
		Review	
14	Waves_and_Energy_Transfer	3.6.2	Making waves
		3.6.3	Exploring light waves
		3.6.4	Explaining properties of light waves
15		3.6.5	Using the ray model
		3.6.6	Understanding energy transfer by light
		3.6.7	Exploring coloured light
16		3.6.9	Understanding energy transfer and change
		3.6.10	Explaining thermal conduction and radiation
		<u>SKILLS - Insulation (hyp & plan)</u>	
17		3.6.11	Understanding energy transfers by fuels and food
		3.6.13	Looking at the cost of energy use in the home
18	Chemical_Changes	2.4.2	Exploring acids
		2.4.3	Exploring alkalis
		2.4.4	Using indicators
		2.4.5	Using universal indicator
19		2.4.6	Exploring neutralisation
		2.4.8	Understanding salts
		2.4.9	Exploring the reactions of acids with metals

20	Explaining_C	SKILLS - Acid conc & magnesium (numeracy)
		2.4.10 Exploring the reactions of acids with carbonates
		2.4.14 Exploring combustion
21		2.4.16 Exploring the effects of burning
		Revision
		Light & Chemical changes Test (KMW)
22		Review
	Getting_the_Energy_Your_B	2.1.2 Exploring the human skeleton
		2.1.4 Understanding the role of skeletal joints
23		2.1.7 Examining interacting muscles
		2.1.8 Exploring problems with the skeletal system
		2.1.10 Understanding how our muscles get energy
24		2.1.11 Investigating respiration
		<u>SKILLS - Energy in food (analysing & evaluating)</u>
		2.1.15 Understanding anaerobic respiration
25		2.1.16 Investigating fermentation
	Obtaining_Useful_Materials	3.3.2 Obtaining metals from ores
		3.3.3 Understanding reactivity
26		3.3.4 Making use of displacement reactions
		3.3.6 Extracting copper, lead and zinc
		3.3.10 Comparing endothermic and exothermic reactions
27		3.3.11 Explaining the use of catalysts
		SKILLS - Catalase & H₂O₂ (hyp & planning)
		3.3.14 Exploring natural polymers
28		3.3.15 Using human-made polymers
		3.3.16 Explaining composites
		Revision
29		Body Needs & Useful materials Test (DD)
		Review
	Motion_on_Earth_and_in_Sp	3.5.2 Describing journeys with distance–time graphs
30		3.5.3 <u>SKILLS - Exploring journeys on distance–time graphs (numeracy)</u>
		3.5.4 Understanding relative motion
		3.5.5 Analysing equilibrium
31		3.5.6 Exploring motion and equilibrium
		3.5.8 Understanding gravitational fields
		3.5.10 Looking at motion in the Solar System
32		3.5.11 Describing stars and galaxies
	3.5.12 Explaining the effects of the Earth's motion	
		Revision
33		Motion test (DD)
		Review
	Using_our_Earth_Sustainabl	3.4.2 Understanding our atmosphere (START POINT 1)
34		3.4.3 Exploring the effects of human activity
		SKILLS - Acid rain & Germination (hyp & plan)
		3.4.4 Understanding the global warming debate
35		3.4.5 Understanding how carbon is recycled
		3.4.7 Considering the importance of recycling
		3.4.9 Structure of the Earth & igneous rocks (START POINT 2)
36	3.4.11 Studying sedimentary & metamorphic rocks	
	3.4.13 Understanding the rock cycle	

37

38

39