

P.7 SCIENCE SCHEME OF WORK FOR TERM II

V	P	THE	TOP	SUB	CONTENT	COMPETENCES	COMPETENCES		LSKILL	ACTIVIT	IMS	REF	R
K	D	ME	IC	TOP					S/value	Y			E
				IC		SUB	LAG		S				M
1	1	MA	SIM	WOR	SIMPLE MACHINE AND	The learner	Gives the	Discuss	Decisio	Explainin	Shoe soles	Mk sci 7	
		TTE R	PLE	K	FRICTION 1. meaning of machine	Explains the meaning of the	importan ce of	ion	n	g the meaning		page 60	
		ANI	MA		Device that simplifies work.	term machine,	machine	Explan	making	of terms	Vehicle tyre	- 65	
		AN D	CHI NE		2. importance of machines3. Meaning of work force	work, and force	Tells stories	ation	Critical thinking	Calculate simple	Knife	Fountai n sci 7	
		ENE RGY	AND FRI CTI		and energy 4. Examples of force gravity Inertia friction.	Does simple calculations on work	about machine	Guided discov ery	Fluency	numbers	Ball bearing	page 54	
			ON		5. C calculation of work and force	WOIK		,	Care		Hubs		

П	2	Fricti	1.Friction	The learner	Describin	Ermon:	Effectiv	Defining	Levers	Underst	\Box
	3			defines the		Experi mentat	e	Defining friction	Levers	0	
		on	Force that opposes motion		g friction		_	iriction		anding	ı
			between surfaces in contact	term friction	Dicc .	ion	commu	a		sci bk 7	.
			2. Types of forces	Identifies	Different		nication	Stating		page 99	1
			Static, dynamic, viscosity	types of	ways of			advantag		_	1
			32. Advantages of friction	friction	reducing			es of		Supple	1
			4. disadvantages of friction		and			friction		mentar	1
			5. ways of reducing friction	Mentions the	increasin					y level	1
			Oiling, greasing, rollers,	uses of friction	g friction			Ways of		science	1
			ball bearings					reducing		page 27	1
			6. Ways of increasing	Dangers of				and			1
			friction	friction				increasin			1
			Putting stones on roads					g friction			ı
			Putting steps on stair cases	Explain how							1
			Grooving handles on objects	to increase							1
				and reduces							ı
	5	Leve	Machines are grouped into	Distinguish	Shares	Observ	Proble	Group	Pulleys	Mk Bk 7	-
	3		simple and complex	between		ation		machines	Wedge		1
		rs	Simple and complex Simple machines have few	~~~~	experien	ation	m	macmines	Lever	page 66	1
				simple and	cing about	Illustra	solving		Lever		ı
			parts and don't need	complex							1
			training	machines	levers	tion					1
	6		Types of simple machines	Mention the	Draws	Discuss	Decisio	Drawing	Levers	Mk sci	
			Wedges, screw, pulley,	six classes of	and	ion	n	and	e.g	Bk 7	1
			inclined planes, wheel and	machines	labels		making	labeling	scissors	page	1
			axle		parts of	Explan		levers		176	1
			Lever, definition, parts of a	Defines the	lever	ation	Critical		Pliers		ıl
			lever	meaning of			thinking				ı
			load E	lever					Foot		ı
									arm		ı
			p	Names the							ı
				parts of a lever							ı
ш			<u>l</u>	parts of a level		l	l .				

_					I				I		1
	7		Class	Classes of lever	The learner	Differenti	Illustra	Effectiv	Classifyin	Real	Fountai
	a		es of	Levers are classifies into	classifies	ates each	tion	e	g levers	levers	n sci bk
	n	1	lever	three classes.	levers	class		commu	giving		7
	d			1st class – LPE		from	Experi	nication	examples	Scissors	
				2 nd class -PLE	States the	another	mentat		under		Underst
	8			3 rd class -PEL	orders of each		ion	Discussi	each class	Wheelb	anding
				Example of each	class of lever	-writes		on	of lever	arrow	sci bk 7
				1 st class 2 nd class 3 rd class		guided	Observ	making			Mk bk 7
				-See saw -Human -Tongs	Gives	notes on	ation	_	-self	Spade	page 68
				-Claw foot -human hammer - Nut arm	examples of	levers.		Logic	experime	-	- 72
				hammer - Nut arm cracker fishing	each class of	-draw		appreci	nts		
				rod	lever	and	Discov	ation			
						diagram	ery				
					Draws	J					
					diagrams						
					showing the						
					levers						
2	1]	Mom	Moments	Explain the	Explain	Observ	Proble	Defining	Seesaw	Baroqu
			ents	-A moment of force is the	mercury of	how to	ation	m	moments		e
	a		of	product of force and	moments	work out		solving			page71
	n	1	force	distance from the fulcrum		numbers		J	Calculatin		Teacher
	d		S	-The law of moment	States the law	on			g		's guide
				LXLA = E X EA	of moments	moments			numbers		75-77
				2m wm					on		
					Calculates				moments		
				90 60	numbers on						
				Anti clockwise = 90 x 2	moments						
				$60 \times w = 90 \times 2$							
	2			60w = 180							
				60 60							
				W = 3m							
Щ_				11 0111	I				l		

	1	1	T	I ,	a.	Las		- 0 .	I		\neg
3		Incli	Inclined plane	The learner	Sings	Observ	Decisio	Defining	Inclined	Mk sci	
		ned	-This is a sloping surface	explains the	songs	ation	n	term	planes	bk 7	
		plan	joining a lower level to a	meaning of	about		making		Ramps		
a		es	higher level	inclined plane	inclined	Illustra		Drawing		Fountai	
n					planes	tion	Proble	planes	Ladders	n sci bk	
d				Gives			m			7	
				examples of	Recites	Discuss	solving	Calculatin			
			2. Examples ramps ladders	inclined plane	rhymes	ion		g simple			
			stair cases, winding road		about the			numbers			
			Load = 5m	Calculates the	planes						
			Effort = 4m	work done							
4			Ww= L X P E40 = 10 X D	using inclined	Draws						
			= 10 X 4	plane	the						
			= 40	•	inclined						
					planes						
					•						
5		Wed	Wedges and screws	The learner	Shares	Guided	Critical	Defining	Wedges	Underst	
a		ges	<u>Definition</u>	Explains	life	discov	thinking	screws	and	anding	
n		and	Wedges double inclined	meaning of the	experien	ery		and	screws	sci Bk 7	
d		scre	plane with sharp edges	terms wedges	ce about			wedges			
		ws		and screws	screws			J			
			A screw is an inclined plane		and			Drawing			
6			wound ground a rod.	Writes the	wedges			examples			
				uses of wedges	J			of screws			
			Uses of screws and	and screws	Draws			and			
			wedges		examples			wedges			
				Gives the use	of screws						
			Examples of screws and	of each	and						
			wedges		wedges						
			-Screws clamp, nuts and								
			bolts		Spells						
					and						
			-Wedges exex, pangas,		pronounc						
			knifes etc		es terms						
					correctly						
	<u> </u>	1	L	l	correctly	l	l		i		

						1		1	1			
	7	/ /	Whe	Wheel and axle	The learner	Shares	Experi	Decisio	Defining	Pictures	Mk sci	1
	a	6	el	The meaning of wheel and	Explains the	life	ment	n	wheel	of	Bk 7	
	n	a	and	axle and gear wheels	meaning of	experien		making	and axle	wheel		
	d	a	axle		wheel and axle	ce on	Observ	effectiv		and axle	Page	
				Examples of each		wheel	ation	e	Carry the		82- 52	
				Door knobs, wind lass,	Gives	and axle		commu	importan	Real	Baroqu	
	8			bicycle handles	examples of			nication	ce of	objects	e page	
				Importance of each	each				wheel	,	84	
				F					and axle			
					States the							
					importance of							
					wheel and axle							
3	1	1	Pulle	Pullevs	The learner	Draws	Discuss	Decisio	Set	Pulley	Fountai	-
	a		ys	Definition of a pulley	Defines a	the	ion	n	experime	Tuney	n	
	n		y S	Parts of a pulley	pulley	pulley	1011	making	nt		integrat	
	d			Types of pulleys and their	puncy	Recites	Discov	making	_		ed	
	2			characteristics	Names parts	rhymes	ery		calculatin		science	
	-			<u>Characteristics</u>	of the pulley	on	Cry				Science	
				-Advantages and	of the pulley	pulleys	Demon		g -drawing		Mk Bk 7	
				disadvantages of each	Draws and	pulleys	stratio		-urawing		page 77	
				A B	names the	Spells	n				– 81	
				А В		and	11				- 01	
					main types of							
					a pulley	reads						
					C	terms						
					States the	correctly						
				↑	characteristic							
					of pulleys							
					3.6							
					Mentions the							
					advantages							
					and							
Ш					disadvantages							╝

4	3 a n d			Calculation on pulley Kakaire lifted a load of 50kg to a roof of a building. How much effort does he use if he uses a single fixed pulley $L = E = 50KG = E = 50KGF$ Single movable pulley $E = L = 50 = 25 KGF$ 2	The learner Works out problems on pulleys	Spells and pronounc es terms correctly	Explan ation	Critical thinking	Working and simple number on pulleys	Chalk board illustrat ion	Baroqu e page 83
1	5 a n d d	tigh t ene rgy	Sour ces and form s of light prod ucin g bodi es	-Definition of light -Sources of light -Natural and artificial light -Luminous and non luminous incandescent objects	The learner defines the term light Gives the uses of light Mentions the natural and artificial sources of light	Tell stories about light Shares experien ce about light	Experimentation Observation Think share and pair	Critical thinking Effectiv e commu nication	Defines the term Giving stories of light Natural and artificial	Real sources of light e.g -torches -candles -lamps	Mk sci 7 page 102 – 3 Fountai n integrat ed
3	7 a a n d d		Tran smis sion of light	Properties of light -Light travels in rays -Definition ray beam -Types of beams, parallel, converging, diverging -Light travels in a straight line -Experiments to show that light travels in a straight line	The learner - defines a shadow -Explains how shadow are formed -Defines transparent and translucent, opaque	Explains importan ce of transpar ent, transluce nt and opaque objects	Illustra tion experi mentat ion	Decisio n making	Defining shadows Explainin g how they are formed	- cardboa rds -pipes -candles -torches	Underst anding sci bk 7

	1			ı				1			
4 1		Effec	-Shadows	The learner	Explains	Illustra	Decisio	Defining	-candles	Underst	
a	1	ts of	-Definition	-Defines	importan	tion	n	shadow	-torches	anding	
n	ı	light		shadow	ce of		making		-balls	sci bk 7	
d	l	on	-Explains how they are	-Explains how	transpar			Explainin	-objects		
2	2	diffe	formed	shadows are	ent		Evaluati	g how	in the	Science	
		red		formed	transluce		ng facts	they are	compou	archoni	.
		mate	-Effects of shadow	-Defines	nt and			formed	nd	ng page	.
		rials		transparent	opaque		Creative			130 -	
			-Meaning of transparent,	translucent	objects		thinking			137	
			translucent, opaque	opaque							.
			-Uses of the above objects				appreci			Mk	
							ation			book	
										page	
										110 -	
										111	
3	3	ECLI	ECLIPSE	-Defines the	Draws	Illustra	Critical	Defining	Model	Mk sci	
a	ı	PSE	-Defn of an eclipse	term eclipse	diagrams	tion	thinking	the terms	of solar	Bk 7	
n	ı		-Types of eclipses	•					system	page	
d	l		Solar, lunar, their formation	-Identifies the			Logical	Drawing		112-	
			-The solar system (diagram)	types of			reasoni	diagrams	Chart	114	
			, , ,	eclipse			ng				
4	Ļ			•							
				-Explains how			awaren				
				each type is			ess				
				formed							

types of reflection States the law of reflection Calculates numbers on reflection Notation		-1 1	D (7	D G .1	mı ı		ъ.		TICC	l ni		
of light	5											
light A D B Mentions the types of reflection States the law of reflection Calculates numbers on reflection D Basic calculation B A mirror is a silvered glass on a plan mirror and plan mirrors plane mirrors or election e Plane and curved mirror or surface Characteristics of images formed b Erect Same distance Iight A D B Mentions the types of mentions the types of reflection below to reflection Calculates and pronounc es correctly Sapells and pronounc es correctly						diagrams	ion	thinking	communi	mirrors	_	
A D B Mentions the types of reflection States the law of reflection Calculates numbers on reflection Defines no na plan mirror is a silvered glass surface that reflects light plan emirrors Plane and curved plane mirrors or surface Characteristics of images formed by Same distance A D B Mentions the types of pronounc es correctly of reflection and pronounc es correctly of reflection Pronounc es correctly of reflection and pronounc es correctly of reflection Pronounc es correctly of reflection and pronounc es correctly of reflection Pronounc es correctly of reflection and pronounc es correctly of reflection Pronounc es correctly of reflection numbers on reflection Plane mirrors stories about reflection es correctly of reflection numbers on reflection numbers on reflection Plane mirrors plane mirrors reflection es correctly of reflection numbers on reflection numbers on reflection numbers on making plane mirrors with pronounc es correctly of reflection numbers on reflection numbers or reflection numbers on reflection num			-	- 1	reflection of				cation		sci bk 7	
types of reflection States the law of reflection Calculates numbers on reflection on a plane mirror or plane and curved plane and curved mirr or surface that reflects of images formed by Same distance formed by Same distance formed by Same distance formed by States the law of reflection states the law of reflection calculates numbers on reflection Calculates numbers on reflection es correctly of calculatin g numbers Tupes of reflection calculates numbers on reflection on a plane mirror surface especiall plane mirrors plane mirrors plane mirrors surface characteristic of images formed by plane mirrors same distance formed by plane mirrors same distance formed by plane mirrors surface characteristics of states the characteristic of images formed by plane mirrors same distance formed by plane mirrors same distance formed by plane mirrors surface characteristics of states the characteristic of images of surface formed by plane mirrors same distance formed by plane mirrors solving formed by plane mirrors formed by plane mirrors solving formed by plane mirrors solving formed by plane mirrors formed by plane formed by plane mirrors formed by plane formed formed by plane	a	ı	light	Laws of reflection	light	Spells						
Refle ction	n	ı		A, D, B	Mentions the	and			Drawing		Mk page	
States the law of reflection Calculates numbers on reflection Refle ction on a plane mirror A mirror is a silvered glass on plan plan plan plan plan e mirrors Plane and curved plane mirrors or surface to surface of images formeD Erect Calculatin g numbers Tells stories at silvered glass mirrors stories about reflection especiall plan end curved especiall of images formed by plane mirrors States the law of reflection calculates numbers Tells stories ation n g types of mirrors making mirrors about reflection especiall on thinking tics of proble a plane mirror solving of images formed by plane mirrors States the law of reflection calculatin g numbers Tells stories ation n g types of mirrors making mirrors withinking tics of proble a plane mirror images of proble a plane mirror images of proble a plane imirror images of proble a plane imirror images of proble a plane imirror images of proble aplane imirror images of images imirror images of proble aplane imirror images of images imirror images of proble aplane imirror images of images imirror images of images imirror images of images imirror images of images imirror images images of images imirror images images of images imirror images images of images i	d	i l			types of	pronounc			diagrams		117	
of reflection Calculates numbers on reflection Refle ction n n on a plan plan plan plan plan plan plan pla					reflection	es						
Calculates Cal				* * /	States the law	correctly			Calculatin			
Time Calculates numbers on reflection Reflection Defines Tells Stories ation n g types of mirrors sci bk 7				\!/	of reflection				g			
Refle Reflection on a plane mirror Ction on a plane mirror Ction on a plane mirror Ction on a surface that reflects light or Plane mirrors Plane				<i>1111111111111111111111111111111111111</i>	Calculates				_			
Refle ction on a plane mirror on a plane mirror on a plane mirror surface that reflects light or surface that mirrors have flat or surface that cells to formed by Same distance Refle ction on a plane mirror on on a plane mirror on a plane mirror on on a plane mirror on on a plane mirror on on a pla					numbers on							
ction on a plan plan plan e mirrors plane mirrors aufface that reflects light or surface contact plane mirrors have flat or surface formed plane mirrors formed plane mirrors of images formed plane distance plane mirrors or same distance plane mirrors date of images formed by plane mirrors aufface plane mirrors date of images formed by plane mirrors plane mirrors plane mirrors date of images solving plane mirrors plane	6			Basic calculation	reflection							
n d plan plan e plane mirrors plane mirrors plane mirrors plane mirrors plane mirrors plane mirrors or surface characteristics of images formeD Erect Same distance plane mirrors plane	7	7	Refle	Reflection on a plane mirror	Defines	Tells	Explan	Decisio	Identifyin	Plane	Supple	
Baroqu Plane mirrors Plane mirrors Plane mirrors Plane mirrors Plane mirrors have flat Plane mirrors have flat Plane mirrors have flat Plane mirrors have flat Plane mirrors Plane mirro	a	ı	ction	A mirror is a silvered glass	mirrors	stories	ation	n	g types of	mirrors	mentar	
d plan Types of mirrors plane mirrors from curved emirrors plane mirrors plane mirrors plane mirrors plane mirrors y using ion thinking tics of Baroqu images of proble a plane mirror y using plane mirrors plane mirrors plane mirrors plane mirrors plane mirrors plane mirror y using plane mirrors plane mirror y using plane mirrors plane mirror proble a plane mirror y using plane mirror y using plane proble a plane mirror y using plane mirror y using plane mirrors y using plane mirrors proble a plane mirror y using plane mirrors y using plane mirrors y using plane plane mirrors y using plane plane proble a plane mirror y using plane proble proble a plane mirror y using plane proble plane mirrors y using plane proble proble plane mirror y using plane proble proble plane mirrors y using plane proble proble plane mirrors y using plane proble proble plane p	n	ı	on a	surface that reflects light	Differentiates	about		making	mirrors		y level	
e mirr Plane mirrors have flat mirrors y using or surface Characteristics of images formeD Erect Same distance Flane mirrors plane mirrors from curved mirrors y using plane mirrors plane mirrors which ion thinking tics of mental thinking tics of mirrors mirrors proble a plane mirror is guide solving writing page 115	d	i	plan	Types of mirrors	plane mirrors	reflection	Experi				sci bk 7	
or surface Characteristics of images formeD Erect Same distance States the plane formed by Same distance States the characteristic of images formed by plane mirrors states the characteristic of images formed by plane mirrors solving solving solving the same distance states are plane formed by plane mirrors solving solving the same distance states are plane formed by plane mirrors solving solving the same distance states are plane formed by plane mirrors solving the same distance states are plane formed by			e		from curved	especiall	_	-critical	Stating x-			
Characteristics of images formeDcharacteristic of images formed by Same distancemirrorsproble ma plane mirror solvingTeacher mirror solvingErect Same distanceplane mirrorssolving-writingpage 115	8	3	mirr	Plane mirrors have flat	mirrors	y using	ion	thinking	tics of		Baroqu	
Characteristics of images formeDcharacteristic of images formed by Same distancemirrorsproble ma plane mirror solvingTeacher mirror solvingErect Same distanceplane mirrorssolving-writingpage 115			or	surface	States the	plane		-	images of		e	
formeD				Characteristics of images	characteristic	-		proble			Teacher	
Erect formed by Same distance plane mirrors solving -writing page 115				_	of images			-	_		's guide	
Same distance plane mirrors 115				Erect				solving	-writing		_	
				Same distance								
Laterally inverted State the uses				Laterally inverted	-							
Same size of plane				_	of plane							
mirrors					<u> </u>							
Uses of plane mirrors				Uses of plane mirrors								

		T	T =	T = -	I	T =	T			r r	_
5	1	Refle		Defines curved	TELLS	DISCUS	Decisio	Identifyin	Curved	Comp	
	a	ction	mirrors	mirrors	STORIES	SION	n	g the x-	mirrors	primary	
	n	of	 Curved mirrors have 	Identifies	ABOUT		making	tics f		science	
	d	curv	curved surfaces	types of	CURVED	EXPLA		images of	Plane	bk 7	
	2	ed	Types of curved	curved	MIRRORS	NATIO	Evaluati	both	mirrors	page	
		mirr	mirrors.	mirrors		N	ve facts	types of		109	
		ors	 Convex and concave 	States the	SPELLS			curved			
			mirrors	characteristic	CORREC	OBSER	Critical	mirrors			
			Characteristics of images	of images	TLY	VATIO	thinking				
			formed curved.	formed		N	_				
			Concave Convex								
			Erect Erect	Mention the							
			Dimished Magnified	uses of convex							
			Virtual Virtual	and concave							
			3. Uses of curved	mirrors							
			mirrors								
			IIII TOTS								
	3	Refle	Refraction of light	Defines the	Draws	Observ	Critical	Defining	-prism	Mk	
		ction	This is the bending of light	term reflection	diagrams	ation	thinking	refraction	-water	Primary	
	a	of	rays.		correctly				-rulers	science	
	n	light	Causes of refraction	States the		Illustra	Effectiv	Stating	-torch	page	
	d	8		causes of		tion	e	the		124	
	4			refraction		0.011	commu	effects of			
				10114001011			nication	refraction			
			Effects of refraction	Explains the			meation	Terraction			
			Zirotto or retruction	effect of							
				refraction							
				Terraction	l						

		1									
	5	Lei	_	<u>Lenses</u>	-Defines lense	Draw	Experi	-	Defining	-real	Functio
	a	es	I	Definition of a lense	-Names the	lenses	mentat	effectiv	lenses	lenses	nal
	n			Main types of a lens	two types of		ion	e			primary
	d		(Convex and concave	lenses	Spells		commu	Drawing		science
			I	Diagrams of each	-Draws each	correctly	-	nication	the types		
	6		F	Effects of each	lens		discov		of lenses		
			Į	Uses of each	-Explain the		ery	-critical			
					effect of each		-	thinking			
					on light		observ				
					_		ation				
					Gives uses of						
					lenses						
	7	OP	PTI (OPTICAL INSTRUMENTS	-Defines	Draws	Explan	Critical	Defining	Camera	Mk sci
	a	CA	AL I	<u>Definitition</u>	optical	the	ation	thinking	optical		bk 7
	n	IN	ST E	Examples camera,	instruments	optical			instrume	Models	
	d	RU	JM r	microscope, spects,	Gives	instrume		Care	nts	of some	
		EN	NT l	binoculars, human eye	examples of	nts				optical	
	8	S			optical	Tells		Evaluati	Drawing	instrum	
			Į	Uses of each	instruments	stories		ve facts	the	ents	
					-Mentions				optical		
					their uses			Critical	instrume		
								thinking	nts		
6	1	Dis	sp <u>I</u>	Dispersion of light	Explains how	Explain	Illustra	Decisio	Defining	Optical	Fountai
	a	ers		Definition of the dispersion	a spectrum is	how a	tion	n	dispersio	instrum	n sci bk
	n	n c	of c	of light	formed.	rainbow		making	n of light	ents e.g	7
	d	ligi	ht I	It is caused by refraction		is formed	Discuss	self	J	perisco	
				The colours are known as	Identifies the		ion	awaren	Stating	pe	
	2		S	spectrum (ROYGBIV)	spectrum in its			ess	the cause	-	
				Formation of a spectrum	order.			Appreci	of		
				A rain bow is a spectrum				ation	dispersio		
				caused when rain droplets	Explains ow a			Logical	n of light		
				disperse sunlght	rain bow is			reasoni			
					formed			ng			

	Col-	Colours of light	Mentions the	I	Cuidad	Duoblo	Classifier	liabe	Cumple
3	Colo	Colours of light			Guided	Proble	Classifyin	-light	Supple
a	urs	Are classified into three	primary		discov	m	g colours	colours	mentar
n	of	primary, secondary and	secondary and		ery	solving			У
d	light	complementary	complementar						primary
4		R B	y colours						science
		Primary – Red, blue, green							
		Secondary mangeta, yellow,							
		cyan							
		Reasons why objects are							
		coloured							
5	THE	THE PIN HOLE CAMERA	-Explains how	Practical	Critical	Making	Pin hole	-tins	Mk
a	PIN	Making and using a pin hole	to make a pin	investiga	thinkin	a pin	camera	-hard	primary
n	HOL	camera	hole camera	tion	g	hole		paper	sci BF
d	Е	Characteristics of image	-States the			camera		-	
	CAM	real, inverted, diminished	characteristics	Observati		Drawin		sellotap	
6	ERA	Uses of the parts	of images	on		g a pin		e	
			formed			hole		-tracing	
						camera		paper	
7	The	The human eye	-draws and	-writes	Decisio	-	-drawing	Charts	Fountai
a	hum	The structure of he human	names the	guided	n	decision	and	of the	n sci Bk
n	an	eye	parts of the	notes on	making	making	labeling	eye	7
d	eye		eye. (front and	the		Effectiv	the		
		Function of the parts	cross section)	human	-	e	human		Introdu
8		Characteristics of imaes	-States the	eye	demon	commu	eye		ction to
		formed	functions of	-reads	stratio	nication			biology
			the parts	words	n	-fluency			page
			-Mention the	and	-				130 -
			characteristic	sentence	observ				133
			of images	s	ation				
			formed						

	4	mrve	THE DISCOURS OF A PARTY	ъ .1	٠.	D 11	I	, .		77 1 .
7	1	THE	THE PHOTOGRAPHIC	Draws the	-writes	Proble	-	-drawing	A lens	Underst
	a	PHO	CAMERA	structure of	guided	m	decision	a lens	Camera	anding
	n	TOG	-Structure of a photographic	the camera	notes.	solving	making	camera		sci Bk 7
	d	RAP	-Functions of the parts lens,	State the	-real			-writing		
		HIC	film, shutter,diaphragm,	function of the	words	-		-		Science
		CAM	aprture.	parts	and	discuss		researchi		dictiona
	2	ERA	-Characteristucs of images		sentence	ion		ng		ry 130 -
			formed	Mention the	S					137
				characteristic		-				
				of the image		demon				
						stratio				
						n				
	3	Com	Comparison	-Compares the	-write	Discov	Compar	Writing	A chart	Supple
	a	paris	The human eye and pin hole	human eye	guided	ery	ing	Reading		mentar
	n	on	camera	and pin hole	notes			Drawing		у
	d			camera	-read					science
			The human eye and the	-Compares the	words					
	4		camera	ye with the	and					Science
				camera	sentence					dictiona
					S					ry page
										81 -87
	5	Eye	Eye defects	Mention the	-writes	Guided	Stating	Critical	Chalk	
	a	defec	-An eye defect is an error or	common eye	the given	discov	eye	thinking	board	Underst
	n	t	fault of the eye	defects	words	ery	defects		illustrat	anding
	d		-Common eye, defect,		-reads			Creative	ion	intergra
			myopia, hypermetropia,	Mention the	the given	Guided	Writing	thinking		ted
	6		astigmatism	causes of each	words	discuss			Chart	Science
			-Causes of each defect	defect	-	ion	Reachin	Effective	showin	page 77
			Correction for each		pronounc		g	communi	g eye	-78
				Explain how	es the	Market		cation	defects	Mk Page
				each is	given	stall				138 -
				corrected	words					139

			1	1			1			
7		Eye	Eye diseases	Identifies the	-writes	Observ	Identify	-self	Chalk	Mk Page
a		disea		common eye	guided	ation	ing eye	awarenes	board	140 -
n		ses	trachoma,conjuctivitis, iritis,	disease	notes on		diseases	S	illustrat	141
d		and	river blindness		the	Illustra	and	-problem	ion	
		care		States the	human	tion	their	solving		Baroqu
8		for	-Causes of each disease	causative	eye		solution			e
		the	-Signs and symptoms	agent						integrat
		eyes	-Prevention /control							ed
			-Care for the eye	Identifies the						Science
			-	signs and						page
				symptoms						127-
										128
				Suggests ways						
				of controlling						
				them						
8 1	THE	Inter	Interdependence of things	The learner;	Spells	Brain	Explaini	Self	Realobj	Mk
a		depe	in the environment	explains how	terms	stormi	ng how	awarenes	ects in	Intergra
n	ENV	nder	.Animals depending on	living things	and	ng	things	S	the	ted
d	IRO	ce of	plants	depend on	pronounc		in the		environ	Science
2	NM	thing	. Animals depending of	each other	es the		environ	-	ment	page
	ENT	s in	animals		correctly	Market	ment	appreciati		145 -
		the	.Plants depending on plants	Living things	-reads	stall	depend	on		148
		envi	llving things depending on	depend on non	words		on each			Baroqu
		onm	non living things	living things	and	Discuss	other	-effective		e
		ent	Non living things benefit		sentence	ion		communi		Teacher
			from living things		s about			cation		's giuide
					interdepe					page
					ndence			Fluency		133-
										137
								Care		

2		Λ σ = 0	Agnofonocture	Defines the	versitos	Discuss	Dogigie	Miting	Chalk	Mk Bk 7	\neg
3	1	Agro	Agroforestry -Definition		-writes		Decisio	Writing			
a		fores		terms	guided	ion	n	D 1:	board	page	
n		try	Importance of agro	a	notes on		making	Reading		157 -	
d			forestry	States the	agro	Demon				158	
4			-Improves on yields	importance of	forestry	stratio	Critical			Baroqu	
			-Trees act as wind breaks	agro forestry		n	thinking			e	
			-Improves on soil fertility			Observ				Teacher	
			-Controls soil erosion	States factors		ation				's guide	
			Selection of species of	considered		Field	Effectiv			page	
			agro forestry ie a tree must	when selecting		trips	e			139	
			be	trees			commu				
			-Easy to propagate				nication				
			-Mature early								
							Appreci				
							ation				
5		GRO	GROWING TREES AND	States the	Name	Observ	Effectiv	Identifyin	Chart	Underst	
a		WIN	CROPS	practices	trees	ation	e	g trees for	showin	anding	
n		G	PRACTICES INVOLVED	involved in	-writes		commu	growing	g		
d		TRE	-Collection of seeds	growing trees.	guided	-	nication	-reading	nursery	Integrat	
6		ES	-Starting a nursery tree.		notes on	discov		J	bed.	ed sci	
		AND	Care for seeds	Mention the	tree	ery	-			book 7	
		CRO	-Importance of a tree	importance of	growing	-	decision			page	
		PS	nursery	a tree nursery		discuss	making			160 -	
			-Harvesting methods			ion				163	
			lopping, pollarding,	States ways of			-fluency				
			coppicing	harvesting			-care				
			coppients	trees			care				
				11000							

_	_					1	_				
	7		Type	Types of trees	States the	Names	Explan	Self	Identifyin	Field	Underst
	a		s of	There are two types of trees.	difference	trees	ation	awaren	g types of	study	anding
	n		trees	Ie indegenous and exotic	between			ess	trees for		
	d			trees.	indigenous		Discov		growing		Integrat
	8			Difference between	and exotic		ery				ed
				indigenous and exotic trees							science
				EXAMPLE OF EACH	Gives at least						bk 7
				Indegeneous trees, mvule,	five examples						
				Nkago, Nkalati	of each type of						
				Exotic trees: mango, guava,	trees						
				cypress, pinc, neem trees etc							
9	1	THE	com	COMMON HEALTH	The learner	Names	Group	Creative	Defining	Chalk	Mk
	a		mon	<u>CONCERNS</u>	Explains the	common	discuss	thinking	related	board	Integrat
	n	CO	healt	Definition of terms;	meaning of the	health	ion		terms	illustrat	ed
	d	MM	h	population, health	terms			Effectiv		ion	Science
	2	UNI	conc	Common population and			Discov	e	Identifyin		Book 7
		TY	ern	health concerns e.g poor	Mentions the	Identifies	ery	commu	g sickness		page
		POP		sanitation, inadequate food,	common	sickness		nication	and their		173
		ULA		antisocial behaviour, poor	health	and their			causes		
		TIO		water supply	concerns	causes		Taking			
		N						decision			
		AN		Poor sanitation	States the						
		D		Definition	effects of poor						
		FA		Elements of sanitation	sanitation						
		MIL		Causes							
		Y		Effects of poor sanitation e.g							
		LIF		sickness							
		E									

3	Anti	Anti social behaviours	Defines the	Tells	Discuss		Defining	Charts	Mk Pri
a	soci	Definition of terms anti	related terms:	stories	ion		related	and	sci bk 7
n	al	social behaviours	Anti social	about	1011		terms	books	page
d	beha	Social beliaviours	behavior,	anti	Explan		terms	showin	176-
4	vior	Examples of anti social	delinquency,	social	ation		Discussin		177
1	S	behaviors; drug abuse,	trancy etc	behavior	ation		g anti	g differen	177
	3	arson, lying, truancy	trailty etc	s in their	Project		social	t anti	
		arson, lying, truancy	Gives	locality	Froject		behaviors	social	
		Causes of anti social	examples of	Read	Gallery		Dellaviors	behavio	
		behaviors	anti social	words	walk		Providing		
		Denaviors	behaviors	and	Walk		solution	ur	
		Effects of anti social	Dellaviors	sentence			to such		
		behaviors	States the	s about			acts		
		Denaviors		the acts			acis		
		Solution to anti social	causes	tile acts					
		behaviors	Mentions their						
		Denaviors	effects						
5	Sexu	Sexual deviations	Names several	Telling	Guided	_	Identifyin	Present	Underst
a	al	Examples of sexual	sexual	stories	discov	decision	g sexual	ation	anding
n	devi	deviations –rape,	deviations	they hear	ery	making	deviation	showin	sci bk 7
d	atio	defilement, bestiality,	deviations	about	Cry	making	S	g effects	SCI DK /
6	ns	homosexual, lesbianism,	Defines the	such	Jigsaw	-critical	3	of	Mk Bk 7
	113	insect, adultery.	sexual	deviation	Jigsaw	throwin	Stating	sexual	page
		misect, additery.	deviation	deviation	Discov		ways of	deviatio	179
		Describes ways of curbing	Gives ways of		ery	g	curbing	ns	
		the sexual deviations;	avoiding	Defines	Cry	Proble	the	113	Baroqu
		Guidance and counseling	sexual	term		m	deviation		e
		Arresting assailants	deviation	clearly		solving	S		
		Sensitizing the masses	acviation	cicarry		Joiving			Teacher
		Sensitizing the masses		Spells					's guide
				pronounc					53
				es the					
				terms					
				correctly					
				correctly					

	7	D	oor	Door water supply	Gives uses of	Cina	hEngin		Civing the	Challe	Mk	\neg
	/			Poor water supply		Sing	-b5rain	- 1::	Giving the	Chalk		
	a		vate	-Importance of water	water	songs	stormi	decissio	importan	board	intergra	
	n	r		-Ways water gets	Mentions	about	est	n	ce of		ted	
	d		upp	contaminated	ways water	water		making	water		page	
	8	ly	y	-Effects of poor water	gets		-				174	
				supply the water associated	contaminate	Recite	discuss	Critical	Giving			
				diseases and their examples	Gives the	rhymes	ion	thinking	ways in			
				Water borne diseases	effects of poor	about			which			
				Water contact diseases	water supply	water		Proble	water			
				Water habitat diseases	111			m	gets			
				Water cleared diseases				solving	contamin			
								J	ated			
1	1	I	nad	Inadequate food	Defines term	Tells	Discuss	Definin	-decision	Flip	Mk sci	
0	a	e	equa	Definition of terms e.g food		stories	ed	g term	making	charts	Bk 7	
	n	te	-	security, food scarcity,	Food security	about		U				
	d	fo	ood		Food scarcity	inadequa	Explan	Stating	-critical			
	2			Food is essential for health		te food	ation	causes	thinking			
	_			1 000 10 000011101 101 1100101	States causes	1000	461011	of				
				Poor feeding leads to poor	of inadequate		Discov	inadequ	-effective			
				health weakness and	food		ery	ate food	communi			
				diseases.	Provides		Cry	att 100a	cation			
				uiscases.	solution to			Providi	cation			
				Causes of inadequate food	inadequate							
					food			ng solution				
				Laziness, poverty, pests and	1000							
				diseases, over population				to				
				Inadequate food				inadequ				
Ш								ate food				

a v n s d a e tt	ritie had A A ddr pe ess ov he erns W	tetivities to address the tealth concerns I home is a place where teople live and share wnership of things Tealth concerns in a home Ways of improving anitation in the home.	Defines a home Mentions at least five ways of improving sanitation States the basic requirement	-reads word. -narrates stories -reading sentence	Discuss ion Gallery walk		Decision making -effective communi cation	Chalk board	Underst anding sci bk 7
	In Fo	The requirements of a clean ome rubbish pit toilet athroom, utensils rack, itchen Inadequate food. Food security activities to address health oncern. Care for home Health survey	of a clean home -explains the meaning of inadequate food.	- Reads words and sentences about population and health.	Discuss ion Demon stration . Observ ation Discov ery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communic ation	Appreciation Respons ibility. Care Taking decision Making right choices. Logic	MK ,Fountai n, ,SC. Bk 7

			address the health concerns							
		Health education Having a family budget. Advantages of family budgeting	-explains health education -explains the family budgetgives the advantages of having a family budget	- Reads words and sentences about population and health	Discuss ion Demon stration Observ ation Discov ery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communic ation	Appreci ation Respons ibility. Care Taking decision	MK ,Fountai n, ,SC. Bk 7	

Demography.	- Reads	Discuss	Writing	Decision	Fluency	MK
Importance of demography.	words and	ion	Reading	making	Appreci	,Fountai
Housing information.	sentences	Demon		Critical	ation	n, ,SC.
Available health services.	about	stration		thinking.	Respons	Bk 7
-immunization	population			Problem	ibility.	
-Family planning	and health.	Observ		solving	Care	
-treatment of infections		ation		Effective	Taking	
Provision of water.		Discov		communic	decision	
Control of epidemic diseases		ery		ation	Making	
		method			right	
					choices.	
					Logic	