## SMART STAR EXAMINATIONS BOARD

## PRIMARY SIX SCHEME OF WORK

**TERM: Term one** 

**YEAR: 2025** 

SUBJECT: Integrated science

7	V P	T	T	SUB	COMPE	TENCES	CONTENT	METHODS	ACTIVITI	L/T	LIFE	RE	R
F	K D	Н	0	TOPIC			-		ES	AIDS	SKILLS	F.	$\mathbf{E}$
		E	P								AND		M
		M	Ι		SUB.	LANG.		\\			VALUES		
		E	C		SOB.	DANG.		1)					
1	<b>2</b>		C	Verteb	The learner;	The learner;	Definition of		<ul><li>Observing</li></ul>	<ul><li>Presentat</li></ul>	<u>Life skills</u>	Com	
	0	T	L	rates	• identifies	<ul><li>reads and</li></ul>	living	<ul> <li>Observation</li> </ul>	different	ion		prehe nsive	
		Н	Α	(warm	examples of	spells words	things		vertebrates	showing	1. Effective	Prim	
		E	S	bloode	living things		<ul> <li>Examples of</li> </ul>			different	communic	ary	
			S	đ	• mentions	vertebrates	living things	•Guided	•Identifying	vertebrat	ation	Sch. Scien	
1	1	W	I	verteb	characterist		Characteristics	discussion	examples of	es	-Fluency in	ce	
	)	0	F	rates)	ics of living	✓ poikilotherm	of living things		living things		reading words	Bk6	
		R	Ι	•	things	of the state of t	Groups of living	• Guided	T.1 d.C. i.e		-Audibility	Pg3- 21	
		L	С		• gives	mie	things	discovery	•Identifying		-Confidence	41	
		D	A		groups of living things	✓ homeotherm	0		groups of living		-Articulation	Unde	
3	3		Т		• mentions	ic	<ul> <li>Groups of animals</li> </ul>		things		of words	rstan	
		0	I		groups of	marsupials	aiiiiiais		•Identifying		-Accuracy in	ding Integ	
		F	O		animals	monotremes	<ul> <li>vertebrates and</li> </ul>		vertebrates		spelling	rated	
			N		• identifies	cetaceans	invertebrates		and		words	Scien	
					vertebrates		• Characteristic of		invertebrat		<u>Values</u>	ce Bk 6	
			O		and		vertebrates		es from		<ul> <li>Cooperation</li> </ul>	Pg 3-	
			F		invertebrate		• Groups of		pictures of		<ul><li>Appreciation</li></ul>	23	
			_		s				animals				

L I V I N G T H I N G S	L I V I N G T H I N G S	Mamm als	• gives characterist ics of vertebrates • identifies groups of vertebrates • states the characterist ics of mammals	• writes words and sentences about vertebrates correctly	vertebrates • Characteristics of mammals • Groups of mammals	Observation     Guided discussion	•Observing pictures and video slides of different mammals and birds •Identifying groups of mammals	•Presentat ion showing different mammal s		Func tional Prim ary Sci Pg 8-21  New Biolo gy for Tropi cal Scho ols Pg 57-63	
		Birds	<ul> <li>gives the characterist ics of birds</li> <li>describes the groups of birds</li> <li>states the importance and dangers of birds in the environmen t</li> </ul>		<ul> <li>Characteristics of birds</li> <li>Groups of birds</li> <li>Importance and dangers of birds in the environment</li> </ul>		•Identifying and classifying birds in various groups				
		Cold bloode d verteb rates	The learner; • Observes different cold blooded	The learner; • reads and spells words like amphibians, reptile,	<ul> <li>Groups of cold blooded vertebrates</li> </ul>	<ul><li>Observation</li><li>Guided discovery</li></ul>	• Observing cold blooded vertebrate s	•Video slides showing different reptiles and	Life skill Creative thinking ✓ Logical reasoning ✓ Critical	Com pre. Pri. Sci Bk 6 Pg. 21 –	

_							1		_	1	
			vertebrates	tadpole				amphibia	thinking	36	
			<ul><li>mentions</li></ul>	correctly.				ns	✓ Respondin	Unde	
			groups of	• writes words					g to	rstan	
			cold	and		• Guided		<b>/</b>	questions	ding	
			blooded	sentences		discussion		<i>"</i>	appropriat	integ	
			vertebrates	Correctly					ely	rated	
				Correctly						sci.	
			• Observes		• Reptiles	Observation (	Naming		Values	bk 6 pg 12	
		Reptil	different		• Characteristics		different		✓ Cooperati	– 13	
		e	reptiles		of reptiles	Guided 2	groups of		on	10	
			• states		• Groups of	discussion	reptiles		✓ Sharing	Intro	
			characterist		reptile		repense			ducti	
			ics of		Tepthe					on to biolo	
			reptiles							gy pg	
			• describes							161 -	
			describes							165	
		A 1. :	• groups of	Draws and	• Definition of	*)	• Identifying	•Models of		New	
		Amphi	reptiles	names	amphibians		examples	amphibia		biolo	
		bians	• describes		• Examples of		of	ns		gy for	
			amphibians	toads and	amphibians		_	•A frog/ a		tropi	
			-	frogs	• Difference		ns	toad		cal	
			• gives	11083			• Stating	todd		scho ols	
			examples of		between frogs		difference			pg 45	
			amphibians		and toads		s between			- 55	
			• states		• Feeding and		a frog and			_	
			differences		breathing of		a toad			Func tional	
			between		frogs and toads		a wau			prim.	
			frogs and							Sci.	
			toads		• Adaptation of a					pg 22	
			• describes		frog to living in					- 34	
			the feeding		water						
			and		• Importance of						
			breathing		amphibians in						
			frogs and		the environment						
			toads								
			• states the								

Fish	adaptations of a frog to living in water.  The learner; Observes features of a fish. draws and names external features of a fish states functions of	The learner; • Reads and spells words about fish correctly e.g. operculum, pectoral fin, caudal fin etc. • Writes words and	<ul> <li>Characteristics of fish</li> <li>External features of fish</li> <li>Functions of parts of a fish</li> <li>Types of fish</li> <li>Reproduction, breathing and feeding in fish</li> <li>Adaptation of</li> </ul>	Observation     Guided discovery     Guided discussion	<ul> <li>Observing the structure of the gills</li> <li>Drawing and naming parts of fish</li> </ul>	<ul> <li>Specime n of fish</li> <li>A chart showing the external features of a fish</li> </ul>	Life skill  • Creative thinking  ✓ Logical reasonin g  • Critical thinking  ✓ Responding to questions	Com pre. prim. sch. Sci. bk 6 pg 21 – 36  Intro ducti on to biolo gy pg
	parts of a	sentences about fish	fish to living in water		• Identifyin		✓ appreciat ion	158 – 160
	<ul><li> gives types of fish</li><li> describes</li></ul>	correctly.	• Importance of fish		g external features of a fish			MK integ rated
	reproductio n, breathing and feeding				• Drawing and		Values ✓ Coopera tion	sci. bk 6 pg 17
	in fish • describes adaptation				naming the parts of the		✓ sharing	Func tional prim.
	of fish to living in water				gills • Explainin g the functions			Sci. pg 30 - 31
	importance of fish				of different parts of a fish			

		Invert	The learner;	The learner;					Life skill	Com
		ebrate	•	,	•invertebrates	Guided	<ul><li>Naming</li></ul>	<ul> <li>Pictures</li> </ul>	• Creative	prehe
		s	characteristic s of	•reads and spells words	•Groups of invertebrates	discovery	the groups	of some invertebr	thinking ✓ Logical	nsive pri. Sch.
		Arthro pods  Mollus cs  worms	<ul> <li>invertebrates</li> <li>Mentions the groups of invertebrates</li> <li>Describes the different groups of</li> </ul>	_	•Characteristics and examples of different groups of invertebrates	• Guided discussion	invertebrat es •Observing specimens of different invertebrat es •Drawing life cycles of different insects •Identifying differences and similarities in lifecycles	ates • Specime ns of invertebr ates i.e.insect s, milliped es.	reasonin g • Critical thinking ✓ Respondi ng to question  Values ✓ Coopera tion ✓ sharing	Sch. Bk6 Pg36 -48  Intro ducti on to biolo gy Pg 224- 228 Pg 146- 156
4	S	S	The learner;	The learner;			mecycles		Life skills	Com
			•identifies the	•reads and	• Definition of	•Guided	•Listening	drums,	• Effective	prehe
T	เ		sources of	spells words	sound	discussion	to sound	tube	communica	nsive
	l -	_	sound	about sound	<ul><li>Sound</li><li>Sources of sound</li></ul>		produced	fiddle,	tion	Pri. Sch.
O	N		•describes	correctly i.e.			in the	bow	-fluency	Bk 6
6	E N E R G	; ; ; ;	odescribes how sound is produced and how it travels in different materials ostates the properties of sound	orrectly i.e.  ✓ Pitch  ✓ Amplitude  ✓ Percussion  ✓ Vibration  ✓ Frequency  •writes words  and sentences  about sound  correctly	<ul> <li>How sound is produced and how it travels in different materials</li> <li>Properties of sound</li> <li>Speed of sound in solids, liquids and gases</li> </ul>		in the environme nt  •identifying different sources of sound from the environme nt	bow harp, bottles, water	-fluency -articulation n -accuracy Values -care -sharing Process skill Observation	Abbo rt physi cs Pg 312-320

Pitch	•describes		• Pitch, volume	• Demonstr	•Carrying	• Bell	Life skills	Unde
Volum	pitch, volume		and frequency of			• Bow	<ul> <li>Effective</li> </ul>	rstan
е	and		sound	<ul> <li>Observatio</li> </ul>	experiment	harp	communica	ding
freque	frequency of		<ul><li>Musical</li></ul>	n	s on sound	• Thumb	tion	integ
ncy	sound		instruments.		as a form	"piano	-fluency	rated
псу	•describes				of energy	1	-articulation	scibk
	how different				and how it		n	6 Pg24
	musical				is		-accuracy	-35
	instruments				produced		Values	Func
	produce				Experimen		-care	tional
	sound				ts on pitch,		-sharing	pri.
					volume		-Observation	Sci. bk6
					and		-Logical	Pg24
					frequency		reasoning	-35
					of sound.			
				\	or souria.			
Echoe	The learner;	The learner;	• Echo	• Guided	Giving			Mk
s	• describes	1	• Uses of echoes	discussion		• Soft		integ
3	echoes	writes	• Dangers of	aiscassioii	controlling	board		rated
	• States the	sentences	echoes	• Experimenta		• Curtains		pri. Sci.
	uses and	about echoes	• How echoes are	tion		• CD		bk6
	dangers of	correctly	controlled.	CIOII	stored	player		Pg
	echoes	correctly	• Calculating	• Guided	sound on a	• CDs		36-
	<ul><li>States ways</li></ul>		distance, speed	discovery	CD player	• Memory		44
	of controlling		and time in	discovery	Calculatin	card		Com
	echoes		sound		g the speed	Caru		pre.
	• Calculates				of sound			Pri.
	distance,		• Ways of storing		<ul><li>Naming</li></ul>			Sch.
	,		and reproducing		devices			Sci. bk6
	speed and		sound		used to			Pg
	time in sound				store and			312-
					reproduce			320
		i e			-			
	•storing\and				barros			
	reproducing				sound			Func
					sound			Func tional pri

	The	The learner;	The learner;	•Structure of the		• Identifying	• Model of	Life skills	bk6
	mamm	<ul><li>Observes</li></ul>	<ul><li>reads and</li></ul>	mammalian ear	<ul> <li>observation</li> </ul>	parts of	human	<ul> <li>Self</li> </ul>	pg 68-
	alian	parts of the	spells words	<ul> <li>Functions of</li> </ul>		the	ear.	awareness	69
	ear	human hear.	about the ear	the parts of		human		<ul> <li>Self</li> </ul>	Intro
		<ul><li>draws the</li></ul>	correctly e.g.	mammalian	<ul> <li>Guided</li> </ul>	ear	<ul><li>Chart</li></ul>	identificati	ducti
		structure of	✓Eustachian	ear	discussion	<ul> <li>Naming</li> </ul>	showing	on	on to biolo
		the	tube			parts of	the	<ul> <li>Self</li> </ul>	gy pg
		mammalian	✓ Auditory	• The hearing		the	structur	evaluation	134-
		ear	canal	process		mammalia	e of the	<ul> <li>Creative</li> </ul>	135
		<ul><li>states the</li></ul>	√Cochlea			n ear	mammal	thinking	Com prehe
		functions of	•reads and	<ul> <li>Ear defects</li> </ul>		<ul> <li>Observing</li> </ul>	ian ear.	<ul><li>Logical/</li></ul>	nsive
		the parts of	writes	and ways of		and		Reasoning	prisc
		the ear	sentences	caring for the		listening	• Presenta	Values	hsci
		•describes the	about the ear	ear		to the	tion	<ul> <li>Appreciatio</li> </ul>	bk6 pg66
		hearing	correctly			video	showing	n	-68
		process			<b>\</b>	showing	the	care	Func
		•gives the ear				the	hearing		tional
		defects and				hearing	process.		pri. Scibk
		how to care				process.			6 pg
		for the ear							69-
									72
				9)					
	/N1	/// / 1	Mb = 1 = = = = = = = = = = = = = = = = =	To Cariting of	Damasastastia	D	N/L 1.1	T : C = 1-:11-	New
C	The	The learner: • Defines	The learner; • reads and	<ul><li>Definition of blood</li></ul>	Demonstratio	• Drawing the	• Model of the	<ul><li>Life skills</li><li>Self</li></ul>	tropic
I		blood	spells words	circulation	n	structure	heart.		al biolog
R	H	circulation	about the		Guided	of the	• Chart	<ul><li>awareness</li><li>Self</li></ul>	y pg
C	е	•Identifies the	circulatory	• Components of the circulatory	discovery	circulator	• Chart showin	identificati	162-
U	а	component of	system	system	discovery	y system	g the	on	169 Comp
L	r	the circulatory	correctly	• Structure of		• identifyin	parts of		rehen
A	t	system	Circulation	the heart		g	the	evaluation	sive pri.
T		•draws the	✓ Aorta	• How the heart		compone	heart.	<ul><li>Creative</li></ul>	Sch
0		structure of	✓ Valve	works		nts of the	• Present	thinking	scienc e bk5
R		the heart	✓ Bicuspid	Blood		circulator	ation	• Logical/	Pg105
Y		• describes	✓ Tricuspid	circulation in		y system	showin	Reasoning	-113
		- ucseriocs	I-	Circulation in		J 25 223111	5110 11111	Reasoning	Under

S Y S T E M	how the heart works  • describes blood circulation in the body  • Identifies the organs related to the circulatory system.	✓ Septum	the body • Organs related to the circulatory system		Identifyin     g and     naming     parts of     the heart     Observin     g how the     heart     works	g how the human works.	Values     Appreciatio     n     Care     Observatio     n	standi ng integr ated sci bk 6 Pg154 -158  Mk integr ated scienc e bk6 Pg154 -158 Mk integr ated scienc i bk6 Pg217
B 1 0 0 d	The learner; • describes the components of blood • states the functions of blood • describes the blood groups • describes blood transfusion	correctly e.g. ✓ Erythrocytes	<ul> <li>Blood</li> <li>Components of blood</li> <li>Functions of blood</li> <li>Blood groups</li> <li>Blood transfusion</li> </ul>	Demonstratio n Guided discovery	<ul> <li>Identifyin g the structure s of different blood cell</li> <li>Stating functions of blood</li> <li>Identifyin g blood groups</li> </ul>	<ul> <li>A chart showin g blood cells.</li> <li>A video present ation showin g how exchan ge of gases takes place in the body.</li> </ul>	Life skills  Self awareness  Self identificati on  Self evaluation  Creative thinking  Logical/ Reasoning Values  Appreciatio n care	-226

	1	The learner;	The learner;	. D1 1 1.			Chart	Life skills	Introd
	D1 1	• Identifies	• reads and	Blood vessels	Guided	. Nomina	showing	• Critical	uction
	Blood			• Structures of		Naming			to biolog
7	vessel	examples of the blood	spells words	different blood	discovery	the blood	an artery	thinking	biolog y
	S		about blood	vessels		vessels	Vein	• Respondin	Pg 93-
<b>T</b>		vessels	vessels correctly	• Differences	Observation	• Drawing	& &	g to	100 Under
0		• draws	e.g. ✓Lumen	between veins	Observation	diagrams	capillarie	questions	standi
		diagram	✓ Carotid	and arteries		showing	-	appropriat	ng
		S -1i		Major blood		the blood	S	ely	integr atedsc
8		showing	✓ Jugular vein ✓ Mesenteric	vessels in the		vessels		• Taking	i bk6
		arteries,	• reads and	body		Differenti		decision	Pg155 -156.
		veins				ating			-130. New
		and	writes			between			tropic
		capillari	sentences about blood			a vein			al biolog
		es				and an			у
		• identifies the	correctly			artery			pg162
		major blood			")				-169.
		vessels in							
		the body							
	Diseas	The learner;	The learner;	Diseases and	Guided	<ul> <li>Observing</li> </ul>	• A video	Empathy	Com
	es	<ul> <li>Observes</li> </ul>	<ul> <li>reads and</li> </ul>	disorders of the	discussion	affected	presenta	• Caring	preh
	And	affected	spells words	circulatory		blood	tion	• Comforting	ensi
	Disord	blood cells	about the	system		cells.		• Listening to	ve
	ers of	<ul> <li>describes</li> </ul>		<ul><li>Ways of</li></ul>	Observation	<ul> <li>Identifying</li> </ul>	blood	others	pri.
		the diseases	circulatory	preventing and		the	cells	Values	Sch
	the	and	system	controlling the		diseases	affected	• care	Sci
	Circul	disorders of	correctly	diseases of the		and	by sickle	• concern	bk5
	atory	the	✓ Leukaemia	circulatory		disorders	cell,anae	• self reliance	Pg
	syste	circulatory	<b>√</b> Heomophilia	system		of the	mia and	Sch Tchance	105-
	m	system	Anaemia	<ul><li>Ways of</li></ul>		circulator	leukemi		113
		3	• reads and	maintaining		y system	a.		Mk
		ways of	writes	proper			• A chart		inte
		preventing	sentences	functioning of			showing		grat
		and	about the	the circulatory			blood		edsc
		controlling	diseases of the	system.			cells		ibk6

9		A 1	Alcoho 1		circulatory system correctly  The learner; • reads and	Definition of alcohol	• Guided discussion	•Naming examples	affected by sickle cell,anae mia  • Ripe banana	<b>Life skills</b> -self esteem	Pg 218- 226 Comp . pri. Sci	
	T.	C	in the	alcohol is. • describes the	spells words about alcohol	<ul> <li>Methods of making alcohol</li> </ul>	• Illustration	of alcoholic drinks.	• Sorghu m flour	-expressing likes	bk6 Pg116	
T	H u	o h	the Societ	methods of		<ul><li>Meaning of</li></ul>	- Indication	•Doing an	• Chart	&dislikes	-120 Under	
	m	0	У	0	<ul><li>fermentation</li></ul>	alcoholism		experiment	showin	-Self	standi ng	
	a	1	J	alcohol • Describes	• Distillation	• Reasons why		on distillation.	g distillat	appreciation -decision	integr atedsc	
1	n			alcoholism		people take alcohol		fermenting	ion of	making	i bk6	
0	**	S		• states		• Effects of	$\mathbb{N}$	banana	alcohol	-refusal	Pg62- 66	
	H	m		reasons why		alcoholism		juice		-asking	Funct ional	
	e a	o k		people take alcohol		• Ways of		•Dramatizin		questions -telling	pri. Sci	
	1	i		• describes the		avoiding alcoholism		g alcoholism		consequence	bk6	
	t	n		effects of		acoronsin				s of	Pg99- 106	
	h	g		alcoholism						decisions made.	Mk Integr	
		_		to an individual						Values	atedsc	
		A		family and						-endurance	ibk 6 Pg 81-	
		n d		community						-	89	
		u		• suggests						responsibilit		
		D		ways of avoiding						y -concern		
		r		alcoholism						-self reliance		
		u		<ul> <li>gives the</li> </ul>						indonerder-		
		g		types of	V/					independenc e		
		s		smoking • gives						_		
				reasons for		• smoking						

	I	Smoki	smoking		• types of	Observation	•Observing	Tobacco	Life skills	
			The learner;	The learner;	• types of smoking	Obscivation		leaves	• Self	Comp
	T h e	ng	<ul> <li>Observes products from tobacco</li> <li>mentions effects of</li> </ul>	• reads and spells words about smoking correctly e.g.	<ul> <li>smoking</li> <li>Reasons for smoking</li> <li>Effects of smoking to an individual, family and</li> </ul>	Guided discovery	products from tobacco  • Giving reasons why people	Cigarette	<ul> <li>Self esteem</li> <li>Expressin g likes &amp;dislikes</li> <li>Self appreciati</li> </ul>	r. Pri. Sch Pg 236- 238 Mk integr atedp ri.
	S o c i e t		smoking to an individual, family and community	<ul> <li>✓ nicotine</li> <li>✓ tar</li> <li>✓ passive smoking</li> <li>• reads and writes sentences about smoking correctly</li> </ul>	community		smoke		on  Decision making  Asking questions  Telling consequen ces of decisions	Scibk 6 Pg169 -176 Comp r. Pri. Sch. Scibk 6 Pg 116- 120
9 T o 1		Drugs Essent ial drugs	The learner;  Observing essential drugs  states what essential drugs are  types of essential drugs  drugs  drugs  mentions ways of storing drugs	The learner;  • reads and spells words about drugs e.g.  ✓ EssentialNar cotic  ✓ Contraceptiv e  ✓ Drug prescription	drugs  Types of	•Demonstratio n •Guided discussion	•Observing essential drugs. •Giving examples of essential drugs and their importance in the body.	Panadol, septrin packets of drugs showing drug prescripti on	made Value  Enduran ce Responsi bility Concern Self reliance independ ence	Funct ional pri. Sci bk6 Pg192 -199 Comp r. Prisch sci bk6 Pg236 -238 Under standi ng integr atedsc ibk 6 Pg118 -122

Narcot ic drugs	The learner;	The learner;  • reads and spells words about narcotic drugs correctly e.g.  ✓ Cocaine  ✓ Mirraa  ✓ Heroine  • reads and writes sentences about narcotic drugs correctly	<ul> <li>Definition of narcotic drugs or drugs of dependence</li> <li>drug dependence</li> <li>drug abuse</li> <li>Examples of narcotic drugs</li> <li>Reasons why people abuse drugs</li> <li>Effects of drug abuse to an individual, family and community</li> </ul>	•Guided discussion •Guided discovery	•Giving examples of commonly abused drugs	-tobacco leaves -waragi			
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