## SCIENCE DETAILED SYLLABUS CLASS 5 TERM 1 (2024-25) MONTH - APRIL-MAY 2024-25

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MONTH/	CONTENT	LEARNING	PEDAGOGY	TECHNOLO	INSTRUCTIONAL	PROJECT/ACTIVI	ASSIGNMENT	ASSESSMENT
NO. OF		OUTCOMES		GY	TOOLS/VIRTUAL	TIES/TRANSDISC		
TEACHING					TOUR/FLIPPED	IPLINARY/ART/I		
DAYS/ NO.					LEARNING/FIELD	NTEGRATION		
OF					, TRIPS			
CLASSES								
Month-	TOPIC:	Each student	FLIPPED	ONLINE:	VIRTUAL TOUR:	INTERDISCIPLIN		Objective
April -	PLANTS-	will be able	LEARNING	-Kahoot		ARY:	ANALYSING	Assessment will
May'24-25	INCREASING	to :	Analytical	Quiz	A virtual garden	TOPIC-	Q	be taken up on
	THE		(Pedagogy)		field trip-	ENVIRONMENT	Differentiate	the completion of
Teaching	NUMBERS			-	<u>https://www.yo</u>		between	each topic.
Days: 27		importance of plants		Mentimet	utube.com/wat	-SDG GOAL 13-	Monocot	
	Subtopics :	for	will analyze	er	<u>ch?v=NhzNTA</u>	CLIMATE	seeds and	
	a)Reproducti	existence	their		RK-	ACTION	Dicot Seeds	SUBJECT
	on, meaning	of all life on	collection of	-Youtube	BA&ab_channe		by giving	ENRICHMENT
	& need for	earth	seeds by	Links	I=GrowingGrea	ACTIVITY-Make	examples	ACTIVITY-
VALUE/ET	reproduction	earth			<u>t</u>	a poster on	b)Rabi and	
HIC-Caring	in plants	- analyze the	-	-Podcasts		•	Kharif Crops	- Observation
& Sharing	-	need for a	- Segregating	(Diksha		GLOBAL	by giving	- Hand on
THEME:	b)Role of	nlant to		Portal)		WARMING and	examples	- Analysis/Conclus
	, plants in our	produce a	them into	,	OFFLINE:	write a slogan		ion
, My	everyday	large	seeds	-Virtual		COLLAGE	Q. Sufficient	
Concern	life-as basis	0	having one	Tour to a	- Nature Walk	MAKING:	gaps must be	- Data Collection
	for our		and two	nursery/ki	- Flash	-	• •	- Maintenance of
LIFE SKILL:	existence		cotyledons.	tchen	Cards(stages	Collect seeds of	planting	Lab Manual
Adopt a	CAIStence	- observe	cotyreadits.		-6	various types		Information
tree and		and list the		garden/ter	germination)	and make a	saplings or	Involvement
		parts of a		race	0	collage( in the	sowing a	Listening Skills
		seed		garden			seed. Why?	

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take care	c) New	- list the two	-Observe	-Talk with	- Stories of	shape of any		Presentation
of it.	plants from		and list it <u>s</u>	а		flower)	Q. A plant	Speaking Skills
	seeds	reproductio	parts	gardener	environmenta	CULINARY	produces a	
GENDER		n in plants	_			SKILLS:	large	PROJECT-BASED
SENSITIZA	d)seed		- Germinatio	-Live		HEALTHY	number of	ACTIVITY
TION	germination	rolovant		Worksheet	- News clipping		seeds at a	_
Discussion		examples.	n of the	s	- Crossword	SNACKING-	time. Why?	- Presentation
on can we	e) Dispersal	•	seeds		puzzles	Soak some		- Information
have lady	of seeds	- interpret		DIKSHA	•	black gram	SYNTHESIS	-Involvement
gardeners?	f) New plants	the need	-any special	PORTAL:-	- Class quiz	seeds and	Crop should	-Team Work
Why? Why	from other	and		Dikaha		make a healthy	be selected	-Research/Data
not?	parts of	importance			OTHER	snack. Give it	according to	- Creativity
	plants	of dispersal		•	RESCORCES.		the soil type	-Viva
HEALTH &		of seeds.	dispersal	podcast on		an interesting	and weather	
WELLNESS	g) Crops and	- list the		vegetative		name.	conditions.	MULTIPLE
Find out	Vegetables	agents of		propagatio			JUSLING LINE	ASSESSMENT-(AIL,
about any		seed		n-	- Specimen	JOYFUL	statement	Notebook
5 seeds	Teaching	dispersal in	Doirond		s of	LEARNING:	with relevant	Presentation,
with	points <u>:</u>			https://dik	vegetative	Grow	examples.	Class
medicinal								Participation)
properties	-Plants are	- correlate		<u>sha.gov.in</u>		microgreens in	EVALUATING	-Presentation
in your	the most	the unique	Collect	/play/cont		recycled pots	Q. One plant	- Handwriting
kitchen.	useful gifts	leatures of	some seeds	<u>ent/do_31</u>		and use it to	is watered	- Regularity
	of nature for		from your	335048477	Story of a	prepare	regularly and	- Neatness
	humans and		kitchen and	134028811	seed	healthy snacks	the other	- Follow up on
CENEDAL	animals.	of dispersal	categorize			-	one is not for	work
GENERAL	Aulant	- comparo a	them as				many days .	
AWARENE	- A plant	dru haan	monocots		Collection of	and friends.	, How will	
SS:-	produces	seed with a	and dicots.		seeds of		these two	-
Students	many seeds	soaked				HANDS-ON		Periodic Test- 10
will list the	but only a	seed			to study about -	ACTIVITY :	•	Marks
plants	few are	JUU			to study about -		days? Draw	
they have	able to							

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their new plants homes. They will share its common and a baby well as the botanical ure A seed has identify the seed leaves plants in a bean /gram student will plants to edfine seed like name the plants- other tach them, and seed leaves plants to conditions- other tach to seed leaves plants it define seed hame the plants to student will of seeds under of seeds under of seeds under and and a babyWarksMarks- define seed true define seed (hem, and seed leaves plants to of seeds into n of seeds define seed (hem, and seed leaves plants to study the mame the plants of a seed and of seeds under and and study classify to study the different stages of the basis of a seed and also grow them to observe the germinatio n of seeds define seed plants to different stages of the basis of a seed and also grow themAPPLICATIO N Q.Grains alright containers No Nome warmth are to of seeds define seed the basis germinatio n, mode of reproducti on, discuss and so nthe germination- define seed them, to study the also grow themAPPLICATIO N Q.Grains alright containers The developme n to seed ling is called germinatio- define seed themselve so the germinatio- mode of themselve so the process of propagatio- mode of reproducti on discuss and seed- mode of themselve so the process of propagatio- mode of themselve so the propagatio<				1 1			1	
homes. They will share its common name as well as the botanical nomenclatA seed has identify the a Seed coat seed leaves and a baby plant inside it.square:- different bean /gram plant is seed plantssquare:- b) mode of bispensilb) mode of learning learningenvironment N Q.Grainsnomenclat ure.Air, water and nametha plant inside it define seed learning the variouskident will student will of seeds under name the plantsof seeds under of seeds under a gram seed" of a seed and different parts of a seed and also grow them of seeds and also grow them of seeds and also grow themAir, water ure define seed known to conditionsconditions a gram seed" of a seed and also grow them of a seed and also grow them of a seed and also grow them of a seed and also grow themAPPLICATIO N Q.Grains altright containers. Why?The developme n to f seeds called germinatio n- define seed known to conditions no f a seed propagatio n of a seed propagatio n of plants new plantsof a seed and also grow them themselve s on the propagatio n of plants new plantspropagatio propagatio n of plants new plants- define seed heirNo- Seeds have to get scattered or n- define seed to as seed propagatio- define seed heir- define seed propagatio n of plants necess of propagatio- define seed to as seed propagatio n of plants new plants- define seed to as seed propagatio n of plants	grown in	grow into	- observe	Think Pair	a)Number of	Sole Self		Half Yearly- 50
They will share its common name as well as the botanical nomenclat ure.Aseed nas a de baby plant inside it.Each student will name the plants them of them, them of them, name ass plants of them, name ass of a seed underEnvironment APPLICATIO N Q.Grains soaked bean or need to be protected in atright containers. Wh?- Air, water and nomenclat ure define seed (hem, and and a baby plant inside it define seed (hem, them, them, them on of them, of them, of them, mecessaryConditions a gram seed" of them, of a seed and also grow themAppLiCATIO N Q.Grains soaked bean or need to be protected in atright containers. Wh?- Air, water and nomenclat ure define seed (hem various them on n and study classify of their germinatio n of seeds. - state the conditions developme into a germinatio n of seed into a germinatio n of a seed of a seed in of a seed in on d a seed propagatio n of a seed on of plants new plants known/hea explore n of plants hem.Different anong themselve s on the process of propagatio n of plants new plants hem, vd/seen byAppLicATIO N Conditions a gram seed" of a seed and also grow them- The called called n- seed shaw which may rd/seen by- seed shaw them seed shaw them seed shaw them Seeds have to get catter of rom to get catter of- seed by them seed shaw them seed shaw them seed shaw the		new plants.	and		cotyledons	organized	, , ,	Marks
share its common name as well as the botanicalabseed coat seed leaves parts in a and a baby plant insideEach student will name the plantsChipersaiEnvironment N Q.GrainsAPPLICATIO N Q.Grainsname as well as the botanicaland a baby plant insidebean /gram plant insideseedc) Germination of seeds underThe student will dissect "a Q.GrainsQ.Grains meed to benomenclat ure define seed known tar mecessary- define seed known to them, classifyconditionsa gram seed" of seed and also grow thempred to to to to be altifierent parts of a seed and also grow themof seeds. regromutio- state the on, discuss among the seed into a seedling is called- state the process of propagatio n of seeds into a seedling is called- state the process of propagatio n of plants mown/hea which may rd/seen bystages of so the process of propagatio n of plants mown/hea which may rd/seen byStages of so them process of propagatio n of plants mown/hea which mayStadents so them process of propagatio n of plants mown/hea which mayStadents <b< td=""><td></td><td>- A seed has</td><td>identify the</td><td>square:-</td><td>b) mode of</td><td>learning</td><td>why?</td><td></td></b<>		- A seed has	identify the	square:-	b) mode of	learning	why?	
scattered or from will present or from or from	homes. They will share its common name as well as the botanical nomenclat	<ul> <li>A seed has a Seed coat ,seed leaves and a baby plant inside it.</li> <li>Air, water and warmth are necessary for germinatio n of seeds.</li> <li>The developme nt of seed into a seedling is called Germinatio n</li> <li>Seeds have</li> </ul>	<ul> <li>identify the different parts in a bean /gram seed</li> <li>define seed germinatio n and study the various stages of germinatio n.</li> <li>state the conditions necessary for germinatio n of a seed</li> <li>explore new plants which may be</li> </ul>	square:- Each student will name the plants known to them, classify them on the basis of their mode of reproducti on, discuss among themselve s on the process of propagatio n of plants known/hea rd/seen by them.	b) mode of dispersal c) Germination of seeds under different	learning Environment The student will dissect "a soaked bean or a gram seed" to study the different parts of a seed and also grow them to observe the different stages of	why? APPLICATIO N Q.Grains need to be protected in airtight containers. Why? PROJECT WORK Explore the conditions necessary for germination of seeds with explanations Grow at least 2 new plants	
dispersed vegetative their		scattered or	from	will present				
		dispersed	vegetative	their			vegetative	

	so that they	plant parts	reasons for		plant parts	
	get		the same		and share	
	favorable		and others		your	
	conditions	-	will		experience.	
	to grow	- Differentiat	'Thumbs Up			
1	- Seeds are	e and	or Down' for their			
	dispersed	categorize	reasons.			
	by wind, water,	various crops into				
	animals and	Rabi and	• • • • •			
	by	Knarit	Use of AMP			
	explosion	crops.	BOX and			
	of fruits.		Wheels of names for			
,	- Agriculture-	and list the				
	steps in		discussion			
	agriculture	conditions				
,	- Protection	for growing				
	and storage	crops	ENT			
	of crops		LEARNING			
			Observe			
			your			
			surroundin			
			gs			
			carefully			
			and make			
			a ppt to			
			explain the differences			
			in			
			germinatio			
			y			

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		nonocots			
	а	nd dicots.			
	<u>1</u>	NIE:-			
	C	ollect and			
	r	ead articles			
	o	n how			
	tı	rees were			
	Si	aved/cut			
		own to			
		nake way			
		or			
	ir	ndustrialisa			
		ion/metro			
		ervices.			