

Natural Science & Technology Outline

Week	Day	Session	Topic	Unit	Topic	Needed	Assess
1	1	1	1	1	Plants and animals on Earth (Living things) #1-7		
	2	2		1	Plants and animals on Earth (Living things) #8-12		
	3	3		1	Plants and animals on Earth (Living) #13-15	Seeds (bean, coriander, lentil); yeast; containers, cotton wool	
	4	4		1	Plants and animals on Earth (Non-living things) #1-5		
2	1	5		1	Plants and animals on Earth (Non-living things) #6-7		
	2	6		1	Plants and animals on Earth (Habitat) Intro #1-Different Habitats #5		
	3	7		1	Plants and animals on Earth (Habitat) #6-9	Pics of Big 5, Info of Big 5; cardboard	
	4	8		1	Plants and animals on Earth (Habitat) #10-11	SA National animals info	
3	1	9		1	Plants and animals on Earth (Habitat – Natural and man-made shelters) #12-15		
	2	10		1	Plants and animals on Earth (Habitat – Shell and frame structures) #16-19		
	3	11		1	Plants and animals on Earth (Habitat – Animal shelters) #20-25		
	4	12		1	Plant and animal adaptations		
4	1	13		1	Plant and animal adaptations		
	2	14		1	Structures of plants #1-7		
	3	15		1	Structures of plants (Visible differences between plants) #8-11a		
	4	16		1	Structures of plants (Visible differences between plants) #11b-15		
5	1	17		1	Structure of animals #1-15		
	2	18		1	Structure of animals #16-19		
	3	19		1	What plants need to grow		
	4	20		1	What plants need to grow		
6	1	21		2	Interdependence		
	2	22		3	Animal Types (Classification)		
	3	23		3	Animal Types (Classification)		
	4	24		X	Topic Revision p14 LB		
7	1	25		X	Basic Target Worksheet Topic 1 p1		
	2	26		X	Advanced Target Worksheet Topic 1 p2		
	3	27	2	1	Animal Skeletons #1-9	Pictures& examples of animal skeletons/bones Creatures with exoskeletons Clean bones, x-rays, pasta	
	4	28		1	Animal Skeletons #10-15		
8	1	29		1	Animal Skeletons #16-26		
	2	30		1	Animal Skeletons #27-34		
	3	31		1	Animal Skeletons #35-36		
	4	32		2	Movement #1-8		

9	1	33		2	Movement #9-15		
	2	34		X	Topic Revision p26 LB		
	3	35		X	Basic Target Worksheet Topic 1 p1		
	4	36		X	Advanced Target Worksheet Topic 2 p3		
10	1	37	3	1	Structures (Strengthening materials) #1-3	Dowel sticks (30cm x 10mm) 10-12 metal paper fasteners; paper	
	2	38		1	Structures (Strengthening materials – struts and frame structures) #4		
	3	39		1	Structures (Strengthening materials – Design and make a bridge) #5		
	4	40		1	Structures (Indegenous Structures)		
11	1	41		1	Structures (Frame and shell Structures)		
	2	42		X	TOPIC REVISION p36 LB		
	3	43		X	Basic Target Worksheet Topic 3 p4		
	4	44		X	Advanced Target Worksheet Topic 3 p5		
12	1	45		X	Term 1 Practice Test p95 TG (Formal Assessment)		
	2	46	4	1	Food and feeding	Iodine	
	3	47		2	How a food chain works		
	4	48		X	TOPIC REVISION p46 LB		
13	1	49		X	Basic Target Worksheet Topic 4 p6		
	2	50	5	1	Growth and development #1-8	Flower (petunia or lily), Straight pins Magnifying glass	
	3	51		1	Growth and development #9-13		
	4	52		X	TOPIC REVISION p58 LB		
14	1	53		X	PRACTICE TEST P59-60 LB		
	2	54		X	Basic Target Worksheet Topic 5 p7-8		
	3	55		X	Advanced Target Worksheet Topic 5 p9		
	4	56		X	TERM EXAM p97 TG		
15	1	57	6	1	Matter & Materials #1-7 (Solids)	Stone, cloth, paper, table, pan	
	2	58		1	Matter & Materials #8-11 (Liquids)	Paraffin, baby oil, fruit juice, spirits, 10 containers, saucers	
	3	59		1	Matter & Materials #12-17 (Gasses)		
	4	60		1	Change of State #1-4		
16	1	61		1	Change of State #5-10	2l container, 3 bananas, 2 cups cream, 2 cups milk, 1 tsp vanilla, 12 cups sugar	
	2	62		1	Change of State #11-13		
	3	63		1	The water cycle	Brick, 2l bottle	
	4	64		1	Solid Materials – Raw & manufactured (#1-7)	Fruit, Glass, Feather, Coins, Jewellery, Pot, Plastic bag, Wood, Sand	

17	1	65		1	Solid Materials – Paper (#8-10)		
	2	66		1	Properties of materials #1-5	Nail, candle, coin	
	3	67		1	Properties of materials #6-11	Clamp	
	4	68		1	Properties of materials- identifying different materials #12-		
18	1	69		1	Metals & Non metals #1-7		
	2	70		1	Metals & Non metals #8-14		
	3	71		2	Properties of non-metals	4x 5c coins, pieces of metal), Soft cloth, Cleaning materials, flour salt, vinegar to make a firm paste, Soapy water, Cream cleaner (or pine gel)	
	4	72		2	Properties of non-metals		
19	1	73		X	FORMAL ASSESSMENT: Practical Task p70-71 LB		
	2	74		X	Topic Revision p72LB		
	3	75		X	Basic Target Worksheet Topic 6 p11		
	4	76	7	1	Other properties of metals #1-7	Magnetic & non-magnetic materials (coins, nails, drawing pins, paper clips, safety pins, copper wire, scissors, spoon, iron filings, brass screws), Magnets, Pot with metal handles, Candle	
20	1	77		1	Other properties of metals #8-13		
	2	78		2	Uses of metals		
	3	79		X	TOPIC REVISION p84 LB		
	4	80		X	Basic Target Worksheet Topic 7 p12-13		
21	1	81	8	1	Processing materials #1-10	Mould, Ingredients for cake, picture, newspaper, Maize meal; jelly, Plaster of Paris, Ice cube tray, permanent marker, builder's sand , plastic tea spoons, 2x 1l yoghurt tubs	
	2	82		1	Processing materials #11-17		
	3	83		1	Processing materials #11-17 (continued)		
	4	84		X	TOPIC REVISION p94 LB		
22	1	85		X	Basic Target Worksheet Topic 8 p14-15		
	2	86		X	Advanced Target Worksheet Topic 8 p16-17		
	3	87	9	1	Properties and uses of Processed materials	p101 LB	
	4	88		2	Traditional processing #1-5		
23	1	89		2	Traditional processing #6-12		
	2	90		2	Traditional processing #13-15		
	3	91		2	Traditional processing #16-18	Clay	
	4	92		X	TOPIC REVISION p108 LB		

24	1	93		X	Basic Target Worksheet Topic 9 p18-19		
	2	94		X	Advanced Target Worksheet Topic 9 p20-21		
	3	95		X	TERM 2 PRACTICE EXAM p109-110 LB		
				X	TERM 2 MID-YEAR EXAM p97 TG		
	4	96	10	1	Stored energy in fuels (Fuels) #1-11	Packaging	
25	1	97		1	Stored energy in fuels (Fuels) #12-16	Cork, needle, peanuts, large & small cans, nail, metal spike, thermometer	
	2	98		2	Burning fuels	3 candles, 1x big & small glass bottle, box of matches	
	3	99		3	Safety with fire		
	4	100		X	TOPIC REVISION p126 LB		
26	1	101		X	Basic Target Worksheet Topic 10 p22		
	2	102		X	Advanced Target Worksheet Topic 10 p23		
	3	103	11	1	Energy and Electricity (Cells & Batteries)	½ cup salt, 1 cup vinegar, 11 copper coins, 10 circles coffee filter paper, 10 circles foil, 2 copper wires, LED, 1 torch battery, 2 connecting wires, bulb	
	4	104		2	Energy and Electricity (Mains Electricity) #1-5		
27	1	105		2	Energy and Electricity (Mains Electricity) #6-11		
	2	106		2	Energy and Electricity (Mains Electricity) #12-19		
	3	107		2	Energy and Electricity (Mains Electricity) #20-22		
	4	108		X	TOPIC REVISION p140 LB		
28	1	109		X	Basic Target Worksheet Topic 11 p24		
	2	110		X	Advanced Target Worksheet Topic 11 p25		
	3	111	12	1	Energy and movement	10 craft sticks; elastics; cardboard; marshmallows; plastic spoon	
	4	112		X	TOPIC REVISION p148 LB		
29	1	113		X	Basic Target Worksheet Topic 12 p26		
	2	114		X	Advanced Target Worksheet Topic 12 p27		
	3	115	13	1	Systems for moving things	Waste materials, Bottle tops, tins, 4 sositie sticks, thick cardboard, glue gun, sellotape	
	4	116		X	TOPIC REVISION p158		
30	1	117		X	Term 3 Practice Test p159-160		
	2	118		X	Basic Target Worksheet Topic 13 p28		
	3	119		X	Advanced Target Worksheet Topic 13 p29		
	4	120		X	TERM 3 TEST p99 TG (FORMAL ASSESSMENT)		

31	1	121	14	1	Planet Earth		
	2	122		X	TOPIC REVISION p166		
	3	123		X	Basic Target Worksheet Topic 14 p30		
	4	124		X	Advanced Target Worksheet Topic 14 p31		
32	1	125	15	1	The surface of the Earth #1-3		
	2	126		1	The surface of the Earth #4-10		
	3	127		2	Soil comes from rock #1-4		
	4	128		2	Soil comes from rock #5-7		
33	1	129		3	Soil types #1-5		
	2	130		3	Soil types #6-10		
	3	131		3	Soil types #11-15		
	4	132		3	Soil types #16-21	Clear plastic, bricks	
34	1	133		3	Soil types #22-31		
	2	134		X	TOPIC REVISION p186 LB		
	3	135		X	Basic Target Worksheet Topic 15 p32		
	4	136		X	Advanced Target Worksheet Topic 15 p33		
35	1	137	16	1	Sedimentary Rock	Jar with a screw-top lid, 500ml plastic tub	
	2	138		X	TOPIC REVISION p196 LB		
	3	139		X	Basic Target Worksheet Topic 16 p34		
	4	140		X	Advanced Target Worksheet Topic 16 p35		
36	1	141	17	X	TOPIC REVISION p210		
	2	142		X	Term 4 Practice Exam p211-213		
	3	143		X	Basic Target Worksheet Topic 17 p36		
	4	144		X	Advanced Target Worksheet Topic 17 p37		
37	1	145		X	FORMAL EXAM p103 TG		
	2	146					
	3	147					
	4	148					
38	1	149					
	2	150					
	3	151					
	4	152					
39	1	153					
	2	154					
	3	155					
	4	156					
40	1	157					
	2	158					
	3	159					
	4	160					