TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Flowering	Identify	The external	The importance of	Care and	Flowering	Plant	Investigations:	Assessment	Science
Plants	parts of	parts of plants	flowering plants in	concern for	plants are	specimen	Examples	on impromptu	
External	flowering	(flowering)	agriculture	the	made up of	- the whole	i) Examination of	talks	Parts of a
Parts of	plants			preservation	two	plant	roots		flowering plant.
Flowering		The structure	The relationship of	of plants,	systems:-		 collecting root 	Assessment	
Plants	Identify	and function of	the parts of the	that are		- specimens	specimens of plants	for accurate	Art and Craft
	some	each named	flower to fruit	useful, in the	1. Root	of roots,	to note the variations	and relevant	
	common	part	development	environment	System	flowers,	in taproot and the	information on	Drawing and
	flowering				which consist	fruits seeds	fibrous root systems.	external parts	labelling
	plants	The parts of	The construction of	Appreciate	of different	and stems.		of flowering	diagrams
	found in	the flower,	a flow chart on fruit	the	types of	Handlens	ii) Examination of	plants	
	Guyana	stem, roots	development	aesthetics of	roots, re-tap,	and tiles,	stems and leave		Designing and
		and leaves		ornamental	tibrous and	scalpel	collecting shoots of	Reporting on	constructing
	Dissect		The relationship	and	adventitious	blades	small branches and	observations	flowers from
	flowers and	The types of	between the	landscaping			noting position of		waste
	identify	root, stem,	structure and	plants	2. Shoot	Old	buds and branches	Class displays	materials
	parts	leaves and	function of the		system which	newspaper,		and exhibition	
		flowers	components parts	Use plant	includes the	cardboard			Language
	Draw	T I ()	of the whole plant	products with	stem, leaf,			Students	Arts
	labeled line	The two main		care and an	flower and	Flow charts		composing	Report writing
	diagrams of	systems of a		appreciation	fruit.	on truits		songs and	Descriptive
	parts	plant		for the value		production		poems about	writing
		(root systems		of their				the external	Poetry
	Identify	and shoot		contribution		vvork sheets		parts of plants.	
	staminate	system)		to life		Tauthaalia			
	and					I extbooks			
	pistillate								
	flowers on								
	vine crops								

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
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Flowering	Cultivate at	The parts that	The importance of		Part and	Agricultural	Recalling the	Compilation of	Home
Plants	least two	make up the	plants to all living		shape of leaf	Science for	meaning of axil, node	scrap book	Economics
External	flowering	two systems of	things		blade	Secondary	and internode	using	
Parts of	plants for	a flowering			<u>.</u>	Schools in		illustration	Parts of the
Flowering	decorative	plant			Simple and	Guyana	Recording the kind of		plant used for
Plants	purposes				compound	BK 1	leaf venation,	Assessment of	food cleaning
(cont'd)		The different			leaves	Page 40-53	arrangement of	pupils ability to	and scrubbing
	Explore	types of roots,			Dimension	Agricultural	leaves and the	identify,	etc
	parts of the	stems, leaves,			Primary and	Science for	position and	recognize and	
	flowering	truits and			Secondary	the	appearance of buds	assemble	Industrial Arts
	plants	seeds			functions of	Caribbean	Individual analysis	component	
	through				leaves	pp 19-29	individual groups	parts to make	Uses of parts
	questioning				Christen of	BN. I D. Derecud	collect different parts	a whole	of a tree
	_ /				Structure of	R. Persaud	fruito	nower, piant,	
	Report on				it relates to	lunior	iruits	seeu, eic.	
	findings/				hisevual	Secondary			
	observations				pistillate and	Agriculture			
					staminate anu	for the			
	Collect, sort				flowers	Caribbean			
	and tabulate				nowers	BK 1 nn			
	information					39-55			
						Science pp			
						10-21			
						Science pp			
						10-21			

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Flowering Plants External Parts of Flowering Plants (cont'd)					Pollination and fertilization Dry indehiscent fruits Dry dehiscent	Agricultural Science 1 by Eliot and Wolsey. Puzzles	Field trip to observe plants in community and school farms to identify different types of leaves, stems, flowers, fruits and seeds Display of chart on the external parts of		
					fruits		flowering plants		
					Fleshy fruits		Teacher led discussions		
					Structure of				
					the seed as it relates to monocots and dicots		Dramatisation of the external parts of the leaves to show importance of each to the plant		
							Demonstrating dissection		

TOPIC		LEARNING OF	SJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
	0 ()				<i>c</i> :	A			
Flowering	Sort and assemble				- fibrous	Agriculture	Demonstration	Assessment	
Plants	parts of monocots				roots	Science 2	on the	of student's	
External Structure of	and dictos to create				Diaata	By Elliot and	preservation	explanation of	
Structure of Monocotylodons	a new plant				DICOIS	waisey,	for scraphook	differences	
and	Identify examples of				two seed	Secondary	compilation.	hetween	
Dicotyledons	monocot and dicot						ea Root	monocots and	
(Cont'd)	nlants				100003	n 50	systems	dicots	
(cont d)	planto				- netals	p. 00	types of	dicoto	
					arouped in	Audio and	leaves and		
					four or five	Video	flowers		
					-branched,	Cassettes			
					net-veined		Teacher lead		
					leaves		discussions,		
					-tap roots		Field Trips to		
					-		observe plants		
							in their		
							environments,		
							illustrative		
							differentiation		
							by names of		
							diagrams		i

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Flowering	Preparation of	The different	Aspects of the	Appreciate	Viability test	Seed,	Observe	Assess	Science
Plants	seed box (filling	ways seeds	possible	the use of		woolen cloth	demonstration	students'	
External	seed box with	are sown in	contributing factors	viable	Disadvantages		by teacher	performance	Germination
Structure of	potting soil)	seed; boxes	for abnormal	seeds	of not using	School		in the field	and seed
Monocotyledons		-	seedling growth	• • • •	viable seeds	Garden	Assist in		viability
and	Determine the	The steps	T 1 14	Appreciate	D 1 1	Farm diary	sowing seeds		
Dicotyledons	viability of	involved in	The need to cover	the	Broadcast	0	0		
(Cont'd)	seeds	sowing seeds	seeds after sowing;	advantages	sowing and	Sample of	Supervised		
	(germination	In seed boxes	irrigating the soll	of following	Row sowing	treated	practice		
	lesis)	The types of	and leaving it under	centain	Advantages of	(diaplay)	Sessions		
	Sowing goods	armination	Shaue	for proper	Auvantages of	(uispiay)	Discussions		
	Sowing seeus	germination			over broadcast	Samples of	Discussions		
	Identify			and growth	sowing	nlanting	On content		
	observe record			of	Sowing	materials	Dehate [.]		
	and report on			seedlings	Covering	viable	Crop farmers		
	the following:			ooodiingo	seeds after	seeds	must produce		
	- stages of				sowing.	- seeds with	their own		
	germination				irrigating and	physical	planting		
	- seedling				providing	defects	materials for		
	emergency by				shade		maximum		
	broadcasting						yield		
	-seedling				Quality of		,		
	emergency by				seeds used as				
	row sowing				planting				
	-select viable				materials				
	seeds								
					Advantages of				
					sowing treated				
					seeds				

TOPIC		LEARNING OBJECTIVES					METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Flowering	Discuss and analyse	The stages of	The disadvantages			Teachers'			
Plants	the reports on	germination	and advantages of			Field Books			
External	seedling growth	-	sowing treated			for			
Structure of		The conditions	Ŭ			assessment			
Monocotyledons	Identify advantages	necessary for	The differences in			of skills			
and	and disadvantages	germination of	the growth of			displayed			
Dicotyledons	of row sowing over	seeds	seedlings						
(Cont'd)	broadcast sowing		established by			Practical			
· · ·	, i i i i i i i i i i i i i i i i i i i	The	sowing the			notebooks			
		characteristics	following:						
		of viable	5						
		seeds	Good sample of						
			seeds						
		The							
		appearance of	Poor sample of						
		noor seed	seeds						
		samples	00000						

TOPIC		LEARNING C	BJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATIO N	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Hand Tools	Identify tools used	Hand tools	Use of appropriate	Tools are	Hand tools	School farm	- examine tools	Identification	Industrial Arts
	for specific	used for:	tools and	used	used for:	plots hand	- observe	of specific	
	purposes		equipment;	correctly for	- land	tools.	demonstrations	tools used for	Sharpening
		-Land		specific	preparation		on farm/plots	various farm	metal blades,
	Working on the	preparation,	Application of	purposes	- nursery/	Charts to	- practise using	activities	fixing and
	farm	-Nursery	correct techniques		seed box	show:	the proper		repairing
	6	management,	for effective use	Standard	preparation	- parts of	tools for	Draw line	simple
	Draw labeled line	- Irrigation	tools	Agri.	- irrigation	tools	specific	diagrams	machines and
	diagrams to show	- Plant		Practices	- trans-	- steps to	purposes.	used for	toois
	parts of different	production	Use tools correctly	are carried	planting	take in the		stated	Deneirine
	toois	- narvesting	(with right holey	out with care	- Inter crop	proper use	ongoing tarm	purposes.	Repairing
		Taabaiguaa	posiure)		cultivation		activities.	Assessment	hondloo
	Apply correct	(step by step)	Care tools to	Care and	- crop		- collect	or students	nanues
	techniques to	for the proper	prevent rusting	maintenance	- harves-		various hand	in the field	
	operates simple	usage of each	sharpen tools for	nrocedures	ting		tools		
	loois	tool	effective	are always	ung		- visit to farms		
	Lise tools correctly		performance	practiced			where these		
	to avoid injure to			h			tools are in use		
	self/others and								
	damage to tools								
	and plants								
	Select appropriate								
	tools and apply								
	relevant								
	techniques needed								
	to complete a								
	given task.								

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE	-		STRATEGIES		INTEGRATION
Hand Tools		The			Tools must	Tools and	Demonstrations	Assess	Physical
(cont'd)		maintenance			always be	equipment	using tools.	students	Education
		of tools and			used for	used on the	Supervised	performance	
		equipment for			specific	school farm.	practise	in efficient	Displaying
		long life			purposes	Store room	sessions	handling of	correct posture
					and applying	materials eg.		tools in an	Industrial Arts
					the correct	oil, rags,	Assist in caring	orderly	
					techniques	files, soft	tools and	manner	Science
					step by step	wovel, saw,	equipment		
						plane, clamo		Assess	Oxidation
					Tools must			students'	reaction
					always be			performance	
					cleaned,			in caring and	
					dried			storing tools	
					oiled/greased				
					and stored in				
					a safe place				
					after use				

TOPIC		LEARNING (DBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Seed	Select seed	Features of a	The importance of	Appre-	Seed boxes/	Seed boxes	Examine a	Assessment	Mathematics
boxes/containers	boxes/containers	good seed	each feature for the	ciation of	containers	containers,	standard seed	of students'	
and sowing	which are	box/container	growth of seedlings	the	must make	nursery beds	box	 drawing of 	Check on
seeds	suitable for	(cups,		importance	provision for:		(35cm x	line diagrams	dimensions of
	growing	polythene	The relationship of	of a handy	- easy	Charts to	25cmx7cm) and	of standard	seed
	seedlings	bags)	the features of	seed box/	transplanting	show the:	compare it with	seed box	boxes/containers
			seed box (depth,	container		- features of	other seed		
	Select and use		slits/holes at the	which can	- drainage of	a typical	boxes	- construction	Industrial Arts
	seed		bottom of seed	satisfy the	excess	seed box		and use a	
	boxes/containers		box) to the growth	needs of	water		Grouping seed	seed box	Construction of
	which have the		of seedlings	various	((), (- various	boxes/containers		seed boxes
	correct			types of	- sufficient	types of	based on		
	dimensions,			seedlings	depth for	containers	similarities or		
	depth etc				roots	for sowing	differences and		
					control of	seeus	neeus		
					the loss of				
					SOII				

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
					-			-	
Seed	Identify and mix	The materials	The importance of	Appreciation	Components	Seed box/	Discussions	Assessment	Science
boxes/containers	materials for	that are	producing vigorous	of the need	of seed box/	containers	Demonstrations	of students	
and sowing	seed	needed for	healthy seedlings	to follow	containers :	components:	Assist in	performance	Action of
seeds (cont'd)	box/container	seed	by providing	guidelines			preparing seed	in selecting	bacteria in the
	mixture	box/container	adequate nutrients,	carefully,	- garden soll	- garden soll	box/container	the	decomposition
	Domonatrata the	mixture	aeration and	step by step	-well rotted	-well rotted		components	of raw pen
	technique of	The stone	moisture	assignmente	sand	sand		mixture in the	raw materials
	mixing potting	involved in		assignments	-54110	-straw		right	used to make
	mixing potting	nrenaring		completed	Stens in the	-press board		nronortions	compost
	components for	seed		completed	process of	-appropriate		mixing it up	compose
	seed	box/container			mixing	tools		and filling the	Nitrogen cycle
	boxes/containers	mixture			different			seed box with	Porosity
					components	Chart to		the mixture	Capillarity
	Identify a sample	The ratio of			and filling	show:			
	of good potting	different			seed	- ratio of soil			
	soil	components			box/containers	- compon-			
		used for			with potting	ents needed			
	Predict the	preparing a			mixture and	to make			
	behaviour of	potting mixture			leveling it in	potting soil			
	potting soil in				seed				
	response to the				box/containers				
	application of								
	water								

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Care of	Identify	The treatments that need	Seedlings need special	A positive	Care of	Field plots	Observe	Assessment	Language
Seedlings	signs of	to be taken in growing	care when they are in	attitude to	Seedlings	fertilizers,	seedlings	of students'	Arts
	poor care of	seedlings in seed	seed	the care and		chemicals,	growing in a	farm diaries	
	seedlings	boxes/containers/nurseries	boxes/nurseries/containers	maintenance	Seedlings,	sprayers	nursery/seed		Explaining the
		after seeds are set (sown)	and those requirements	of seedlings	need to:		box	Assessment	different needs
	Identify	and before they are	need to be met as and	so as to	-be free from	For display:	containers	of students'	for growth of
	signs of	transplanted to seed beds	when they arise	have	weed	- seed box		work in the	seedlings
	proper care			vigorous	competition	with a good	Observe	field	
	of seedlings	The differences and		growth	- have	stand of	seedlings		Science
	C C	similarities in the treatment		which is free	adequate	vigorous	growing in a		
	Identify the	of seedlings that are sown		from pest	moisture	seedlings in	field		Effect of
	needs for	in seed boxes/nursery and		and	- have	competition			chemical
	growing	those that are sown in the		diseases	adequate	with weeds;	Discussions		substances on
	seedlings	field			nutrients for	- seed box	based on		plant growth
					good growth	with	observations		
	Take				- be free	seedlings	A		Mathematics
	corrective				trom pests	growing on	Assist in		Determine
	measures				and	poorly	caring plants		Determine
	for defects				diseases;	prepared	Decerd		adequate
	observed				- nave	potting soli;	Record		spacing for
					necessary	- relevant	activities in		proper growth
	Use farm				initially and	form diarios	latti ulary		
	diaries to				he removed		Field trips		
	record				gradually				
	observations				close to				
	Bapart on				transplanting				
	Report on				time				
					(hardening				
	recolueu				of seedlinas)				

TOPIC			CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF		
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Care of Seedlings (cont'd)					Thin out weak lanky seedlings in the nursery Thin out excess seedlings in the field at planting holes leaving only one (1) strong, vigorous and		Students to compare and justify the growth of seedlings in each of the given seed boxes on display		
					healthy seedling in				
					each hole				

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	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Seed beds	Select a suitable	The conditions	The ideal	Appreciate	Conditions		Observe of	Assessment	Ecology
	site for seed	required in	conditions needed	that suitable	necessary		farm plots and	of group	Interaction of
	beds	selecting a	to locate a site for	conditions	for locating		other farms in	reports	crops with
		site for seed	seed beds	are	a suitable		the community		soils, soil
	Use compass to	beds		necessary	site for		to assess	Assessment	organisms,
	determine		The suitability of	for an ideal	preparation		suitability of	of student's	water etc
	cardinal points		various locations	seed bed	of seed		ideal location	performance	
			for constructing		beds are			in the field	
			seed beds		as follows:		Discussions on		
					- High		the suitability of		
					ground		sites at various		
					with well		locations		
					drained soil				
					- Rich		Demonstrations		
					loamy soil		5		
					- Soil free		Physical		
					of		participation by		
					obstacles		students		
					- Soil free				
					or pests				
					and				
					diseases				
					- Site free				
					- ACCESS 10				
					water				
					irrigation water				

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
0	Demonstrate the		The second of the second second	A	1	F isher sh	Description	A	Mada
Seed beds (cont'd)	Demonstrate the various steps involved in land preparation before establishing seed beds Measure and mark the length and width of seed beds with drains and pathways using measuring tapes, ruler, garden line and pegs Construct drains Incorporate well rotten pen manure	The various steps in land preparation before laying out seed beds The metric units for length The relationships between units of length The procedures involved in laying out a plot	The relationship between activities on land preparation to the growth of seedlings The importance of the right length and width of seed beds with emphasis on drainage in flat lands	Appreciation -That the proper initial growth of seedlings depends on the preparation of seed free soil with good crumb structure -For the layout and accurate measurement of seed beds -Of the importance of well rotten pen manure for the healthy growth of seedlings	Land preparation techniques: - weedling -forking/ ploughing - chipping/ harrowing - leveling Layout of seed beds using measuring tape, garden line and peg Importance of draining on flat lands	Field tools and equipment films, slides Measuring tape, garden line, pegs, shovel, rake A well prepared seed bed	Demonstration and discussion on the qualities of good seed beds Supervised group activities in the construction of seed beds	Assessment of students -Performance in land preparation -Calculation of the area of bed and number of seedlings, per bed	Mathematics Length, width and area
				seedlings					

TOPIC		LEARNING (OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Seed beds	Use a base-line	The use of:	The comparison of		Leveled	Diagram to	Demonstration		
(cont'd)	to commence	- Standard	the estimated		seed beds	show the	on:		
	measuring	measurements	number of		incorporation	main			
	activities	for the	seedlings with the		of well rotted	aspects of a	The		
		construction of	calculated number		pen manure	well	construction of		
	Construct drains	seedbeds with	of seedlings			prepared	drains with		
	perpendicular to	drain				seed bed	gradient		
	the baseline								
		- Initial				Teacher's	The		
	Estimating the	fertilizer				field book for	incorporation		
	number of	application on				assessing	of pen manure		
	seedlings to be	seedbeds				students			
	transplanted on					performance	The laying out		
	a given seed bed	Calculation of				in the field	seedbeds		
		the number of							
		seedlings							
		required using							
		area of							
		seedbed and							
		given spacing							
		of seedlings							

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Sowing/	Identify crops	Crops for	Seeds of some	Careful	Definition of	Seed	Collecting		Science/Biology
Transplanting	for which	which seeds	crops need to be	nurturing of	seedling	materials	crop seeds		
	seeds are	are sown in	sown in seed	small			that should be		External feature
	sown in seed	seed	boxes/nursery beds	seedlings in	Crops that	Seed boxes	sown on seed		of a plant
	boxes/nursery	boxes/nursery	and then	seed	should be		boxes/nursery		
	beds before	beds and later	transplanted on	boxes/nursery	sown in seed	Nursery	beds		Physical
	being	transplanted	seedbeds e.g.	beds before	boxes/nursery	tools and			structure of
	transplanted	on seed beds	tomato, pak-choi,	transplanted	beds and	equipment	Collecting		seeds
	on seed beds		(small seeds)	onto seed	then		crop seeds		
		Crops for	whereas seeds of	beds	transplanted		that are		
	Identify crops	which seeds	other crops are		on seedbeds		directly sown		
	for which	are sown	sown directly on				on seed beds		
	seeds are	directly on	seedbeds e.g.		Crops that				
	sown directly	seed boxes	corn, blackeye		are sown		Discussion on		
	on seed beds		(large seeds)		directly on		reasons for		
					seedbeds		sowing seeds		
	Identify						in seed		
	seedlings from				Reasons for		boxes/nursery		
	plants that are				sowing small		beds		
	in vegetative				seeds in seed				
	stage				boxes/nursery				
	-				beds				

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRA-
Sowing/ Transplan- ting (cont'd)	Locate planting holes on seed beds based on recommended spacing Incorporate pen manure/fertilizer in planting holes Transplant seedling on seed beds Irrigate after transplanting Plant large seeds on seed beds	The steps involved in transplanting seedlings on seed beds and sowing/planting seeds on seed beds The importance of correct spacing The importance of safely uproot- ing seedlings from seed boxes/nursery beds for transplanting in the field	The need to identify accurately the planting holes The importance of plant nutrients for vigorous growth of seedlings	Careful uproot -ing of seedlings from seed boxes/nurser y beds for transplanting in the field Incorporates pen manure and composts to planting holes	Recommended spacing for different plants Incorporation of well rotten pen manure to planting holes/seed beds Uprooting seedlings from seed boxes/nursery beds and transplanting on seed beds Planting seeds directly on seed beds e.g. bora Row sowing seeds on seed beds e.g. carrots	School garden tools for sowing and transplanting	Observe demonstration of sowing and transplanting by teacher Students involvement in performing different skills Discussions on observations	Assessment of students' performance in sowing/ transplanting	TION Mathematics Spacing between plants and depth of planting seedling/sowi ng seeds

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Caring Plants –	Recognize	The	Proper growth of	Taking care	Definition of	Hand forks	Naming some	Assessment	Biology
Weeding,	weeds found on	differences in	crops depend on	of plants by	the term weed		weeds and	of pressed	
watering	school farm,	growth of	weed free	weeding,		Press board	identifying	specimens	Weeds, their
(Irrigation),	and in the	crops on a	conditions	watering	Disadvantages		their major		external
Mulching	community	field infested	especially during	and	of weeds	Weed album	features	Assessment	features and
		with weeds as	early stages in crop	mulching				of students'	habitat
	Identify, collect	against those	growth		Harbour pest		Collecting	performance	
	and press few	fields free of			and diseases		samples of	on weeding	
	common weeds	weeds			0		weeds and		
	and maintain a	- ·			Competition		pressing them		
	weed album	Reasons for			for water,		on paper		
	_	removing			nutrients,		Tashulausa		
	Carry out	weeds from			sunlight and		l echniques		
	control of weeds	seed beds and			space		for weeding.		
	by:	surrounding			Deersee vield		Diaplay of		
	- hand pulling	aleas			of crops and		Display Ol		
	- USE OF	The common			increase cost		of weeds		
	cutiass/noe	weeds found			of cultivation		UI WEEUS		
	- using much	on school farm			or cultivation				
	Demonstrate	and in the			Untidy				
	the different	community			appearance of				
	ways of				weeds				
	watering plants	Ways of							
	watering plants	controlling							
	Demonstrate	weeds							
	how to remove								
	excess surface								
	water and water								
	in soils with high								
	water table								

TOPIC		LEARNING (OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
	_								
Caring Plants –	Demonstrate	The need for	Inadequate water		Definition	Irrigation	Discussion	Assessment	Mathematics
Weeding,	different ways of	irrigation	supply retards plant		of the	tools		of practical	
watering	watering plants		growth and excess		terms:		Field trips	demonstration	Gradient of
(Irrigation),		Methods of	water kills the		- irrigation			on watering	drains
Mulching	Demonstrate how	watering	plants		- drainage		Construct ion		
(cont'd)	to remove excess	plants					of drain to		
	surface water	T 1 (() (Results of		remove		
	and water in soils	The effects of			negative		excess water		
	with high water	inadequate			effects of				
	table	water on			Inadequate				
		plants			water on				
		The offects of			piants.				
					aturated				
		surface			-stunted				
		high water			nutrient				
		table on plants			untake				
		table on plants			impeded				
		The			- extreme				
		advantages			condition				
		and			result in				
		disadvantages			wilting				
		of irrigation			- decease				
		and drainage			in vield				
					,				

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Caring Plants – Weeding, watering (Irrigation), Mulching (cont'd)	Demonstrate mulching the plots using paddy husk/dried grass/dried leaves/paper Reading and reporting observation on the growth and yield with unmulched plot	The benefits of mulching Materials suitable for mulching has several advantages to the growth of plants	Mulching improves plant growth in many ways The importance of selecting the best mulching		Excess water results in water logging and eventually plant death Enhancing rainfall infiltration Preventing weed growth Reducing the soil temperature Reducing evaporation of water from soil Conserve moisture	Different types of mulches	Discuss and compare the growth and yield of crops from mulched plots	Assessment of practical demonstration of mulching	Geography Fertile soils Social Studies Enhancing the environment Science Decomposition of organic matter

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Caring Plants –	Identify some	The major	Some insects are	Appreciates	Use of	Hand lens	Careful	Assessment	Biology
Pest and Pest	insect pests of	insects pests	harmful while other	that rops	decomposed	growing	observation of	of students in	
Control	tomato, corn,	for each crop	are beneficial	free of pests	mulch to	crops in the	crops for	the field and	External parts
	black-eye,	listed below:		produce a	improve soil	field	pests in the	laboratory	of an insect, its
	pak -choi &	-corn	Harmful insects	higher yield	structure		field	exercises	habits and
	cassava found in	- tomato	need to be	of	and increase	List of	Description		habitants
	your school	- blackeye	controlled before	unbiemisned	availability of	information	Demonstration		A
	garden	- cassava	they cause serious	produce	numents	on pests for	to identify		Art
	11	Physical and	uamage to crops	with posts	Definition of	piants	timely control		
	Use hand lens to	chemical	The harmful effects	affected	the term				Drawing of
	identify pests	control of	of using chemicals	crons	Pest		medouleo		Insects
	Identify some	insect pests	to control pests	0,000	1 001		Demonstration		Languago
	damages	and diseases		Cares crops	Maior insect		in carrying out		Language Arte
	caused by those		Plant diseases can	while they	pest of corn,		control		AILS
	insects pests	Chemicals that	be identified by	are growing	tomato,		measures		Essay on
		can be used to	specific symptoms	to keep	blackeye,				harmful effects
	Carry out	control insect		pests away	pak-choi and		Discussion on		of chemicals in
	different control	pests		from them	cassava		pests and pest		pest control
	experiments to						control		poor control
	investigate the	Haphazard			Damage				Environmental
	effects of pests	use of			caused by				Science
		chemicals on			those pests				
	Identify	crop plants			Cumptome				Pollution
	chemicals that				Symptoms				
	could be used to				identify				Mathematics
	control those				those nests				
	pest				ulose pesis				Volume
									calibration

TOPIC		LEARNING	OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Caring Plants –	Identify pest	Harmful	Pest control	Appreciate	Harmful				
Pest and Pest	other than	effects of	measures need to	precautions	effects				
Control (con't)	insects	haphazard	be put in place at	for pest	caused by				
		use of	the earliest	control	haphazard				
	Identify major	chemicals on	opportunity		use of				
	diseases of	crop plants		Appreciate	chemicals in				
	crops in corn,			the	pest control				
	tomato,	Pests of crops		importance					
	blackeye, pak-	other than		of disease	Chemicals				
	choi and	insects		free plants	which:				
	cassava	Materia		1.1	- are toxic to				
		Major		Identifies	animals and				
		diseases of		disease	numan				
		the following		symptoms	beings				
		crops.		early to	nalluta tha				
		com, tomato,		avoiu 105565	-politile the				
		blackeye, pak-			environment.				
					- destroy				
		cassava			nollinators				
		Symptoms by			narasites				
		which			and				
		diseases can			predators				
		be identified			production				

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Caring Plants –					Definition				
Pest and Pest					of the term				
Control (con't)					Disease				
					Disease –				
					affecting				
					corn,				
					tomato,				
					blackeye,				
					pak-choi				
					and				
					cassava				
					Symptoms				
					by which				
					one could				
					identify				
					those				
					diseases				
					Methods of				
					disease				
					control				
					Maior				
					diseases				
					which				
					affect the				
					crops listed				
					above				

TOPIC					CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Cropping	Identify	The different	The importance of	Supports	Cropping	School/farm	Observe school/farm		Science
Systems	cropping	types of	cropping systems	efforts to	systems	plot	plot and other		
	systems in	cropping	for the:	implement			farming enterprises		-pollution
	use on	systems		systems	Planting	Farming in	in the community		-erosion
	farms		- Care of the	which	several crops	the			-soil nutrients
		The	environment and	sustain the		community	Discussion of		
	Identify	characteristic	. . .	environment	Crop rotation		cropping systems		
	crops used	features of	- Control of pests			Word			
	in the	each cropping	and diseases	Question the	Inter planting	Puzzle	Completion of a word		
	cropping	systems		use of			puzzle.		
	programmes			systems	Planting one		•• • • •		
		Ihe		which	crop		Matching		
	Distinguish	advantages		promote	Monculture				
	between	and		deterioration	Monocropping				
	systems	disadvantages		of the	Disating				
	which	or the given		environment	Planting				
	promote	cropping			several crops				
	care of	systems			at time results				
	environment				in beller,				
	and those				control of				
	which do not				-control of				
					and discassos				
					and diseases				
					- regulation of				
					nutrients				
					nresent in the				
					soil				

TOPIC	LEARNING OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF	
						STRATEGIES		INTEGRATION
Cropping				Reduction of				
Systems				surface run				
(con't)				off water				
				Dianting only				
				Planting only				
				one-one crop				
				makes				
				greater				
				demand on				
				nutrients				
				present in the				
				soil and the				
				control of				
				pests and				
				diseases is				
				more difficult				

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TOPIC					CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Marketing	Perform tasks associated with marketing of the produce Report the findings from a marketing survey	Various activities which may be performed on a product before it reaches the consumer Improving the image of the products	Use available information to understand the principles of marketing. Compare marketing services and prices of selected agricultural products found in Supermarkets and open markets	Appreciate the need for improving and maintaining the quality of product available for the consumer	Use of colour and size can be used to indicate stage of maturity Marketing the produce to be seen as all the activities carried out on the produce until it reaches the consumer Involves: - handling - cleaning - grading - packing - storing - transporting - processing - selling	Marketing outlets Audio Video Cassettes Relevant newspaper clippings Resource Persons	Observing treatment of produce after harvesting Discussion with farmers on how they market their produce Participating in some of the activities carried out on school farms Small groups carry out a marketing survey	Assessment of student s' -Records of activities in farm diaries -Selection of a marketing outlet and preparation of a brief report	Social Studies Domestic markets Regional and International Markets Trade Budget

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	LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Identify the	Definition of	The contrasting	Appreciate	Poultry found	Zoological	Observe poultry	Assessment of	Language
different	the term	features among	the need to	in	garden		students:	Arts
classes of	Poultry	classes of poultry	make	a) Fowls		Observation of birds		
poultry in			conditions	b) Ducks	Pictures	in a zoological garden	-Research on	Description of
Guyana	The different		suitable for	c) Geese		and the community	a selected	poultry
	classes of		sustaining	d) Turkeys	Labels		variety of birds	
Identify	poultry		the life of all	e) Guinea		Discussion on classes	found in	Social Studies
other birds			kinds of birds		Tapes	of poultry	Guyana	
in Guyana	The features			Fowls				Use of poultry
-	of the different				The	Interviews with	-Report on	in society
Explore the	classes of			In relation to	community	farmers and wild life	observations	-
different	poultry			the animal	_	exporters	after visits/field	
classes of	D : 1 () .			kingdom	Resource		trips	
poultry	Birds found in			poultry is	materials			
found in	Guyana			being	T (D)		-Scrapbook on	
Guyana				classified as	Text Books		poultry in	
				bird	۸ میتامی <u>بالارسم</u> ا		Guyana	
				Manyathan	Agricultural			
				wany other	Science for			
				found in	Secondary			
				Guyana that	Guyana			
				bayo	BK 1 Dages			
				attracted the	1/ 115			
				international	1-115			
				market				
	SKILLS Identify the different classes of poultry in Guyana Identify other birds in Guyana Explore the different classes of poultry found in Guyana	LEARNINGSKILLSKNOWLEDGEIdentify the different classes of poultry in GuyanaDefinition of the term PoultryGuyanaThe different classes of poultryIdentify other birds in GuyanaThe features of the different classes of poultryExplore the different classes of poultryBirds found in Guyana	SKILLSKNOWLEDGEUNDERSTANDINGIdentify the different classes of poultry in GuyanaDefinition of the term PoultryThe contrasting features among classes of poultryIdentify other birds in GuyanaThe different classes of poultryThe features of the different classes of poultryExplore the different classes of poultryBirds found in GuyanaHerds in Guyana	SKILLSKNOWLEDGEUNDERSTANDINGATTITUDEIdentify the different classes of poultry in GuyanaDefinition of the term PoultryThe contrasting features among classes of poultryAppreciate the need to make conditions suitable for sustaining the life of all kinds of birdsIdentify other birds in GuyanaThe features of the different classes of poultryThe features of the different classes of poultryExplore the different classes of poultryBirds found in GuyanaBirds found in Guyana	SKILLSKNOWLEDGEUNDERSTANDINGATTITUDECONTENTIdentify the different classes of poultry in GuyanaDefinition of the term PoultryThe contrasting features among classes of poultryAppreciate the need to make conditions suitable for sustaining the life of all kinds of birdsPoultry found in a) Fowls b) Ducks c) Geese d) Turkeys e) GuineaIdentify other birds in GuyanaThe different classes of poultryThe features of the different classes of poultryFowlsExplore the different classes of poultryThe features of the different classes of poultryIn relation to the animal kingdom poultryBirds found in GuyanaBirds found in GuyanaMany other birdsMany other birds are found in GuyanaMany other have attracted the international market	SKILLSKNOWLEDGEUNDERSTANDINGATTITUDECONTENTMATERIALSIdentify the different classes of poultry in GuyanaDefinition of the term PoultryThe contrasting features among classes of poultryAppreciate the need to make conditions suitable for sustaining the life of all kinds of birdsPoultry found in a) Fowls b) Ducks c) GeeseZoological gardenIdentify other birds in GuyanaThe different classes of poultryThe features of the different classes of poultrySittable for sustaining the life of all kinds of birdsPoultry e) GuineaPicturesExplore the different classes of poultryBirds found in GuyanaFowlsThe communityThe communityBirds found in GuyanaGuyanaBirds found in GuyanaFould a first found in GuyanaText BooksBirds found in GuyanaGuyanaAppreciate found in GuyanaMany other brids are found in Guyana, that have attracted the international maketMany other birds are found in Guyana, that have attracted the international maketSchool in Guyana	SKILLSKNOWLEDGEUNDERSTANDINGATTITUDECONTENTMATERIALSMETHOD/ STRATEGIESIdentify the different classes of poultry in GuyanaDefinition of the term PoultryThe contrasting features among classes of poultryAppreciate the need to make conditions suitable for sustaining the life of all kinds of birdsPoultry found in a) Fowls b) Ducks c) Geese d) Turkeys e) GuineaZoological gardenObserve poultry Observation of birds in a zoological garden and the communityIdentify other birds in GuyanaThe features of the different classes of poultryNetwork the features of the different classes of poultryAppreciate the iffe of all kinds of birdsPoulty found in a) Fowls e) GuineaZoological gardenObservation of birds in a zoological garden and the communityExplore the different classes of poultryThe features of the different classes of poultryFowlsThe communityInterviews with farmers and wild life exportersBirds found in GuyanaBirds found in GuyanaFound in GuyanaText Books birdText Books birdMany other birds are found in Guyana, that have attracted the internationalMany other birds are birds are birdAgricultural Science for School in Guyana, that haveConsolin H Guyana, that haveAgricultural science for Science for Scien	SKILLSKNOWLEDGEUNDERSTANDINGATTITUDECONTENTMATERIALSMETHOD/STRATEGIESEVALUATIONIdentify the different classes of poultry in GuyanaDefinition of the different classes of poultryThe contrasting features among classes of poultryAppreciate the need to make conditions suitable for sustaining the life of all kinds of birdsPoultry found in a) Fowls b) Ducks b) Ducks c) Geese c) Geese c) GuitryZoological gardenObservation of birds in a zoological garden and the communityAssessment of students:Identify poultry in GuyanapoultryThe features of the different classes of poultryAssessing the life of all kinds of birdsPoultry found in a sological a) Fowls c) Geese c) GueseZoological garden a) Fowls c) Geese c) GueseObservation of birds in a zoological garden and the community discussion on classes of poultry-Research on a selected variety of birds found in GuyanaKingdom found in GuyanaBirds found in GuyanaFowlsThe famers and wild life exporters-Resource materials birdInterviews with famers and wild life exporters-Resource opoultry in GuyanaKingdom found in GuyanaBirds found in GuyanaMarterials birdText Books bird-Scrapbook on poultry in Guyana BK. 1 Pages 14-115Science for Science for Scien

TOPIC		LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Externel	Drowing the	The externel	The importance of	Approciato	Nome and	Visit place of	Observation	Accompany of	Aut 9 Cuoff
External Parts of a	external	narts of the	each external nart	the need to	function of	interest e a	Observation	Assessment of	Art & Grait
Bird	parts of a	bird	on the normal life	know:	the external	zoological	Discussion of	drawings and	Drawing and
	Bird		of the Bird	the external	parts of the	garden	structure and function	labelling of the	labelling
		The functions		part of the	bird e.g.		of external parts of	external part	_
	Label the	of the external		bird by its	neck, shank,	Pictures	the bird	of the bird	Language
	external	parts of the		correct name	etc	Audio-video	Collection of Pictures		Arts
	Bird	Dira				Casselles	Collection of Fictures		Description of
	-					Visits to	Laboratory		the external
	Note taking					Poultry	demonstration		parts of the
	Due diet the					Farms in the			bird
	Predict the					community			
	any given					School			
	part is					Poultry			
	deformed					Farms			
	or absent					Drawanad			
						Prepared			
						specimens			

TOPIC		LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Classes of	Identif the	Name the	The different	Appreciate	Classes of	Visits to	Observation of poultry	Assessment of	Language
Poultry in	most	most popular	features of poultry	the	Poultry in	places of	in Guyana.	students':	Arts
Guyana	popular	class of bird	in Guyana	importance	Guyana	interest e.g.		-Research on	
	class of	which is being		of the	-chicken		Community	the classes of	Written
	birds which	sold at the		different	- ducks	Zoological	Zoological garden	birds found in	description of
	is being	market		classes of	- geese	gardens		Guyana	classes of
	sold at the			poultry found	- turkeys	-	Discussion of Audio-	-	birds found in
	market			in Guyana	- guinea		Video cassettes	-Report on	Guyana
				-	fowlers			visits	-
	Observation						Interviews with		
	and				Agricultural		Farmers	-Scrap books	
	discussion				Science for			on birds found	
	on poultry				Secondary		Interview with Wildlife	in Guyana	
	rearing in				School in		Traders	-	
	the				Guyana.				
	community				Pages 114-				
	connunty				115.				

TOPIC		LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Breed of Fowls	Recognise breeds of fowls	The breeds of fowls reared in Guyana	Some human activities contribute to the	Appreciate the contribution	Breeds of fowls refer to inherited	School farm/poultry pen	Observations of fowls and animals on farms in the community	Assessment of students' reports on	Language Arts
	reared in Guyana Identify some of the birds used in the wild life trade	The characteristics of different types of fowls The characteristics of some birds found in the interior	extinction of various species of Birds	of different breeds to the diversity in the population of Birds	characteristics which distinguish one fowl from another Breeds of fowls include: -Dual Purpose - Creole - Rhode Island Red	School farm/poultry pen Farms in the community Audio-Video Cassettes Television Resource	Visits to the zoo Discussion and reporting on observations after visits	observations and discussions Scrap book. On breeds of fowls Report on interviews with farmers	Description of observations Reports of interviews
					Breeds for the Wild Life Trade include: - Parrots and Macaw	persons			

TOPIC		LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE]		STRATEGIES		INTEGRATION
Systems of Rearing Poultry	SKILLS Identify each system for rearing poultry Sketch each system and explain how each functions	KNOWLEDGE The three (3) systems used to rear poultry in Guyana The function of each system	UNDERSTANDING Why poultry is reared in various systems	ATTITUDE Appreciate the methods use to rear poultry in Guyana	Systems of rearing poultry in Guyana: - free range extension system - intensive system - semi- intensive system system	Chicken farms in the community Other school children's farm Audio-Video cassettes Pictures of the systems used to rear poultry Agriculture Science for Secondary School in	STRATEGIES Observation of system used for rearing poultry Discussion of systems used for rearing poultry Reporting Interviews with farmers	Assessing students' -Description of the systems of rearing poultry in Guyana Drawing of the systems used for caring poultry in Guyana	INTEGRATION Language Arts Description of the systems used to rear poultry in Guyana Description of why people rear poultry Art & Craft Sketch systems used for rearing poultry
						1 p 116-116			

TOPIC		LEARNIN	G OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Data Collection	Identify the different types of inventory seen on the farm Analyse various farmer records Examine the inventory and note stock changes	The various assets found on the school farm: - tools - feeds - crops - livestock, etc Reasons for keeping records Movable and immovable assets located on the farm	Farmers and managers use of records to make judgements and predictions	Appreciate the importance of keeping records on tools, feeds, livestock etc	Records provide information which the farmer uses for making sound decisions about management The inventory: The inventory is a record of assets held: - tools - chemicals - feeds - crops - buildings etc	Textbooks, inventory forms, samples of records School farm/plots A guide to School Based Assessment in Agricultural Science	Examining records Interviewing farmers Demonstration of analysis of records	Assessment of students': -Record of selected assets found on the school farm. Report on the importance of records to farmers and managers	Language Arts Records and reports of farming inventory

TOPIC	LEARNING OBJECTIVES				CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE	-		STRATEGIES		INTEGRATION
					5				
Plant Propagation Records	Identify propagation records Keep simple records of selected crops propagated on the school farm/plot Examine various plant propagation records to determine if they can be used to make predictions and judgements	The purposes for keeping a record of crops prograted on the farm: - in the field - in the nursery	The importance of plant propagation records used on the school, farm, nursery crop, farm or estate	Appreciate the need to collect information for use in making decisions on the farm	Propagation record show all the activities undertaken by the farmer in propagating crops and include information on: - name of crop - type of crop - variety - date sown - date germinated - date transplanted - number of beds sown - cultural treatments - chemical treatments	Samples of records Plant propagation nurseries Examples of formats for plant propagation records approved by CXC (See a Guide to School Based Assessment in Agricultural Science)	Examination of sample of records Visits to plant propagation nurseries Collecting information from records	Assessment of students' design of a format for a propagation record and its use to gather information on a selected crop	Science Scientific principles of observing, recording, reporting and evaluating
					- remarks				

TOPIC	LEARNING OBJECTIVES		CONTENT	MATERIALS	METHOD/	EVALUATION	AREA(S) OF		
	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Farm Diary	Record entries in a farm diary, using the acceptable format Predict the level of farming activities based on information obtained from farm diaries		The importance of a farm diary in recording practical agricultural activities	Appreciate the need to collect information for use in planning and decision making	Farm diary The personal day to day record of farming activities in which students are involved, coupled with pertinent comments in relation to these activities Entries in the farm diary include: - livestock activities; - crop and soil activities; - field trip; - laboratory work; - observations and	School farm/plot Places of agricultural interest Agricultural text books Samples of Farm Diaries A Guide to School Base Assessment in Agricultural Science	Field trips to farms and places where agricultural related activities are performed Lecture/demonstration Discussions Group work	Assessment of students': -Farm diary using the given format Recording in the farm diary (at least once per week) Attention to: - data collection; - presentation; - interpretation	Social Studies Keeping diaries of important activities and events Science Scientific principles of experimenting, observing, recording, Reporting and evaluating Language Arts Description of a farm diary
				1	comments	1			

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	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE]		STRATEGIES		INTEGRATION
History of	Recognise	The History of	The history of	Appreciate the	History of	School	Visits to places of	Assessment of	Social Studies
Agriculture	activities	Agriculture in	agriculture, in view	need to	Agriculture	farms/plots	interest.	students'	Noradia
	which are	Guyana	or present and	promote	Hunting and	enterprises,	Listoping audio	Drawing of a	forming
	the	Agricultural	development in the	safe practices		elc.	visual cassettes	with	lanning
	environment	activities	world	sale practices	gautering	- audio		accompanying	Geography
	onvironnon	which are	Wond		Shifting	cassette	Collect	pictures	Coography
	Select	harmful to			cultivation	- pictures	information from	p	Man to show
	pictures	environment			and nomadic	- posters	the following:	Scrap boom	where
	portraying	and those			farming	-video		using clippings	agriculture
	activities	which are				cassettes	- television	collected	started
	which are	useful			Domestication	- slide	programmes on	(group work)	
	harmful and				of animals	projectors	related topics		
	those which				and cash-crop		radia		Science
	to the				production		- Idulu programmes		
	environment						programmes		Animals and
	onvironnon						- relevant		plants
	Arrange						clippings		Languago
	pictures to								Language Arte
	show the						- group		
	stages of						discussion		Description on
	agricultural								the History of
	development						- panel discussion		Agriculture in
									Guyana

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	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
History of	Identify	The events	The contribution of	Appreciates	Commercial				
Agriculture	activities	which led to	technology to the	the historical	Agriculture				
(cont'd)	which are	the present	changes in	development	and				
	safe for the	level of	agricultural	of Agriculture	introduction				
	environment	development	practices	in Guyana	of:				
		of Agriculture		-	- mechanical				
	Explore	in Guyana			power				
	information	-			- chemical				
	on	Modern			fertilizer s				
	Commercial	inventions			and				
	Agriculture	associated			pesticides				
	and the	with			- pest				
	modern	Commercial			management				
	inventions	Agricultural			- biological				
	that	activities			control of				
	influence				pests				
	their				- improved				
	activities				varieties of				
					crops				
					- improved				
					breeds				

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	SKILLS	KNOWLEDGE	UNDERSTANDING	ATTITUDE			STRATEGIES		INTEGRATION
Importance	Observe	Definition of	How agriculture	Support efforts	The effects	Picture chart	Discussion on	Assessment of	Social Studies
of	and record	agriculture	contributes to a	to maintain a	of		scrapbooks	students'	
Agriculture	signs of a		better life	healthy and	Agriculture:	Scrap book	Newspaper	research on:	-Pollution
	deteriorating	The		attractive			clippings, picture		- Erosion
	environment	contributions	How the use of	surrounding	- Satisfy	Newspaper	charts, etc	How	- Deforestation
		made by	some substances	_	basic needs	clippings,		Agriculture	
	Observe	agriculture to	contributes to the	Demonstrate	- Earn	etc.	Observe	contribute to	Science
	and record	the	deterioration of the	concern for	foreign		agriculture	the life of your	
	signs of	development	environment	deteriorating	exchange	Local	activities in the	family and	Destruction of
	caring for	of Guyana		environments	- Satisfies	community	community	others in the	the eco-system
	the			_	some	(school)	E. 11 E.	community	
	environment	A deteriorating		Demonstrate	employment		Field Trips		Introduction of
	Observe	environment		willingness to	needs				new species of
	Observe	A porfoot		reduce/eliminate	-Contribute				plants and
	and record	Aperiect		practices which	deterioration				animais
	practices	environment		deterioration of	of				Goography
	to	Substances		the environment	onvironment				Geography
	deterioration	that can			Enhances				1 1
	of the	contribute to			the natural				Land uses
	environment	deterioration			environment				Longuage
	Citvitorinicit	of the			Christian				Language
		environment							Arts
		S. WI OF INTO IT							Essay writing
									on importance
									of Agriculture
									of Agriculture