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	2		C	Verteb	The learner;	The learner;	Definition of		Observing	Presentat	<u>Life skills</u>	Com	
	0	T	L	rates	• identifies	reads and	living	 Observation 	different	ion		prehe nsive	
		Н	Α	(warm	examples of	spells words	things		vertebrates	showing	1. Effective	Prim	
		E	S	bloode	living things		 Examples of 			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	 Groups of animals 		things		of words	rstan	
		0	I		groups of	marsupials	aiiiiiais		•Identifying		-Accuracy in	ding Integ	
		F	O		animals	monotremes	 vertebrates and 		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		 Cooperation 	Pg 3-	
			F		invertebrate		• Groups of		pictures of		 Appreciation 	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	 gives the characterist ics of birds describes the groups of birds states the importance and dangers of birds in the environmen t 		 Characteristics of birds Groups of birds Importance and dangers of birds in the environment 		•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,	 Groups of cold blooded vertebrates 	ObservationGuided discovery	• 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	
			mentions	correctly.				ns	✓ Respondin	Unde	
			groups of	• writes words					g to	rstan	
			cold	and		• Guided		/	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 parts of a fish	The learner; • Reads and spells words about fish correctly e.g. operculum, pectoral fin, caudal fin etc. • Writes words and sentences about fish	 Characteristics of fish External features of fish Functions of parts of a fish Types of fish Reproduction, breathing and feeding in fish Adaptation of fish to living in water 	 Observation Guided discovery Guided discussion 	 Observing the structure of the gills Drawing and naming parts of fish Identifyin 	 Specime n of fish A chart showing the external features of a fish 	Life skill • Creative thinking ✓ Logical reasonin g • Critical thinking ✓ Responding to questions ✓ appreciation	Com pre. prim. sch. Sci. bk 6 pg 21 - 36 Intro ducti on to biolo gy pg 158 - 160
	gives types of fishdescribes reproductio n, breathing and feeding	correctly.	• Importance of fish		g external features of a fish • Drawing and		Values ✓ Coopera tion	MK integ rated sci. bk 6 pg 17
	in fish • describes adaptation of fish to living in water • states the importance of fish				naming the parts of the gills Explainin g the functions of different parts of a fish		✓ sharing	Functional prim. Sci. pg 30 - 31

		Invert	The learner;	The learner;					Life skill	Com
		ebrate	•	,	•invertebrates	Guided	Naming	 Pictures 	• 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	 invertebrates Mentions the groups of invertebrates Describes the different groups of 	_	•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
	I -	_	sound	about sound	 Sound Sources of sound 		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	 How sound is produced and how it travels in different materials Properties of sound Speed of sound in solids, liquids and gases 		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	 Effective 	rstan
е	and		sound	 Observatio 	experiment	harp	communica	ding
freque	frequency of		Musical	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-
	States ways		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		Naming			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 T	he learner;	The learner;	•Structure of the		• Identifying	• Model of	Life skills	bk6
mamm •C	Observes	reads and	mammalian ear	 observation 	parts of	human	 Self 	pg 68-
alian p	arts of the	spells words	 Functions of 		the	ear.	awareness	69
	uman hear.	about the ear	the parts of		human		 Self 	Intro
•d	lraws the	correctly e.g.	mammalian	 Guided 	ear	Chart	identificati	ducti
s	tructure of	✓Eustachian	ear	discussion	 Naming 	showing	on	on to biolo
	he	tube			parts of	the	 Self 	gy pg
m	nammalian	√Auditory	 The hearing 		the	structur	evaluation	134-
ea	ar	canal	process		mammalia	e of the	 Creative 	135
•s		√Cochlea			n ear	mammal	thinking	Com prehe
		reads and	 Ear defects 		 Observing 	ian ear.	Logical/	nsive
	he parts of	writes	and ways of		and		Reasoning	prisc
	he ear	sentences	caring for the		listening	• Presenta	Values	hsci
	lescribes the	about the ear	ear		to the	tion	 Appreciatio 	bk6 pg66
	learing	correctly			video	showing	n	-68
	rocess			Ŋ	showing	the	care	Func
1 1 1 1 1	ives the ear				the	hearing		tional
	lefects and				hearing	process.		pri. Scibk
	low to care				process.			6 pg
	or the ear							69-
								72
			9					
C The T	he learner:	The learner;	Definition of	Demonstratio	• Drawing	• Model	Life skills	New
1 1 1 1 - 1 1	Defines	• reads and	blood	n	the	of the	• Self	tropic
	blood	spells words	circulation	11	structure	heart.	awareness	al biolog
	circulation	about the	• Components of	Guided	of the	• Chart	• Self	y pg
	dentifies the	circulatory	the circulatory	discovery	circulator	showin	identificati	162- 169
	omponent of	system	system	J	y system	g the	on	Comp
	e circulatory	correctly	• Structure of		• identifyin	parts of		rehen sive
	system	Circulation	the heart		g	the	evaluation	pri.
T •d	lraws the	✓ Aorta	 How the heart 		compone	heart.	 Creative 	Sch
	tructure of	✓ Valve	works		nts of the	• Present	thinking	scienc e bk5
	he heart	✓ Bicuspid	• Blood		circulator	ation	Logical/	Pg105
	• describes	✓ Tricuspid	circulation in		y system	showin	Reasoning	-113 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	 Blood Components of blood Functions of blood Blood groups Blood transfusion 	Demonstratio n Guided discovery	 Identifyin g the structure s of different blood cell Stating functions of blood Identifyin g blood groups 	 A chart showin g blood cells. A video present ation showin g how exchan ge of gases takes place in the body. 	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-
T		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			y
		• identifies the	correctly			artery			pg162
		major blood			")				-169.
		vessels in							
		the body							
	Diseas	The learner;	The learner;	Diseases and	Guided	 Observing 	• A video	Empathy	Com
	es	 Observes 	 reads and 	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	 describes 		Ways of	Observation	 Identifying 	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	√ Heomophilia	system		of the	mia and	Sch Tchance	105-
	m	system	Anaemia	Ways of		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	Life skills -self esteem	Pg 218- 226 Comp . pri. Sci	
	T.	C	in the	alcohol is. • describes the	spells words about alcohol	 Methods of making alcohol 	• Illustration	of alcoholic drinks.	• Sorghu m flour	-expressing likes	bk6 Pg116	
T	H u	o h	the Societ	methods of		Meaning of	- Indication	•Doing an	• Chart	&dislikes	-120 Under	
	m	0	У	0	fermentation	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		• gives the						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	 Observes products from tobacco mentions effects of 	• reads and spells words about smoking correctly e.g.	 smoking Reasons for smoking Effects of smoking to an individual, family and 	Guided discovery	products from tobacco • Giving reasons why people	Cigarette	 Self esteem Expressin g likes &dislikes Self appreciati 	r. Pri. Sch Pg 236- 238 Mk integr atedp ri.
	S o c i e t		smoking to an individual, family and community	 ✓ nicotine ✓ tar ✓ passive smoking • reads and writes sentences about smoking correctly 	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

Narco 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	 Definition of narcotic drugs or drugs of dependence drug dependence drug abuse Examples of narcotic drugs Reasons why people abuse drugs Effects of drug abuse to an individual, family and community 	•Guided discussion •Guided discovery	•Giving examples of commonly abused drugs	-tobacco leaves -waragi			
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