

KENDRIYA VIDYALYALAYA SANGATHAN NEW DELHI

COMPETENCY BASED LESSON PLANS IN ACCORDANCE WITH NEP 2020

CLASSES XI & XII 2024-25

KVS, ZONAL INSTITUTE OF EDUCATION AND TRAINING MYSORE

COMPETENCY BASED LESSON PLANS IN ACCORDANCE WITH NEP 2020

PATRON Ms. MENAXI JAIN Deputy Commissioner,KVS & Director, ZIET Mysore

COORDINATOR Mr. RAJENDRAN Training Associate (Eng) ZIET Mysore

DIRECTOR'S MESSAGE

It gives me immense pleasure in presenting this comprehensive compilation of Competency-Based Lesson Plans designed in alignment with NEP 2020 by a team of teachers. These lesson plans mark a significant step towards transforming education by focusing on student-centric learning approaches where understanding and applying knowledge supersede rote memorization.

Competency-based education (CBE), as outlined in the NEP, prioritizes skills over content, allowing students to develop their skills accommodating different learning styles and paces. The lesson plans follow an organized approach, with each lesson plan focusing on distinct competencies related to real-life skills and knowledge.

The implementation of these plans is anticipated to bring about a vibrant shift in the classrooms moving away from traditional lectures to dynamic learning environments where students participate, interact, and grow.

It is with pleasure that I place on record my commendation for the commitment of the team of dedicated teachers and Principals as Convenors from the four Feeder Regions namely Bangalore, Chennai, Ernakulum and Hyderabad and all the Training Associates of ZIET Mysore for their sincere efforts in making this possible.

I am confident that this compilation of sample lesson plans will help teachers to gain a deep understanding of their subject, develop essential life skills and promote curiosity and inquiry based learning.

Best wishes and regards

(Menaxi Jain) Director

LIST OF TEACHERS/HMs and PRINCIPALS FOR PREPARATION OF SAMPLE COMPETENCY BASED LESSON PLANNING FOR CLASSES XI & XII 2024-25

SI.No.	Name of the Principal/Teacher	Designation	Name of KV	Region	Class allotted for preparing Lesson Plan	Subject
1	Ms.Anjana S	Principal	KV NAD Aluva	Ernakulam	Convenor	Freelish
2	Ms.Jyothi V N	PGT(Eng)	KV Adoor	Ernakulam	XI	English
3	Mr.Appollo Arulraj	PGT(Eng)	KV Vijayanarayanam	Chennai	XII	
4	Mr.Rakesh Kumar Goyal	Principal	KV Dharwad	Bangalore	Convenor	Hindi
5	Dr.Jyoti Tiwari	PGT(Hindi)	KV Hebbal	Bangalore	XI	ппа
6	Dr.Saroj Kumari Singh	PGT(Hindi)	KV DRDO	Bangalore	XII	
7	Mr. K P Sudhakaran	Principal	KV NO.1 CPCRI Kasaragod	Ernakulam	Convenor	
8	Mr. V Eswaran	PGT(Maths)	KV Hebbal	Bangalore	XI	Maths
9	Mr. Balaji	PGT(Maths)	KV Dharwad	Bengaluru	ХШ	
10	Mr.Gopi Krishna Gorinta	Principal	KV No.2 Kalpakkam	Chennai	Convenor	
11	Ms.Ayushi Jain	PGT(PHY)	KV Dharwad	Bengaluru	XI	
12	Mr.Santosh	PGT(PHY)	KV Vijayanarayanam	Chennai	XII	Physics
13	Mr.Yodha Prasad	PGT(PHY)	KV ISLAND Ground	Chennai	XI	
14	Mr.Sreekanth	PGT(PHY)	KV No. 2 Calicut	Ernakulam	XII	
15	Mr.Randheer Vannery	PGT(PHY)	KV PALAKKAD	Ernakulam	XII	
16	Mr.Jothi Mohan	Principal	KV RB Kottayam	Ernakulam	Convenor	
17	Mr.Sibu John	PGT (Chem)	KV Kollam	Ernakulam	XI	Chemistry
18	Ms.Shyla P	PGT (Chem)	Port trust Kochhi	Ernakulam	XII	
19	Mr.Lakshmi Narayanan	Principal	KV Virudhunagar	Chennai	Convenor	Pielezy
20	Ms.Seeniamol M V	PGT(Bio)	KV Mysore	Bangalore	XI	Biology
21	Mrs.P.Prabita	PGT(Bio)	KV Chenneerkara	Ernakulam	XII	
22	Mr.Mithilesh Kumar	Principal	BRBNMPL	Bangalore	Convenor	
23	Mr.Surya Prakash Reddy	PGT(Hist)	KV MEG & Centre	Bangalore	ХІ	History
24	Ms.Rekha Dall	PGT(Hist)	KV AFS Yelahanka	Bangalore	XII	
25	Mr.Suresh J.Babu	Principal	KV No.2 Trichy	Chennai	Convenor	Geography
26	Ms.Asha Devi A.	PGT(Geo)	KV Pattom	Ernakulam	XI	

27	Ms.Asha L.R	PGT(Geo)	KV DGQA, Chennai	Chennai	XII	
28	Mr.N.Hari Prasad	Principal	KV NFC Nagar	Hyderabad	Convenor	
29	Mr. P Veeresham	PGT(Eco)	KV NFC Nagar	Hyderabad	XI	Economics
30	Dr. Santosh Roddawar	PGT(Eco)	KV Trimulgherry	Hyderabad	XII	
31	Mr. Kamlesh Rautela	Principal	AFS Bidar	Bangalore	Convenor	Accountancy
32	Ms. Isha Mahajan	PGT(Com)	KV 1 Jalahalli west	Bangalore	XI	
33	Mr. Narendra Verma;	PGT(Com)	KV Donimalai	Bangalore	XII	
34	Ms.Varsha Jain	Principal	KV ONGC Rajamundhry	Hyderabad	Convenor	Business Studies
35	M.Balaji	PGT(Com)	KV Vijaynagaram	Hyderabad	XI	
36	Mr.A.Satyanarayana	PGT(Com)	KV Waltair	Hyderabad	XII	
37	Mr.S G Dubey	Principal	K V CRPF Prayagraj	Varanasi	Convenor	Business Studies (Review)
38	Mr.Manoj Kumar Singh	PGT(Com)	KV NTPC Shaktinagar		XI & XII	
39	Ms.Neetu Pandey	PGT(Com)	KV Mankapur			

KENDRIYA VIDYALAYA SANGATHAN LESSON PLAN (CLASS XI)

 <u>General Information:</u> 1. Name and Designation of the Teacher: 2. Class Section: XI SCIENCE 3. Subject: ENGLISH 4. Number of Enrolled Students: 5. Name of the Lesson: "We're Not Afraid to Die if We Can All Be Together 				 6. No. of Periods required: 06 7. Date of Commencement: 8. Estimated Time Period from: 9. Actual date of completion: 				
Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand- on-learning	Interdisciplina Linkages and infusion of Li skills, Values	ry fe-	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
Reads the narrative non-fiction Identifies key details, Makes inferences, analyses events, characters and appreciates the impact of literary devices in prose Uses various types of vocabulary	Introduction Listening & Reading	Brainstorming (to relate to the story's theme of survival) 'A challenging moment in life where teamwork was crucial' Listen to the audio text and while listening to the audio text, follow the text book carefully	Geography: M the route taken family, understanding global geo involved in voyage. Science (Pl Discussion or storms form and the phys sailing, Instr	Iapping by the and the ography their hysics): h how at sea sics of ruments	All Is Lost is a 2013 survival drama film written and directed by J. C. Chandor <u>https://youtu.be</u> / <u>b- 50BQTiRH4?si</u> =XsWfUJXZvk Y_8QA7 Abhilash Tomy	Cloze gap exercise to check global comprehension While reading the text you must have seen how well prepared were they for the journey; count the details/ objects, etc.	Conduct small group reading sessions for students struggling with comprehensio n. Use simpler texts to build their reading confidence and gradually	Inclusive Practices Differentiated Instruction: For learners with difficulties, provide simplified versions of the text or allow them to work in pairs for all tasks. Use audio aids for

Analyses the structure	Reading aloud		used etc.	Interview: The		increase	auditory learners
and parts of words		Read selected passages from the story, especially focusing on critical moments like the storm and the family's reaction	Social Studies: Exploring the concepts of leadership, teamwork and crisis management.	Man Who Defied Limits Of Human Endurance <u>https://www.yo</u> utube.com/watc	Complete the table of problem solving using the tenets of problem solving procedure.	difficulty. Slip tests, flashcards, interactive worksheets	and offer visual aids like storyboards for visual learners. Encourage peer tutoring where
Uses grammatical structures accurately and appropriately	Narrative structure Use visual aids	Discuss how the first- person perspective enhances the emotional depth of the story	Infusion of 21st Century Skills & Values: Critical Thinking: Analyzing characters actions in the face of adversity.	<u>ruoY</u>	Rewrite the given paragraph from the text from the point of view of a third person by using third person personal pronouns		advanced learners assist struggling classmates. Highlight gender roles as depicted in the text –Mary and Sue
Develops informational texts with appropriate research	Group	Trace the family's route on a World Map	Collaboration: Working in groups to discuss and analyse key elements of the		to find out which style of narration is more effective. Storyboard'Ship'		
and structure	Discussion (small group)	Present a character analysis, focusing on leadership, courage, and unity of the assigned character (e.g., the narrator, the children, the wife)	text. Creativity: Storyboard activity encourages visualization and creative expression. Media Skills : Report		terms as homonyms. Compound words with '-ship' with different connotations Label the parts of a		
Writes items related to the workplace - formal		discussion on his/her responses to the	writing Values: Promoting		yacht Locate Ile		

reports for school		challenges faced	values of courage,	Amsterdam on the	
magazines/events/proce	Aut. Tuto sucto d		family unity, and	world map and	
sses/ or in local	Art Integrated		perseverance.	prepare a brochure.	
newspapers	Learning	Create a storyboard of			
about events or		the key events from			
about events of		the story,		Integrated	
occasions				Grammar Exercise	
Develops familiarity					
with themes of		using images and short	;		
perseverance and	Word power	captions		Locate Ile	
survival	Note Making	-		Amsterdam on the	
				world map/Google	
		finding facts from the		Earth. Study the	
Expresses opinions,		Internet, encyclopedia,		topography and	
facts, arguments in the		and maps		terrain. Collect	
form of speech using a		1		information from	
voriate of accurate				the Internet and	
sontoneo structuros	Deflective			prepare a brochure.	
Understanding of basic	Writing			Vou ara a raportar	
narrative techniques	witting			You interviewed	
first_person perspective				the parrator and	
in literature				his family and	
in incruture				gathered	
				information to	
Understanding of				write a report	
A duenture and Survival	Guided			about the disaster	
Narrative	writing			they encountered	
				at sea. Write the	
				report in 150-200	
Wnowledge of Neutral				words with special	
Knowledge of Nautical				*	

Terms - sea navigation, boats, and terms related to sailing

Awareness of concepts like bravery, teamwork, and facing fear in adversity, perseverance and survival Converting sentences from direct to indirect speech and vice versa Using phrasal verbs in

writing

Researches information for writing a report & brochure

Writes Subtitles based on the text

emphasis on the courage displayed by the narrator. Reorder the jumbled subtitles for the different parts of the journey and prepare notes on each of them. 1 Atrocious weather 2 Setting sail 3 The painful Ordeal 4 Unusual heroism in the face of grave danger 5 Determination, Courage & Optimism pays in the end 6 Introduction 7 Face to Face with death

	8 Ashore again
	9 X-mas in the
	Indian Ocea
	Describe the
	Describe the
	impact of the
	following situation
	on the children.
	a. The first
	indication of
	impending disaster
	came at about 6
	p.m., with an
	ominous silence.
	b. We were getting
	no replies to our
	Mayday calls
	iviayday cans.

Comments/Suggestions on Lesson Plan

Signature of the Teacher Signature of VP/HM

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:

- 1. Name and Designation of the Teacher :
- 2. Class & Section : 11 A,B
- 3. Subject : Hindi
- 4. Number of Enrolled Students :
- 5. Name of the Lesson : नमक का दारोगा

Date:

- 6. No. of Periods required : 07
- 7. Date of Commencement :
- 8. Estimated Time Period from :
 9. Actual date of completion :

to

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand-on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
छात्र इस पाठ के माध्यम से "सत्यमेव जयते" जैसे आदर्श वाक्य को चरितार्थ होते देखेंगे।	'सत्य और ईमानदारी' पर चर्चा करके, कहानी के शीर्षक की व्याख्या करना।	समूह चर्चा : पाठ के मुख्य बिन्दुओं (धर्म/अधर्म,सत्य/ असत्य,ईमानदारी/ बेईमानी) पर चर्चा।	इतिहास और संस्कृति से संबंध -रामायण, महाभारत जैसे महाकाव्य के सन्देश की संक्षिप्त चर्चा कर पाठ से सम्बन्ध दिखाना।	प्रेमचंद का जीवन, उनकी लेखन शैली एवं पाठ की पावर पॉइंट प्रस्तुति।	लिखित परीक्षण - वंशीधर के नौकरी लेने के पश्चात् भी पंडित अलोपीदीन द्वारा अपनी संपत्ति का निरीक्षक बनाना क्या स्पष्ट करता है?	कमजोर छात्रों की पहचान कर उनकी पाठ संबंधी कमजोरियो का मूल्यांकन करना।	अभिनय और नाट्य गतिविधियाँ: विभिन्न शारीरिक क्षमताओं के छात्रों को शामिल करने के लिए रोल प्ले और नाट्य गतिविधियाँ।
सत्य और ईमानदारी के महत्व को समझेंगे और यह भी जानेंगे कि किस प्रकार नैतिक मूल्यों को जीवन में अपनाना आवश्यक	छात्रों द्वारा पाठ का अनुकरण वाचन।	कहानी का नाट्य रूपांतरण एवं मुख्य घटनाओं का नाटकीय प्रदर्शन।	साहित्य और समाज से संबंध - साहित्य समाज का आईना होता है और प्रत्येक साहित्य(चाहे वह कहीं का भी हो, किसी भी	ऑनलाइन संसाधन (जैसे- दीक्षा, विकिपीडिया, यूट्यूब)	समूह चर्चा - वंशीधर के पिता द्वारा अपने पुत्र को भ्रष्टाचार की शिक्षा देना कहाँ तक युक्तिसंगत है? यह पिता की किस	व्यक्तिगत ध्यान देना एवं पाठ के मुख्य बिन्दुओं का लिखित रूप से सारांश उपलब्ध	दृश्य-श्रव्य पाठ सामग्री का प्रयोग: पाठ के विभिन्न पहलुओं को समझाने के लिए दृश्य और श्रवण संसाधनों का

है			भाषा का हो) समाज के यथार्थ से रूबरू कराते हुए नैतिक मूल्य को बनाये रखने की शिक्षा देता है।		विवशता को दर्शाता है?	कराना।	उपयोग।
कठिन परिस्थितियों में भी धैर्य, साहस और ईमानदारी का साथ देना ही भारत देश की परम्परा रही है, इस तथ्य से अवगत होंगें।	कहानी का पटकथा में रूपांतरण। पात्र के चरित्र का मानचित्र बनाना।	समूह चर्चा -'वर्तमान परिस्थियों को देखते हुए बताइए कि बड़ी-बड़ी डिग्रियां ,न्याय विद्वता का क्या सही दिशा में उपयोग हो रहा है?'	सामाजिक विज्ञान ः सत्य/ईमानदारी/धर्म/ न्याय/नैतिकता और शासन पर चर्चा।	ऑडियो- विजुअल उपक रण	पाठ की समझ, शब्दावली और नैतिक मूल्यांकन पर ध्यान केंद्रित करते हुए बहुविकल्पी प्रश्न (वर्कशीट)।	उदाहरण द्वारा पाठ की अवधारणा का सरल भाषा में व्याख्यान प्रस्तुत करना।	समूह कार्य ः विभिन्न क्षमताओं और पृष्ठभूमियों के छात्रों का समूह बनाकर उन्हें समूह कार्य के लिए प्रेरित करना।
	समूह गतिविधि : मुख्य पात्र (वंशीधर के पिता, वंशीधर और पंडित अलोपीदीन) के नैतिक गुणों का विश्लेषण।	कहानी के मुख्य पात्रों की चर्चा।	कला - कहानी का नाट्य रूपांतरण।		छात्रों द्वारा समूहवार प्रश्न मंच तैयार करवाना।	छात्र को पाठ संबंधी प्रश्न पूछने के लिए प्रोत्साहित करना।	लैंगिक संवेदनशीलता की चर्चा: कहानी के पात्रों और उनकी भूमिकाओं पर जेंडर संवेदनशीलता के दृष्टिकोण से चर्चा करना।
समाज की यथार्थ स्थिति से रूबरू होंगे।	कहानी का नाट्य रूपांतरण एवं मुख्य घटनाओं का नाटकीय प्रदर्शन। कहानी का वीडियो/फ़िल्म निर्माण।	कहानी के सामाजिक और राजनीतिक संदेशों पर समूह चर्चा।	प्रेरक प्रश्न और विचार- विमर्शाः नैतिकता, सत्य और ईमानदारी पर प्रेरक प्रश्न पूछकर चर्चा करना।			पाठ संबंधी छोटे- छोटे अभ्यास प्रश्न देना एवं उनके उत्तरों का मूल्यांकन करना।	

ज्योति Signature of the Teacher

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:

- 1. Name and Designation of the Teacher:
- 2. Class & Section: XI
- 3. Subject: Mathematics
- 4. Number of Enrolled Students:

5. Name of the Lesson: Complex Numbers & Quadratic Equations

Date:

- 6. No. of Periods required: 10
 - 7. Date of Commencement:
 - 8. Estimated Time Period from:

to

9. Actual date of completion:

Specific Learning	Pedagogical	Individual/Group	Interdisciplinary	Resources	Competency	Feedback and	Inclusive Practices/
Outcomes	Strategies for	activities /	Linkages and	(including	Based	Remedial	Gender Sensitivity
	Experiential	experiments / hand-	infusion of Life-	ICT)	Assessment	Teaching Plan	
	Learning	on-learning	skills, Values		items for		
					measuring the		
					attainment of		
					Learning		
					Outcomes		
1. Extends the	I. Inductive,	1. Represent Complex	Argand plane is a	1. Basic:	1. Quiz while	After Identifying	Teacher should ensure
idea of real		numbers in Argand	kind of carteasian	NCERT	teaching a	individual	all students feel
numbers to a	II. Deductive	dia ana m		BOOK-Class-	nontioulon.	learning	respected, valued, and
numbers to a	and III.Problem	diagram.	plane in two	11-	particular	weakness/difficul	safe, regardless of
larger system of	coluing	2 To find the	dimensions. Theory	Mathematic	concept.	ties, feedback	their backgrounds,
complex	SOIVINg	z. to find the	of equations.	S		through various	abilities, or
, numbers	1 To	conjugate of a	- Evenenantial corios		2. Ask student	assessment	identities. Teachers
numbers.	1.10	complex number in	Exponential series,	2. Videos of	to complete the	strategies,	should encourage a
2 Dowor of	understand	Argand diagram	Trigonometric	You tube	colution ofter	customized	variety of ideas and
2. FOWER OF	and realize the	Aigallu ulagi alli	functions sine,	channel - for	solution alter	remedial teaching	perspectives, and help

Imaginary	need of	3. To find the	cosine etc are	demonstrati	initiation.	plan should be	students develop a
number "i"	complex	modulus of a	infinite series.	ng		adopted, it may	sense of belonging.
	numbers as	complex number in	Understanding and	geometrical	3. Framing MCQ	be re-teaching	
3. Standard form	real numbers	Argond diagram	acconting now	meaning of	to assess all	during or after	
of a complex	real numbers	Arganu ulagram.	accepting new	each	learning	school hours.	
number.	system is not		theories/idea after	concept.	outcomes.		
	sufficient.		thinking them	3. Wikipedia			
4. To identify			logically.	-to know the	4. HOTS level		
Real and	2.To provide a			History of	question to		
Imaginary part of	situation to			Complex	assess problem		
	find solution of			Numbers			
a complex	an equation			and	SOIVING SKIII		
number.				of various	achieved among		
E Equality of	x ² +x+1=0.			mathematici	students.		
5. Equality of				ans in the			
two complex	3. Combination			topic.	For Example;		
numbers.	of real number				1 The smallest		
	and an				1. The smallest		
6. Algebra of	imaginary				positive integer		
complex	number as				n for which		
numbers					$(1+i)^n$		
7. Conjugate of a	complex				$\left(\frac{1-i}{1-i}\right) = 1$ is		
complex number	number						
8. Wuitiplicative	4. Weaning of				2		
inverse of a	complex				Z.		
complex number	number in				$1 + t^{2} + t^{20} - t^{20}$ IS -		
					3.		

9. Modulus of a	Argand		Prove that $\left(\frac{2+3i}{2-4i}\right)\left(\frac{2-3i}{2-4i}\right)$		
complex number	diagram.		(3+4i)(3-4i)		
10. Argand			Is purely real.		
diagram	5. Geometrical		4.		
11. Find non real	meaning of		If $c + ib = c + i$		
solutions of a	Modulus and		If $a + 10 = \frac{1}{c - i}$		
guadratia	conjugate of a			b 2c	
quadratic	complex		P.T $a^2 + b^2 = 1$ and	$\frac{b}{a} = \frac{2c}{c^2 - 1}$	
equation.	number.				
			5. Find x, y		
			if $\frac{(1+i)x-2i}{2} + \frac{(2-3i)y+i}{2} = i$		
			3+1 3-1		
			6. Solve: x ³ -1=0		
			7. If 1+i is a root		
			of the equation		
			x ² +ax+b=0		
			a haro roals		
			a, b are reals,		
			then find		
			a+b.		

Signature of the Teacher

Comments / Suggestions on Lesson Plan

KENDRIYA VIDYALAY SANGATHAN

LESSON PLAN

General Information:	Date:	
1. Name and Designation of the Teacher : PGT PHYSICS	6. No. of Periods required :	
2. Class & Section : XI A	7. Date of Commencement :	
3. Subject : Physics	8. Estimated Time Period from :	to
4. Number of Enrolled Students :	9. Actual date of completion :	
5. Name of the Lesson : Mechanical Properties of Fluids		

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand-on-learning	Interdisciplina ry Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedbac k and Remedia l Teaching Plan	Inclusive Practices/ Gender Sensitivity
1. Learners-	Teacher will start the lesson	Activity- Hydraulic	Mathematics:	Pascal's law -	MCQ 1. The pressure	Short quiz /	- Hands on
Understand and state Pascal's law -Understand relationship between Force, Area and Pressure,	by Introductory simple activity - effect of Area on Pressure	press	proof of Pascal's law and other formulae using algebra.	<u>Animated and</u> <u>explained with</u> <u>3d program</u> - Hydraulic press kit	exerted by a liquid column at the bottom of the liquid container is- (a) Dependent on the density of the liquid (b) Equal in all	discussion with students to identify specific areas of misundersta nding for each topic	demonstration - Diverse examples - Real life examples.

how changes in	Same force	- To understand the		White - board	directions.		
one affect the	1 1	principal of Hydraulic	Chemistry –	Smart board			
others and able to		press and	concept of		© Not dependent on	Short	
Solve Problems	Small area	Transmission of fluid	pressure		the area of cross-	Revision of	
involving these	Sharp knife Blunt knife	pressure			section of container	each topic	
quantities.		' L			(d) All the above are		
1					(u) All the above are		
					true.		
		-			- Define pressure.		
	Eg- A woman wearing high				write its SI unit.		
	heels exerts more pressure						
	on the ground than other				If a force of 100 N is		
	woman wearing flat shoes.				applied to a square		
	Why?				area of side 5 m, what		
					is the pressure exerted,	,	
	- Quiz based on previous				side of square area is		
	knowledge and simple				halved?		
	numerical problems on						
	force, area and pressure						
	-Participated teaching cum	ı					
	discussion with suitable						
	activity						
	activity						
2. Understanding	Discussion various daily life	;		Interactive	State Pascal's law.	Remedial	Connecting to global
Hydraulic	applications of Pascal's law-			panel	Give real life	teaching by	perspectives .
Systems- Explain	hydraulic lift	DIY Hydraulic lift/			examples where	diagrams	
working of		arm-	Art &	Display	Pascal's law is used.	and suitable	- · ·
hydraulic break,		Encourage the	Innovation-	required	Draw diagram of	videos	Encouraging questions
hydraulic lift		students to build it	making models	videos	explain its working		narticipation
- Identify real life		using springes plastic	of hydraulic lift	videos	capitani ito working.		
applications of		tubes and conducerd	or injurautic fift		Problem Solving &		
Pascal's law		ubes and cardboard.			Drae conclusion		Offers various
- Design simple					1. A hydraulic lift is		assessment formats
Design simple							



like written explanation, oral presentation, practical demonstration of Pascal's law.

3. Estimates the	Experiential Learning:	Act. 1		Plastic bottle.	1-Students to practice	Diagnostic	Hands on
pressure due to a	FB .			scale etc	the derivation for	Assessment	demonstration
fluid column	Students perform a simple	To show if depth is	Environmental	required for			
	activity to understand the	same, pressure exerted	Sciences –	activity.	$P = \rho g h$		
	variation of pressure with	by liquid column at	Effect of				
	depth	each point will be	pressure with	White board /			
. Learners	1	same	depth affects	Smart board	Understen din e en d		
understand how			aquatic life.		Understanding and	Step-by-Step	
fluid pressure					Application-	Problem-	Use of Multisensory
varies with depth	Participative Teaching:		Water Resource		2-What happens to the	Solving	Teaching Techniques
and density.	Dorivation of Programs due		Management.		2- what happens to the	Guides	
······································	Derivation of Pressure due	(ALS)	Aarospaca		pressure if we go	Guides	
	to liquid column to be done		Engineering		deeper into a fluid?		
	with clear explanation of	Act 2.	Engineering		3- Why is atmospheric	Provide	
Derive the formula	each step.				nressure less on	extra	
\mathbf{P} - agh and use it		To show pressure due			mountaina?	practice	
r = pgn and use n		to liquid column			inountains:	problems,	
to solve numerical	Discussion of various	increases with increase				simple,	
problems	applications of this concept	in depth				moderate	
	in daily life _	1			4 - Compare the	then difficult	
					pressure exerted by	level	
Relate this concept	- Structural Designs of	201 ⁰ 0			two liquid columns		
to various real-life	Dams and reservoirs				having density 850		
situations Discuss	- Fluid Storage tank	pressure of water			kg/m ³ and 1000		
applications in	designs	with coph			kg/m [°] respectively		
applications in	- Effect of gravity on	high pressize jet			at depth of 10 m.		
engineering and	Blood Pressure in	wite			5 Which of these		
natural phenomena	Humans				water vessels has		
like atmospheric	- Deep-Sea	Students will observe			maximum pressure		
pressure	Exploration etc.	reacord the range for			at bottom?		
3 Effect of		record the range for					
onovity on fluid		each jet stream,					
gravity on huld		discuss and conclude					
pressure		the result.					

Learners- Analyse pressure in different gravitational environment.							
4) Learner	Explanation cum discussion	Students observe and			• Define Viscosity.	Group work	Collaborative learning
Understands and	with suitable activity	record data from			How viscosity of	and peer	Opportunities,
define Viscosity		activity and calculate	Chemistry –	Required	liquid changes with	Teaching.	
	cylinder	coefficient of viscosity	tension	activity	temperature.		Encourage self
	Ball bearing	of given fluid, terminal	lubrication.				assessment
Learner derives	Reference point 1	velocity.	Surface tension-	Graph			
Stoke's law using		Terminal velocity	molecular	Interactive			
dimensional	d Glycerin	t	theory, capillary	board	2. Explain how does a		
analysis		Velocit	tube-checking		body attain a terminal		
			concentration		velocity when it is		
Learner applies		$Time \rightarrow$	and molarity.		dropped freely in a		
Stoke's law to					viscous medium? Why		
determine			F		air bubbles in a		
Terminal velocity		Steady Turbulent	Engineering		medium move in		
		× ×			upward direction?		
	- Derivation of Stoke's law		Biology: Blood				
Learner	chalkboard		Flow and Heart				
differentiates types	charkooaru		Attack.				
of fluid flow based	Discussion with Examples						
on its Reynold's	of -streamline flow- flow of						
no.	oil through thin tube/ blood		Food Sciences-				

	flow in small arteries Turbulent flow of fluid – flow of water in river, smoke etc.		Understanding viscosity as the key factor in food products. Atmospheric Science – Concepts of turbulence and movement of air masses are important in climate studies				
 5. Learner will State, Explain and Derive Bernoulli's Theorem and explains many real- life phenomena based on this principle 	Derivation of Bernoulli's theorem	Students will observe the effects of pressure, velocity of fluid on changing diameter of tube Sports Activity- Students can be asked	life lesson- Why people should stand away from fast moving trains on a platform Cooperative learning- Problem solving and group activity. Natural Phenomena - how birds fly, how rivers flow around obstacles.	https://youtu.b e/DW4rItB20h 4?si=TnOppg OIp_YiO4FI - Short videos of the topics	 Application- State the reason – (a) Why light roofs blown off during wind storm? (b) Why we shouldn't stand near fast moving train? Mathematical/ Problem Solving Competency- . Derive Bernoulli's theorem. If the speed of airflow over the top of the wing is 80 m/s and the pressure is 	Timely and constructive feedback to help students understand their progress and areas of improvemen t	 Provide resources in different formats Diagrams, text, short notes, videos, minimum learning material / extra ques practice according to need of student

	-	to kick a ball without	designing		measured 500 Pa,		
		spin / with spin and	hydraulic		calculate the pressure		
		see the effect.	systems, pumps,		on bottom of wing if		
			turbines.		speed of air is 60m/s		
			Optimising fluid		there.		
			transport systems, Aerospace Engineering, Civil Engineering.		List two real world applications of Bernoulli's theorem in Engineering / nature and explain how the theorem applies to each case.		
6.) Learner	Inquiry based Learning –	Activity- Floating	Biology –		. Define surface	Spiral	- Hands on
defines, explains	Onen and ad avastions. Why	needle on water	Capillarity,		tension and surface	teaching of	demonstration
and differentiate	de amell incosts wells on	surface despite of	photosynthesis	Activity	energy. Write SI units	each and	Diverse exemples
between Surface	uo sinan insects walk on	being denser than		required	of both.	every topic	- Diverse examples
Tension and	wate1	water.	Environmental	materials .			
Surface Energy			Science- Soil and				- Real life examples
			water interaction	Textbook /	2. A needle is gently		
	Participated teaching cum	and the second diversion of th		Reference	placed on the surface	Timely and	
- Identify factors	discussion of Surface			DOOK	of water and it remains	feedback to	
affecting surface	Tension, Surface Energy,			Interactive	floating. If surface	help students	
tension	their relation.			board.	tension of the water is	understand	
					0.072 N/m and needle	their	
					is 3 cm long find the	progress and	
- Calculate angle					force due to surface	areas or improvemen	
of contact and					tension acting on	t	
excess pressure.					needle.		
						Breakdown	
						complex	
					3. if 1 J work is	concepts	

- Apply the	
concept of surface	
tension to	
Capillary rise,	
drops and bubbles	



Signature of the Teacher

Comments / Suggestions on Lesson Plan

PLAN General Information: Date: 1. Name and Designation of the Teacher: 6. No. of Periods required : 2. Class & Section: 7. Date of Commencement : XI-Science 3. Subject: 8. Estimated Time Period from-to: Number of Enrolled Students: 9. Actual date of completion : CHEMISTRY 4. Name of the Lesson: Individual/Grou Interdisciplina Feedback Inclusive **Specific Learning** Pedagogical Resources Competency (including ICT) Practices/ Gender Outcomes Strategies for p activities / ry Linkages Based and Experiential experiments / and infusion Remedial Sensitivity Assessment of Life-skills. Learning hand-on-learning items for Teaching Values measuring the Plan attainment of Learning Outcomes Provide multiple The teacher: • Explanation of • Worksheet • Identify •Students will be able •Cobalt •Climate resources (videos, •Starts the topic by comprising of student Chloride Chatelier's Principle to apply Le-Change and articles, diagrams) helping learners to misconcept competency • https://youtu.be/iiO2 Chatelier's Principle Equilibrium Ocean recall explaining the ions or that cater to and predict how a based questions. Experiment Chemistry: kL9jsg different learning principle in simple, system at equilibrium areas of Materials: Cobalt Apply the relatable terms styles—visual, difficulty (II) chloride • Diagram based will respond to idea to ocean • Video of giving an analogy related to auditory and questions changes in solution (CoCl₂), acidification. interconversion of of a "seesaw" or a kinesthetic. concentration. Hydrochloric acid, Le-NO2 gas into a process

KENDRIYA VIDYALAYA SANGATHAN LESSON

temperature, and	"balancing scale",	Water, Beakers,	that affects	N2O4 gas (effect	• Case based	Chatelier's	
pressure.	where disturbing the	Ice bath and hot	marine life	of temperature)	questions	Principle.	
	system causes the	water bath	by changing	 <u>https://youtu.be/ScW</u> 			
•Students will be able	system to adjust to	Thermometer	the ocean's	<u>Bj0hqOLE</u>		 Provide 	
to interpret the	maintain balance.		carbonic			Immediate,	
equilibrium constant		•Chromate-	acid and	 Video of 		Constructive	
(K) and understand its		Dichromate	carbonate	interconversion of		and Specific	
implications for the		Equilibrium	equilibrium	chromate into		Feedback	Organize students
position of	•Lists out the	Experiment	due to rising	dichromate (effect o			into diverse groups
	factors that affect	Materials:	CO2	concentration)			based on varying
equilibrium in a	the state of	Potassium	concentratio	•https://youtu.be/coB			skills and
chemical reaction.	equilibrium	chromate,	ns.	360o2t4			backgrounds to
							encourage peer
	•Uses online	Potassium, Dilute				 Remedial 	learning and
	simulations and	sulfuric acid,	•Haber Process:			Teaching	support.
•Students will be able	videos that allow	Sodium hydroxide	The			Plan for	
to work collaboratively	students to	solution,	optimization of			Reinforcing	
to solve equilibrium	manipulate		industrial			Conceptual	
problems and	conditions such as	Test tubes and	processes, such			Understand	
effectively	concentration,	beakers	as ammonia			ing	
communicate their	temperature, and		synthesis,			U	
findings and reasoning	pressure. These	•Iron Thiocyanate	depends on Le			• Addressing	
to peers.	simulations provide	Equilibrium Expt	Chatelier's			Specific	
-	immediate visual	Materials:	Principle.			Areas of	
	feedback on how	Iron(III) chloride,				Difficulty	
	the system adjusts.	Potassium	•In biological			Difficulty	
	•Guides learners to	thiocyanate, Water	system :				
	perform simple in-	Beakers, Dropper	Equilibrium is				
	class	· • • • •	important in				
	demonstrations or	•Pressure and	biological				
	laboratory	Volume Effects on	systems for				
	experiments that	Gas Equilibria	processes like				
	show equilibrium in	(Syringe	blood pH				
	action.	Experiment)	maintenance				
	•Gives opportunity	Materials:	buffer systems				
	to learners to give	Syringe, Container	and pulmonary				
	feedback and follow	with stopper,	gas exchange				

up of the discussed	Nitrogen dioxide	(O ₂ and CO ₂		
topic.	gas.	exchange).		

	Comments / Suggestions on Lesson Plan	Comments / Suggestions on Lesson Plan
cher	VP/HM	Signature of the Principal

Signature of the Teacher

KENDRIYA VIDYALAY SANGATHAN

LESSON PLAN

	<u>General Informati</u>	ion:								
	1. Name and De	signation of the Te	acher :		6. No. c	of Periods requir	ed : 9			
	2. Class & Sectio	n : XI A			7. Date	of Commencem	ent :			
	3. Subject : BIOL	OGY			8. Estin	nated Time Peric	od from :	to		
	4 Number of En	rolled Students :			9. Actua	al date of compl	etion :			
	5. Name of the I									
	Specific Learning Dutcomes	Pedagogical Strategies for Experiential Learning	Individual/ Group activities / experiment s / hand- on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity		
E	xplain the processes	Introduction: Brief	Interactive	Mathematics:	Seeds, soil,	Formative	Student	Differentiated instruction to		
of	f plant growth and	lecture on basic	Discussion:	Calculating growth	water, and	Assessment:	Feedback:	cater to diverse learning needs		
de	evelopment.	concepts of plant	Engage	rates and analysing	pots for the	Observations and	Collect	Providing materials in multiple		
Id	lentify and describe	growth.	students in	data.	germination	feedback during	feedback on	formats		
th	e phases of plant	Interactive	discussing	Environmental	experiment.	group activities	the lesson to	(visual, auditory, tactile).		
gi	rowth.	Discussion: Engage	what they	Science: Exploring the	kulers and	and discussions.	understand			
IV.	reasure and analyse	students in discussing	already know	inipact of	scales for	Assessment: A	what worked			
di	fferent	know about plant	growth	on plant growth	growth	auiz on the	didn't			
u	morent	growth	growui.	on plant growin.	narameters	concepts				
n	arameters	510 w th.			parameters.	covered in the				
U	nderstand the role					lesson.				

of intrinsic and							Encouraging peer support and
extrinsic factors in							group learning to include all
plant growth	Hands-on Activity:	Hands-on	Chemistry:	Charts and	Practical	Self-	students. Ensuring physical
Differentiate between	Conduct an	Activity:	Understanding the	diagrams	Assessment:	Reflection:	accessibility to all
absolute and relative	experiment on seed	Conduct an	biochemical processes	illustrating	Evaluation of the	Teachers	experimental setups.
growth rate	germination and	experiment on	involved in growth	growth phases.	experiment and	reflect on their	
Explain	measure growth	seed		Access to	data analysis	teaching	
differentiation,	parameters.	germination		multimedia	conducted by	methods and	
dedifferentiation and	Group Work:	and measure		resources for	students	student	
redifferentiation in	Students will work in	growth		visual learning		engagement.	
plants	groups to analyse	parameters.				Continuous	
Recall and explain the	data and present their	Group				Improvement	
observations that led	findings.	Work:				: Modify and	
to the discoveries of	Use of Visual Aids:	Students will				adapt lesson	
various PGR	Diagrams and videos	work in				plans based on	
Classifies the plant	to illustrate the	groups to				reflections and	
growth hormones in	phases of growth and	analyse data				feedback	
terms of their	the role of	and present				for future	
chemistry and	meristems.	their findings.				classes.	
function with		Use of Visual					
examples		Aids:					
Explain the		Diagrams and					
physiological effects		videos to					
of PGRs		illustrate the					
		phases of					
		growth and					
		the role of					
		meristems.					

Comments / Suggestions on Lesson Plan Signature of the Principal

Signature of the Teacher

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:		Date:	
1. Name and Designation of the Teacher :		6. No. of Periods required :	10
2. Class & Section :	XI A	7. Date of Commencement :	10
3. Subject :	COMPUTER COLENCE	8. Estimated Time Period from :	to
4. Number of Enrolled Students :	COMPUTER SCIENCE	9. Actual date of completion :	
5. Name of the Lesson :			
	DICTIONARIES		

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand- on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
Identify the utility	Conceptual	Creation of dictionary	Problem solving skill	Python IDLE	Coding	Personalized	Provide extra time to
of advanced data	teaching with	using Python Idle	Communication SKII		Drogrom writing	instruction	works
type-Dictionary	analogies: Use	software	Critical uninking skill		Program writing		WOIKS
	real world		Creative SKIII		distioners to store		
	example to explain		Collaborative skill		house name and		
	abstract concept		Kelale with		nouse name and		
	abstract concept		mainematical		points.		
	-Compare		operations like				
	dictionaries to		mapping, arithmetic		Assessment		
	ulcuonaries to		and logical reasoning.		tocus:		

	phonebook or an address book where name maps to phone number or address				Correct use of key value pairs in dictionary and interactive updating in dictionary.		
Understand memory mapping	Use live coding session to create and execute dictionary programs	Guess the output-group activity	Use diagram (or any visual art) to represent key-value relationship in a dictionary.	PowerPoint presentation	Predict the output Based on the given program,ask the students to write output Assessment focus: Correct answer in correct output format	Schedule additional classes	Give opportunities to work with peers based on their needs, interest or skill levels
Organize data as key value pairs Identify mutable nature	Active learning with hands on coding	Debugging activity- Identify errors and suggest corrections required for the desired result.	Create dictionary that map species to their scientific name or biological classifications.	Interactive panel/LCD projector/ Visualizer	Debugging Challenge the students with code containing intentional errors, and guide them in identifying and correcting the mistakes.	Peer tutoring	Use assistive technology, such as software that read aloud text, convert speech to text or increases font size, to enhance learning and engagement.
Define dictionary methods	Case based learning	Coding -dictionary creation to store frequency of characters present in a string	Design dictionary program to store geographical data, historical data etc.	Worksheets		Frequent assessment	

Apply dictionary methods in code	Interactive visualization of code: Apply each function in a code and explain the difference.	Solving practical assignment and worksheets	Make dictionary project to store AI model and business data	White board	MCQ competency based sample questions.	Parent involvement	Encourage leadership roles for both boys and girls throughout the project to ensure balanced participation and representation.
Develop coding skill							

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

<u>General Information:</u>	Date:		
1. Name and Designation of the Teacher :	6. No. of Periods required : 06		
2. Class & Section : XI C	7. Date of Commencement :		
3. Subject : Informatics Practices (IP)	8. Estimated Time Period from :	to	
4. Number of Enrolled Students :	9. Actual date of completion :		
5. Name of the Lesson : Data Visualization			

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Grou p activities / experiments / hand-on- learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
Learners will be able	Learners	Group activity	 Interdisciplinary 	1. PPT	1. Multiple choice	 Focusing on 	MLL questions
to	Identify the	1. Discussion on	linkages, infusion	2. Physical PC	questions	how to	SPIRAL Learning
1. Understand basics of	components	configuration of	of 21st Century	(For Hardware	2. Oral test	Interconnect	HOTS questions
computers and	and Memory	computers,	Skills, values etc.	demonstration)	3. Slip test	Data with	Peer learning
computing: Evolution	units of	concept of RAM,	 Integrate the 		4. Draw Block	Input/ Output	 Inclusive
of computing devices,	computer	HARD DISK,	topic with science,		Diagram of	Devices	language.
components of a	system.	motherboard,	mathematics,		Computer	 Detailed 	
computer specially in	 Practice of 	processor etc.	finance,		5. Define the Input	Working of	
reference to IPO Cycle	Flow of Data	2. Conceptual	engineering		and Output/ input	Bus with	
(Input/Output/Proces	based on	discussion on	• Constructivism is		Devices	Digital	
sing)	different types	various real world	a paradigm of			Architecture of	
2. Identify Computer	of	situation of data	learning that			Memory Units	
System and their	applications/log	storage like	describes the			and Data Flow	
interconnections,	ical linking of	LIBRARY – HARD	process of			in all Data Bus,	
Input/output devices.	flow.	DISK, BOOK –	knowledge			Address Bus,	

3. Differentiate	RAM,	formation. In		and Control	
between hardware and	CHAPTER/PAGE –	constructivist		Bus.	
software.	CACHE and	learning, students		 Memory 	
	reading/understa	learn actively		Measurement	
	nding –	rather than wait		Units and	
	PROCESSING	passively for the		Types of	
		teacher to spoon-		Memory.	
		feed them with			
		information.			

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAY SANGATHAN

LESSON PLAN

General Information:	Date:
1. Name and Designation of the Teacher: , PGT HISTORY	6. No. of Periods required : 05
2. Class & Section: XI	7. Date of Commencement: .
3. Subject: HISTORY	8. Estimated Time Period from :
4. Number of Enrolled Students:	9. Actual date of completion :
5. Name of the Lesson : WRITING AND CITY LIFE	

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Grou p activities / experiments / hand-on- learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/Gender Sensitivity
Elucidate the	To use a table	Students will	-Critical Thinking:	https://www.youtube.co	Explain the	Key points	-Inclusion of low
interwoven social and	to bring out	locate Important	students have to	<u>m/watch?v=EwY-</u>	connection	discussion,	bloomers in
cultural aspects of	the connection	cities of	discover the role	<u>ziBL1Jw</u>	between the	Peer	classroom
civilization in order to	between city	Mesopotamian	played by		growth of	teaching,	discussion and
understand the	life and	civilization on the	geographical		human	Providing	encouraging them
connection between	culture of	map of west Asia.	features in human		civilization	graded	to take initiation in
city life and culture of	contemporary	Iran, Uruk, Uk,	settlements.		and the	worksheets	group activities.
contemporary	civilizations.	Babylon &	-Collaboration :		tradition of	for Map	They may be
civilizations through		Caspian Sea,	students need to		writing.	work,	drafted for doing
their writings.		Arabian Sea,	work together			source-	map work and
		Mediterranean	-Communication			based	collecting
		Sea, Aran Sea.	Skills: students have			questions.	information, Class

			to make a presentation in the class. -Information Literacy: students need to travel			groups shall have mix of both boys & girls.
			collect information on the topic.			
Describes the importance of geography in shaping history.	Using Visuals to explain.	Students will read the textbook and draw a rough diagram/map to represent the region discussed and identify the geographical conditions and associated activities practiced.	-Developing spatial awareness with the help of map work, analysing and understanding interdependence between geographical conditions and economical activities, their impact on society.		Elucidate the importance of geography in shaping history.	
Analyses the outcomes of a sustained tradition of writing.	Group discussion to discuss whether writing is significant as a marker of civilization.	Making Clay tablet to understand how people made and used clay tablets to keep records (group activity)		https://www.twinkl.c o.in/teaching- wiki/ancient- mesopotamian- writing#:~:text=Cunei form%20is%20a%20 method%20of,betwee n%203400%20and% 203100%20BCE	Analyze the outcomes of a sustained tradition of writing.	
Explains the connection between the growth of human civilization and the tradition of writing.				https://diksha.gov.in/pl ay/collection/do_31310 347529740288011072? contentId=do_3130879 718174310401153		

Comments / Suggestions on Lesson Plan

Signature of the Teacher
1. Name and Designation of the Teacher:2. Class and SectionXI E3. SubjectGEOGRAPHY

4. Number of Enrolled Students:

5. Name of the Lesson: INTERIOR OF THE EARTH/ EARTHQUAKE

6. No of Periods required :7.Date of Commencement8. Estimated time Period from to

9. Actual date of completion:

KENDRIYA VIDYALAY SANGATHAN

Specific learning outcomes	Pedagogical Strategies for Experiential learning	Individual/Group activities/ experiments/ hands on learning	Interdisciplinary linkages and infusion of life skills, values	Resources [including ICT]	Competency based assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
(At the end of the chapter students are able to) Describe the	Video- showing fault and release of energy leading to earthquake <u>https://youtu.be/uA</u> <u>OLKfQpYA</u>	Watching the video and participating in discussion Noting the important terms related to earthquake-fault,	Link with Physics Shadow zone- Refraction of waves when passing through materials of various states	Physical resources Worksheet Diagrams Maps and Globe	Label the diagram given	Instant feedback is given during activities and rectification of errors are	Design Earthquake Safety Procedure Display poster and demonstrate in the class
concept of earthquakes Define the terms related to earthquakes and explains		focus, epicenter, seismograph Draw a diagram showing focus and epicenter	and density Propagation of p and s waves Global awareness and citizenship (Explore how	ICT resources Your tube videos Smart board	Prepare a model of seismograph[art integrated work]	done. Mind map of important concepts for slow bloomers.	EARTHQUAKE SAFETY

the process of occurrence of earthquakes Explain the different types of earthquake waves, the process of	video- showing types of earthquake waves https://www.britannic a.com/video/181934/r ock-vibrations-Earth- earthquake-waves-P- surface	Watching the video and participating in discussion	different cultures respond to earthquakes and how preparedness varies globally.) Digital Literacy (Use online resources and databases to	Google forms for MCQ test	Label the wa	tay waves is in the s	eismogram	Additional simplified worksheets for students needing extra help	Role-Playing by all students- Drop, Cover, Hold (Multiple Means of Engagement by Offering choices in activities)
their propagation, and shadow zones	video and diagram of shadow zone https://www.youtube. com/watch?v=7eeqzR Ug4DU diagram showing the propagation of p and s waves	Watch the video and drawing the diagram showing shadow zone of p and s waves Noting the features and presenting it Study of the diagrams to know the propagation of earthquake waves and note the findings	gather information on earthquake statistics and case studies.) Adaptability (Develop resilience by discussing how communities can adapt to living in earthquake-prone areas.)		Table compleFEATUREType ofWaveMediumof TravelMovementDetectiononseismographEffect onStructuresExamplesProvide studdiagram of sfollowing:Crust, Mantwaves, S-wat	etion P WAVE Compresses and expands the medium (back and forth) First waves detected by seismographs ents with a blank hadow zone for la le, Outer Core, Inives, Shadow Zone	S WAVE Transvers e Can only travel through solids More destructi ve Waves on a guitar string version of the abelling the mer Core, P- e, Epicentre		
Explains the	Discussion on types of	Participation in the			Written assig	gnment- Types of	Earthquakes		

types of earthquakes – tectonic, volcanic, collapse, explosion and induced earthquakes	earthquakes	discussion						
Defines Richter Scale	Study of the chart showing	Study of the chart provided and note the		Table com	oletion Richter	Mercalli Scale]	
and evaluates the use of the Intensity Scale in measuring earthquakes	measurement of earthquake using Richter and Mercalli scale	findings discussion on differences between the two scales and their applications.		Type of Measure ment	Scale	Qualitative (measures intensity based on observed effects)		
				Scale Range	Typically from 0 to			
				Measure ment Method	Uses seismic wave amplitude recorded by seismograp hs			
				Purpose		To describe the impact of an earthquake on people, structures, and the Earth's surface		
				Geograp hic Variation		Subjective and can vary depending on the location and local conditions		
				Example Descripti ons	4.0: Minor earthquake; 7.0: Major earthquake	II: Felt by a few people; VI: Causes significant damage		
				Usage	used in			

			Strength S	scientific contexts and media reporting
			Limitatio	
Explains the effects and frequency of earthquakes	Images of various effects of earthquakes are shown and its discussion Data from internet – major earthquakes and its magnitude <u>https://www.mapsofw</u> <u>orld.com/thematic- maps/earthquake/</u>	Observing the images and participation in discussion Study the given data and make inferences regarding the magnitude and frequency of earthquakes	Written as On a work beads) wh occurred. [art integr <u>Competer</u> 1. If an a are so also lii Which relate a. F b. T 2. Vijaya in the Karna Karach town kilome the to for a p	asignment- ef d map mark t ere major ea ated work] acy Based que rea is prone t me other nat kely to be cor of these is no d disaster? orest Fires of sunami d. stays on the e town of Ka taka. There w ni off the co of Karwar etres away fr bossible tsuna ald have led th

	sciontific			
	scientinc			
	and modia			
	roporting			
Strongth	Teporting	Captures		
Strength		Captures		
5		ovnorioneo and		
		experience and		
		damare		
Limitatio		Subjective: can		
ns		be influenced		
115		by location and		
		observer hias		
Writton ac	ignmont offe	ots of oarthquak		
whiten as:	nginnent-elle		C3	
			rod	
on a world	map mark the	e location (using	rea	
beads) whe	ere major eart	nquakes have		
occurred.				
[art integra	ited work]			
Competend	cy Based quest	<u>tions</u>		
1. If an ar	re			
are son	ne other natu	ral disasters that	are	
also lik	ely to be com	mon to these reg	ions.	
Which	of these is not	an earthquake-		
related	disaster?			
a. Fo	orest Fires c.a	valanche		
b. Ts	unami d. f	loods		
2. Vijava	stays on the w	estern coast of	India	
in the	town of Kar	war in the stat	e of	
Karnat	aka There wa	s an earthquake	near	
Karnata	i off the cor	st of Dakistan	Tho	
Karach		ist Of Pakistan.	1200	
town	of Karwar I	s more than	1300	
kilome	tres away fro	m Karachi. How	ever,	
the to	wn authorities	s sent out a war	rning	
for a po	ossible tsunam	ni event.		
What woul	d have led the	authorities to se	end	
out the wa	rning?			

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

Date: 6. No. of Periods required: **12**

7. Date of Commencement:

8. Estimated Time Period from:

9. Actual date of completion:

to

<u>General mormation:</u>

1. Name and Designation of the Teacher: **PGT-ECONOMICS**

2. Class & Section: XI

- 3. Subject: **ECONOMICS**
- 4. Number of Enrolled Students:
- 5. Name of the Lesson: **DEMAND AND ELASTICITY OF DEMAND**

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand-on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
#The students will be	Art Integrated	Derivation of	#Interdisciplinary	#Power Point			# Use of visual aids
able to: #Define demand.	Learning (Role play of daily market on individual demand and market demand, and	Market demand https://docs.google.c om/d ocument/d/11yJh3W 58bB i9htoBkoP9KIDTollAq 1eVZ DQ7pzFkXXo/edit?us	Linkages *Correlation of demand schedule with formation of a table. (Interdisciplinary) *Demand curve with	Presentation to show demand schedule and demand curve.	# Slip test Quiz # Oral Questions	# List of students identified for not having understood the topic/	(charts, graphs, PPTs, Videos) and real-life examples. # Differentiated
#Differentiate	relation	<u>p=sh</u> aring	graphical		during discussion.	chapter	instruction with varied
betweenindividual	between the two)	Project: Students	presentation of data.		(Assessment for	taught	teaching methods.

demand and market		will be asked to	(Inter disciplinary)	#NCERT text	Learning)	(Through slip	
demand		compare the price		book	20011115/	test /	
demand.		and demand of any	*Demand function	DOOK.		learner's	# Group discussions
#Explain demand	Case based	product during the	and Supply function			dainy (any	and collaborative
function.	learning	off- season and	(Intra		# Home	ualry / any	learning activities.
	(listing of		disciplinary)	#Flip charts	assignment.	other	
#Analyse	factors	same product	*Numerical ability.	on Factors		assessment.	
	affecting	auring regular	(Inter disciplinary)	affecting			
the factors	domand for a	find the reasons of	*Mooning of	demand for a	#Poport		
	good)	the same.	elasticity of metals	good.			
	goodj		in physical science.	0	submission.		
affecting demandfor			(Inter disciplinary)				#Simplified language
a commodity							and definitions for
a commonly.			#Infusion of 21st	#Different			complex terms
			Century Skills,	diagrams to		# 5 minutes	
			values etc	show		doubt	
			*Critical and	movement			
				along a		clearing at	# Use of case studies
			creative thinking.	demand	# Peer-	the end of	related to government
			(Making of demand	curve and	assessment-	each period	budgets.
			schedule and	shift in	Group discussion	cuch periou	
			demand curves)	demand	onlaw of		
				curve.	Demand		#Assistive technology
					Demand.	# Allow the	and loarning aids for
#Analyse the	Art integrated	Hands on activity-				students to	and learning alus for
relationshipbetween	learning	Innovative	*Communication.			ask their	students with special
price and demand		derivation of law			# 05 minutes	doubt during	needs.
	(Drawing	of demand- link	(Group discussion on		Question	period and	
(law of demand)	Demand Curve	https://diksha.gov.in/pl	demand function and			clarificationat	
	with the help	ay/c ollection/do_3131034754	law of demand)		- Answer Session	the same	# Real-life application
	ofDemand	279			duringclassroom	time.	projects.
	Schedule	<u>8336011098?contentId=d</u> 0_3			discussion.		
		<u>1308793234080563213</u>	*Collaboration				
#Differentiate	Art integrated	149 Dehate: Different				# Peer	# Frequent
movementalong a	litintegrated	hetweenchanges in	Uscussing with		# Making of	teaching	assessments and
in overnentaiong a		betweenenanges in					

demand curve and	(Drawing the	quantity demanded	peers to construct	d	liagrams.	(Encourage	feedback for all
shift in demand	Diagrams on	& changes in	learning)			the late	students.
curve.	movement	demand				bloomer to	
	along a			#	Handouts	clarify their	
	demand curve	Audio lesson: https://diksha.gov.in/pl	*Information and	m	naterial for	doubt from	# Creating an inclusive
	and shift in	<u>ay/c</u>	numerical literacy	a	ractice:	the bright	class environment for
	demand curve)	<u>ollection/do 3131034754</u> 279				students as	diverse participation.
		8336011098?contentId=d	(Identify different			per their	
		<u>o 3</u> 1308793234080563213	items having different	1		convenience).	
		<u>149</u>	value of elasticity of	-	•		
#Describe price	Problem	Debate: on types	demand and group	h	ttps://diksha.go		
elasticityof demand.	solving:	of priceelasticity	discussion on	<u>v</u> .	.in/p	# Provide e-	
	Numericals on		elasticity of demand)	la	ay/collection/do	learning	
	degrees of	Video lesson:			<u>3131</u>	material/	
#Identify different	price elasticity	https://diksha.gov.in/play/ collec		<u>0</u>	3475427983360	support	
types ofelasticity of	of demand	<u>tion/do 3131034754279833</u> 6011		1	<u>1098</u>	material.	
demand.		<u>098?contentId=do 31308</u>		2	contontid-do 2		
		<u>793234080563213149</u>		1	20702		
				<u>+</u>	<u>30702</u> 4401688576128		
#Apply the formula				4	4401000370120		
of				<u>-</u>			
		Audio lesson:					
		https://diksha.gov.in/play/					
calculating		tion/do 3131034754279833					
		<u>6011</u> 098?contentId=do_3130879					
Elasticity of Demand		3234080563213149					
for							
things which							
they se around							
them.							

dentify the Peer learning Peer learning (Group asticity of demand nd its different ictors. Peer learning discussion on factors affecting elasticity of demand) Peer learning bright students factorsaffecting elasticity of dem	n hd 2. https://doc gle.co m/documen 1AiigS GroaF_D8JN oC8vq_ m_LczoQzvi PW88E /edit?usp=s g	:S.goo nt/d/ V6AU 'hSjxF
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Comments / Suggestions on Lesson Plan Signature of the Principal

Signature of the Teacher

KENDRIYA VIDYALAYA

Name of the	e Teacher:	Desi	ignation : PGT C	COMMERCE	Sub: A	ccountancy	
Class/Section	on : XI		Topic/Chapter :	Depreciation	No	of periods requ	ired: 22
Specific Learning Outcomes	Pedagogical Strategies	Group Activities/ Experiments/Han ds-on-Learning	Interdisciplinary linkages, infusion of life skills, values etc (21st Century Skills)	Resources (including ICT)	Competency Based Assessment items for measuring the attainment Of Learning Outcomes .	Feedback and Remedial Teaching Plan.	Inclusive Practices/ Gender Sensitivity
Students will	Active	Role-Playing:	Interdisciplinary	Resources	Questioning	Remedial	Inclusive Practices
Explain the	Learning :	Creating a	Linkages	(including	between the session:	Teaching Diam (Diam from	Differentiated
necessity of	Encourage	simulation where	Economics: Explore	ICI) Toythooks	Asking Multiple	Plan/Plan 10F	Instruction: Providing
providing	students to	students take on	how depreciation	and	Choice Questions	difficulties	resources at varying
depreciation.	engage	roles as financial	affects the	Reference	(MCQs) to test	unneutres	levels of complexity to
Churchenster will	actively	managers,	economic decisions	Materials	students	Identify	accommodate diverse
Students will	through	accountants, or	of Dusinesses,	Visual Aids	understanding of key	Learning Gaps:	styles
Develop the	group	auditors. They can	investment	VISUULAIUS	tunes of depreseition	Gathering	styles.
different	and	nake decisions on	management	Online quiz	rypes of depreciation	feedback from	Cooperative Learning:
mothods for	nroblom-	chooso	Mathematics:	Self-made	and formulas	students on their	Encourage
computing	solving	doprociation	Apply mathematical	PPT &		challenges and	collaboration and
depreciation	activities	methods and	concents in	Videos.	Assignment of	areas where	neer learning among
	related to	discuss the impact	calculating	Chalk,	Numerical Problems:	they feel less	students of varving
Students will	real-world	of these choices	depreciation using	Duster &	Providing practical	confident.	abilities in mixed-
Understand	scenarios	on financial	formulas, enhancing	Green Board	problems requiring		ability groups.
the	involving	reports.	numerical literacy.	CBSE PYQs	calculations using	Creating a	fostering peer support
accounting	depreciation.		,	in PDF	different	Supportive	and shared learning
treatment of	Case Studies:	Calculation Relay:	Business Studies :		depreciation	Learning	experiences.
providing	Use of case	Organize a relay	Connect		methods (e.g.,	Environment:	
depreciation	studies to	race where groups	depreciation with		straight-line,	Organising	Scaffolded Learning:
directly to	illustrate the	compete to solve	broader business		diminishing balance)	students into	Breaking down
the	impact of	depreciation	concepts like asset		to assess accuracy	small groups	complex concepts into

concerned	different	calculation	management,	and understanding of	based on their	manageable parts and
asset	depreciation	problems (e.g.,	financial planning,	the calculation	learning needs	provide step-by-step
account.	methods on	straight-line,	and budgeting.	process.	to foster peer	guidance to help all
	financial	diminishing			support.	students build
Students will	statements	balance). Each	Infusion of 21st	Quizzes: Conducting		confidence in their
Understand	and business	member of the	Century Skills	periodic quizzes to	Step-by-Step	understanding of
the	decisions,	group must	Critical Thinking :	reinforce learning	Guidance: Break	concepts and
accounting	allowing	contribute to	Encourage students	and assess retention	down the	calculations of
treatment of	students to	solving a part of	to evaluate the	of key concepts and	calculation	depreciation.
providing	analyse and	the problem.	advantages and	calculations related	process for each	
depreciation	discuss		disadvantages of	to depreciation.	method	
by creating	outcomes.	Creative	different		(straight-line,	
provision for		Presentations :	depreciation		diminishing	
depreciation	Collaborativ	Encourage	methods and their	Solving questions on	balance). Use	
account.	e Learning:	students to create	impacts on financial	Board by students.	examples with	
	Implementin	skits or role plays	statements.		simple numbers	
Students will	g group	demonstrating the	Collaboration:	Class Tests/Slip Tests	initially.	
Appreciate	projects	consequences of	Foster teamwork			
the method	where	poor asset	through group	Brief note on		
of asset	students can	management and	projects and	Reflective practices	Plan for	
disposal	work	depreciation	presentations,		advanced	
through the	together to	decisions in a	promoting	Group	Learners	
concerned	research and	fictional business	communication and	Discussions:Facilitate		
asset	present on	setting.	collaborative	discussions where	Advanced	
account or	various		problem-solving	students share their	Problem	
by preparing	depreciation	Use of BALA:	skills.	reflections and	Solving:	
asset	methods,	Building as	Creativity: Allow	insights on	Providing	
disposal	enhancing	additional source	students to present	depreciation topics,	challenging	
account.	teamwork	of information in	depreciation	fostering	problems that	
	and	respect of	concepts through	collaborative learning	require multi-	
	communicati	charging	creative formats	and diverse	step	
	on skills.	depreciation.	(e.g., infographics,	perspectives.	calculations,	
		Arranging an	videos), encouraging	Peer Feedback :	including	
	Visual Aids:	access to records	innovative thinking.	Encourage students	scenarios with	
	Use of	maintained by	Communication :	to give and receive	varying asset	

charts,	school for hands	Develop oral and	feedback on	lifespans,salvage	
graphs, and	on	written	assignments and	values, purchase	
other visual	learning,helping	communication	projects related to	& sale of	
aids to help	students see the	skills through	depreciation,	multiple assets.	
students	relevance of their	presentations,	allowing them to	Industry Guest	
better	studies.	reports, and	reflect on their	Speakers: Invite	
understand		discussions about	learning processes	professionals	
the concept		depreciation	and outcomes.	from accounting	
of		practices.		firms or	
depreciation		Values and Ethical		corporate	
and its		Considerations		finance to	
effects on		Integrity:Emphasize		discuss real-	
financial		the importance of		world	
statements.		ethical accounting		applications of	
Peer		practices and		depreciation and	
learning:		honesty in reporting		asset	
Encouraging		financial		management.	
students to		information.		Continuous	
learn from		Responsibility: Instil		Assessment: Use	
each other		a sense of		quizzes that	
certain key		responsibility		require	
concepts,		towards asset		application of	
fostering a		management and		knowledge and	
deeper		the implications of		analytical skills	
understandin		financial decisions		rather than rote	
g through		on stakeholders.		memorization.	
peer-to-peer					
interaction.					

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAYA SANGATHAN

LESSON PLAN

General Information

1. Name and Designation of the Teacher: 2. Class & Section: XI 3.Subject: Business Studies. 4.Number of Enrolled Students: 5. Name of the Lesson: Entrepreneurship Development 6.No. of Periods required 03 8.Estimated Time Period from: 7.Date of commencement: 9. Actual Date of Completion: to Specific Pedagogical Individual/group Interdisciplinary **Competency Based** Feedback and Resources Inclusive Practices/ activities/Experiment Linkages and (Including Learning Strategies Assessment Items for Remedial Gender Sensitivity Outcomes for s/Hand-on-Learning Infusion of Life-ICT) measuring the **Teaching Plan** skills, Values Attainment of Learning Experiential learning Outcomes PC with Irrespective of gender / 1. Experientia 1.The project Individual Students can be 1. Viva-voce can be intelligence levels / I learning divided into small work assigned internet guidance and Understan conducted for will cover connection explanation socio-economic status i.e learning groups of 4 or 5 students based on the d the is required business will be given (and including CWSN) concept of by doing a and assigning a Project File prepared to analyse students are grouped studies, to one to one by the group. Entrepren model project work. the accountancy or to few randomly eurship Students will visit project collected and economics for the intended project work selected Developm work by few nearby shops 2. Pen-Paper test can data. like finance. students and for filling the of with be conducted by ent group а Stationery budget etc. regarding the questionnaire 2. Explain students questionnaire and including MCQs for making concept by from the real business people the which can get answers from including Assertionquestionnair 2. 21st Century asking and so be scalable the shop owners Reason questions, characteri e sheets for Skills like that learning will take place giving small and then based on the groups of to the real short-answer stics Critical tasks for them for for situation their survey questions etc. entrepren Thinking. to understand everyone in the group. collecting eurship students will do with Creativity. the concept Students are encouraged to information 3. Able to improveme brain-storming 3. The story of a real Collaboration and listen from the session successful start an nt or to each one's ideas in the and encouraging nearby refining the entrepreneur like Ola enterprise and arrive at a Communication them model shops. by himself idea of the / Swiggy / Paytm can common business while doing whenever project sessions. Posters of herself students idea to start an be given to students brain-storming they give good successful 4. Creating which may followed by questions imaginary session with entrepreneu responses.

<u>Date</u>

enthusias m and inspiration among students to take entrepren eurship as a career choice over employme nt and profession	real business idea which may be covered under Start-up India Scheme.	enterprise.	other students.	Bhavish Aggarwal and Ankit Bhatia, Vijay Shekhar Sharma, Byju Raveendran etc. to show and inspire the students.	 4. Group Discussion can be organized among the different groups of students. 	work-sheets can be prepared with fill-in-the blanks.	
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Signature of the Teacher

VP/HM

Comments/suggestion on Lesson Plan

CLASS XII LESSON PLANS

KENDRIYA VIDYALAYA SANGATHAN LESSON PLAN (CLASS XII)

							Date:
General Information	on:		11.No. of Perio	ds required: ()4		
6. Name and I	Designation of the	e Teacher:	12. Date of Cor	nmencement:			
7 Class Secti	on XII SCIENCE	7	13. Estimated T	Time Period fr	om: to		
		2	14. Actual date	of completion	1:		
8. Subject: EN	IGLISH						
9. Number of	Enrolled Students	5:					
10. Name of the	ne Lesson: Aunt J	ennifer's Tigers					
Specific Learning	Pedagogical	Individual/Group	Interdisciplinary	Resources	Competency	Feedback and	Inclusive Practices/
Outcomes	Strategies for	activities /	Linkages and	(including	Based	Remedial	Gender Sensitivity
	Experiential	experiments / hand-	infusion of Life-	ICT)	Assessment items	Teaching Plan	
	Learning	on-learning	skills, Values		for measuring the		
					attainment		
					Of Learning		
					Outcomes		
\Box To identify the	Introduction to	Role-playing activity	History	Textbook	Write a 500-750	Feedback Plan	Discuss how gender
central themes of	Adrienne Rich	where students act out		"Aunt	word essay		intersects with race, class,
the poem, such as	and the historical	scenes inspired by the	Discussions on Early	Jennifer's	analyzing the	1. Individual	and other identities,
gender roles,	context of	poem.	Feminist Movements	Tigers"	themes of	Feedback	ensuring students
oppression, and	feminist	Writing a personal	(19th Century),	Whiteboard	opprossion and	Sessions	understand that women's
empowerment	literature.	narrative or poem from	Second Wave	and markers			experiences are not
	Discuss the	Aunt Jennifer's	Feminism (1960s-	Art supplies	empowerment in		monolithic.
\Box To analyze the	significance of	perspective or from the	1980s and	(paper,	"Aunt Jennifer's	2. Group	Engage students in
use of literary	women's rights	viewpoint of one of her	Inter=sectionality	markers, etc.)	Tigers."	Feedback	activities that allow them
devices such as	movements.	tigers to encourage	(1980s-Present):	Access to		Discussions	to step into the shoes of
symbolism,	Initial Thoughts:	empathy and deeper		multimedia	Assessment		different characters,
imagery, and tone,	Ask students	understanding of her	* The Evolution of	resources	Criteria: Clear	Remedial	including Aunt Jennifer
discussing how	what they know	struggles.	Women's Rights:	(videos,	thesis statement	Teaching Plan	and her tigers. This can
these contribute to	about gender	Facilitating group		articles on	use of textual		foster empathy and a
the poem's overall	roles and	discussions focused on	* Cultural	feminist	use of textual	1. Identify	deeper understanding of
meaning.	oppression.	specific stanzas or	Perspectives:	literature)	evidence, depth of	Learning Gaps	gender struggles.
	Facilitate a brief	themes. Each group can		Video clips,	analysis, and ability	2 Collaborative	

To examine the	discussion to	analyze a different	* Literature as	art, or music	to connect themes	Learning	Encourage students to
historical and	activate prior	aspect, such as gender	Reflection and	that reflect	to historical and	Activities	critically analyze media
cultural context of	knowledge.	roles or the contrast	Resistance	themes of	cultural contexts.	3 Provide further	representations of gender,
the poem,	Read the poem	between Aunt Jennifer		feminism and		learning	comparing them with the
discussing how it	aloud as a class.	and her tigers, and then		empowermen	2. Creative Project	materials.	themes in "Aunt
reflects societal	Discuss the	present their findings to		t.	Create a visual	Resources:	Jennifer's Tigers." This
attitudes towards	imagery and	the class.				Share	helps develop critical
women during the	language. Ask				representation	supplementary	thinking and media
time it was written.	students to	Organize a debate on			(painting, digital	readings, videos,	literacy.
	underline or	topics related to the			art, collage) that	or online lectures	
\Box To reflect on	highlight key	poem, such as the			reflects the central	that explore	
their own	phrases that	impact of societal			themes of the	teminist	
interpretations of	resonate with	expectations on			poem. Accompany	literature and	
the poem,	tnem.	women's lives			the artwork with a	themes relevant	
Aunt Ionnifor's	Group Analysis:				written explanation	A ftor	
Aunt Jennier S	have students				(250 words) of how	implementing	
resonate with	discuss their				(250 words) or now	remedial	
contemporary	interpretations of					strategies gather	
issues of gender	the noem's				Jennifer's	feedback from	
and identity.	imagery				experience.	students on what	
	particularly the					they found	
□ To engage in	tigers and Aunt				Assessment	helpful and what	
critical discussions	Jennifer's				Criteria: Creativity,	still needs	
about the	needlework.				relevance to the	clarification.	
implications of the	*Creating visual				poem's themes,	Adjust plans	
poem's ending and	representations				clarity of	accordingly.	
what it suggests	of Aunt Jennifer				explanation, and		
about the nature of	and her tigers.				artistic expression		
personal liberation	This could be				in the on pression.		
versus societal	through drawing,				Research		
constraints.	painting, or				Assignment		
	digital art				Assignment		
	^r Identify				Desserb		
	Themes: In				Research a		
	groups, students				significant		
	orainstorm				historical event or		

themes such as:		movement related	
		to women's rights	
Oppression vs.		and write a 400-	
empowerment		600 word report	
The role of art		discussing its	
and creativity		connection to the	
ovpostations		themes in "Aunt	
*literary		Ionnifor's Tigors "	
appreciation of		Jemmer 8 Tigers.	
the poem		Assassment	
dentify students		Assessment	
who may need		Criteria: Quality of	
additional help		research, relevance	
understanding		to the poem, clarity	
the poem or		of writing, and	
themes. Provide		ability to draw	
one-on-one		connections	
support or		between the two.	
additional			
resources, such		Multimedia	
texts or guided		Presentation	
questions			
questions.		Task: Create a	
		multimedia	
		presentation	
		(slides, video, or	
		podcast) that	
		explores the themes	
		of "Aunt Iennifer's	
		Tigers" in relation	
		to contemporary	
		fominist issues	
		ienninst issues.	
		Assessment	
		Assessment	

		Criteria: Creativity,	
		clarity of content,	
		relevance to the	
		poem, and	
		effectiveness of the	
		presentation	
		format.	

Signature of the Teacher Comments/Suggestions on Lesson Plan

Comments/Suggestions on Lesson Plan

Signature of VP/HM

KENDRIYA VIDYALAY SANGATHAN

General Information:				<u>Date:</u>				
1. Name and Designation of the ⁻	Teacher :		6. No. of P	eriods required	:			
2. Class & Section : 12			7. Date of	Commencemen	it :			
3. Subject : Hindi	ubject : Hindi 8. Estimated Time Period from : to							
4. Number of Enrolled Students : 9. Actual date of completion : 5. Name of the Lesson : लक्ष्मण मूर्छा और राम का विलाप								
Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand- on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity	
1. छात्रों में भाई के प्रति	.तुलसी का	व्यक्तिगत	अंतर्विषयक संबंध	• तुल	-मौखिक	-पाठ के	1. छात्रों की	
स्नेह भाव में अभिवृद्धि होगी ।	परिचय	गतिविधियाँ:	1. साहित्य और रक्तिसम्बद्ध	सी का चित्र	प्रश्नीकरण	अध्यापन के उपरांत जिन	विभिन्न पृष्ठभूमियों	
	.आदर्श गायन	1. मातृ शाक म डूबे राम के मनोभावों को	इतिहासः कविती के ऐतिहासिक संदर्भों का	• रामच रितमानस	-लघु उत्तरीय प्रश्न	छात्रों को पाठ को	और अनुभवों को	

2. रामचरित के मार्मिक	. अनुकरण		अपने शब्दों	अध्ययन।	की प्रति	-दक्षता	समझने	पहचानना।
प्रसंग (लक्ष्मण मूर्च्छा) से	गायन		में लिखिए।	2. साहित्य और	• छंद	आधारित प्रश्न	अथवा जिस	2. कविता के
छात्र परिचित हो सकेंगे	.शब्दार्थ	2.	राम क गलाग तनन	दर्शन: कविता में	का एक चार्ट	-कक्षा	चरण एव छंट में	माध्यम से
I	लेखन		में नारियों के	दर्शनशास्त्रीय	• হা <u>জ</u> ্বা	परीक्षण	छे प् कठिनाई	विभिन्न
	זפור		प्रति कैसा	विचारों का	र्थ चार्ट	गाणिक	होगी उनका	संस्कृतिया और रागराणें
3. छात्रों में सहयोग के	.ଏଏ 		सामाजिक	ାବ୍ୟୁଖ୍ୟୁଦ୍ୟା	• यहाँ इस	-माराफ 	पुनः	जार समुदाया को प्रस्तत
भाव बढ़ेगी ।	स्पष्टाकरण		दृष्टिकोण चरित्व च २ व	3. साहित्य और	कविता	पराक्षण	अध्यापन	करना।
छात्र कविता के माध्यम	.छंद परिचय		लाक्षत हुआ -	संस्कृतिः कविता में	ு ரிலா	-कार्य पत्रक	कथ जगगग	्र कानों को
से हिंदी भाषा की	.अभ्यास के	2	ह ? दनगान के	सांस्कृतिक तत्वों	ाशदाण के लिए		जाएगा । यह कार्य	3. छात्रा पग अपनी
व्याकरणिक सरचना को रापनेंगे।	प्रश्नोत्तर	3.	अवतरण से	का अध्ययन।	आईसी		- नए कान उन्हें खेल-	मातृभाषा में
का समञ्चगा	गह कार्य		करुण रस में	4. साहित्य और	टी		कूद अथवा	कविता पढ़ने
छात्र कविता के माध्यम	र्गाट नर्ना		वीर रस का	मनोविज्ञानः कविता में सन्देवैज्युनिन	संसाधन		पुस्तकालय	और लिखने
स अपना रचनात्मकता और कलाना को	.त्तमूरु पपा		संचार कैसे	म मनावज्ञानिक विचार्गे का	हैं:		कालांश में	का अवसर
विकसित करेंगे।	.कविता		हो गया ?	विश्लेषण।	 आनलाइ 		किया	प्रदान करना।
	लेखन	4.	दोहा, चौपाई		न जिटाहाँ		जाएगा ।	विशेष
	कार्यशाला		आर सारठा कंगें की	5. साहित्य आर	म		-भाव का	आवश्यकता
	कविता का		छदा का पहनान	तकनाकः कविता	कविता		पुनः गाषीकत्रण	वाल छात्रा क निग निर्णेष
			बताइए ।	क ।डाजटल रूपा	कोश		रपष्टापगरण,	ונוע ומצוש
			אוועק ו					

नाटकीय	उदाहरण भी	का अध्ययन।	(Kavitakosh) -	महत्त्वपूर्ण	समर्थन प्रदान
प्रस्तुति	दीजिए । —==	21वीं सदी के	हिंदी कविताओं	बिन्दुओं को	करना।
.कविता का	5. यहा इस कविता	कौशल	का	रखााकत कराया	2. छात्रों को
वीडियो	शिक्षण के	1. सृजनात्मकताः	आनलाइन संग्रह।	जाएगा ।	अपनी राय और विचार
निर्माण	लिए समूह	कविता लेखन और	• डिजिटल	इन	व्यक्त करने
.कविता का	गातावाधया, प्रयोग और	प्रस्तुात म सजनात्मकता का	पुस्तक हिंटी	आइसाट। संसाधनों का	का अवसर
संगीत रचना	हाथों-हाथ	विकास।	. १९५१ कविता ई-	उपयोग	देना।ऑनला इन कतिता
. कविता का	सीखने की गविविधियाँ	2. संचार: कविता	बुक्स (Hindi Kavita E-	करके इस कविता के	रं साधनों का
फिल्म निर्माण	नम्रलिखित	के माध्यम से प्रभाती संचार का	Books) - ਵਿੱਟੀ	शिक्षण को	उपयोग करना।
	हैं:	विकास।	कविताओं	अधिक आकर्षक	कतिता लेखन
	समूह	3. समूह कार्य:	का डिजिटल	और प्रभावी	और अभिनय
	गतिविधियाँ	कविता के	पुस्तकें।	बनाया जा	के लिए समूह
	.कविता	अध्ययन में समूह	• वाडिया संसाधन	सकता है। परीक्षा	गातावाधया आयोजित
	लखन समूह		्यूट्यूब	कीदृष्टि से	करना।
	. कविता विश्लेषण समह	4. महत्वपूण ।चतनः कविता के	चैनल (YouTube	महत्वपूर्ण	2. छात्रों को
	** &*		Channels) -	प्रश्ना क	

. कविता प्रस्तुति	विश्लेषण में	हिंदी	उत्तर	कविता के
समूह	महत्वपूर्ण चिंतन	कविता	लिखने और	माध्यम से
. कविता चर्चा समूह	का विकास।	वीडियो।	याद करने	संवाद करने
. कविता नाटकीय	<u> </u>	• आाडया	के लिए	का अवसर
प्रस्तुति समूह	5. ভোজবল	ससाधन	प्रेरित किया	देना।
प्रयोग	साक्षरताः कविता	. पॉडकास्ट	जाएगा ।	
.कविता	के डिजिटल रूपों	(Podcasts) -		
लेखन प्रयोग	का अध्ययन और	ाहदा		
कविता	उपयोग।	कावता पॉ.डका		
विश्लेषण प्रयोग	मूल्य	• मोबाइल		
कविना	1 सांस्कृतिक	ऐप्स		
	ग रार्ट्स् सम्ब	. कविता		
प्रस्तुति प्रयाग	समृाद्धः कापता म	संग्रह ऐप		
. कविता निर्माण	सांस्कृतिक तत्वा	(Kavita		
प्रयोग	का अध्ययन।	Sangran App) - हिंदी		
कविता अनुवाद	2. भाषाई समृद्धिः	कविता		
प्रयोग	कविता में भाषाई	संग्रह ऐप।		
हाथो-हाथ सीखने	विविधता का			
का गातावाधया कविता लेखन	अध्ययन।			
कार्यशाला	3. सामाजिक			

.कविता चित्रण	जिम्मेदारीः कविता		
कार्यशाला	में सामाजिक मुद्दों		
.कविता संगीत	का विश्लेषण।		
रचना कार्यशाला			
.कविता नृत्य	4. नैतिक मूल्य:		
प्रस्तुति कार्यशाला	कविता में नैतिक		
.कविता फिल्म	मूल्यों का विकास।		
निर्माण कार्यशाला	2007		
	५. आत्म-		
गतिविधियाँ	आभव्याक्तः		
कविता पाठ और	कविता में आत्म-		
विश्लेषण	अभिव्यक्ति का		
कविता लेखन और	विकास।		
प्रस्तुति			
.कविता नाटकीय			
प्रस्तुति			
.कविता			
संगीत और नृत्य			
इन गतिविधियों को			
अपनाकर इस			
कविता के शिक्षण			
को अधिक			

आकर्षक और			
प्रभावी बनाया जा			
सकता है			

Comments / Suggestions on Lesson Plan

Signature of the Teacher VP/HM

KENDRIYA VIDYALAY SANGATHAN LESSON

<u>PLAN</u>

General Information:	Date:
1. Name and Designation of the Teacher:	6. No. of Periods required: 18
2. Class & Section: XII	7. Date of Commencement:
3. Subject: Mathematics	8. Estimated Time Period from: to
4. Number of Enrolled Students:	9. Actual date of completion:
5. Name of the Lesson: THREE-DIMENSIONAL GEOMETRY	

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand-on-learning	Interdiscipli nary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
By the end of this lesson, students should be able to: 1. Understand the basic concepts of direction cosines and direction ratios of a line in space. 2. Derive and apply	 1. Introduction: Begin with a quick recap of vector algebra and two- dimensional geometry. Teacher will start the lesson how to write a vector in point form and a point in vector form Teacher can ask the equation of a line passing 	1. Group Task: Students will work in pairs to derive the equations of lines given specific conditions.	 Physics use of vectors. Critical thinking, problem- solving, and spatial awareness. 	Textbooks and reference materials on 3D Geometry. <u>https://ncert</u> <u>.nic.in/exem</u> <u>plar-</u> <u>problems.ph</u> <u>p?ln=en</u>	1. Formative Assessments: Quiz on direction ratios and cosines. <u>https://drive.go</u> ogle.com/file/d/ <u>10eIMATp59Ji</u> eZLIPkf0krELjWJ	Re-teach difficult concepts such as direction ratios and the shortest distance between skew lines using	 Were all students engaged in all activities? Were the questions framed to test students understan ding appropriat

the equation of a line in space using vector and Cartesian forms.

3. Understand the equation of lines in space and the angle lines.

4.Find the shortest distance between two skew lines.

5.Find the equation of a line passing through the point and perpendicular to two lines

6. The foot and image of a point to a line in space.

7.Solve real-life problems using three-dimensional geometry. through a point having slope

Also equation of a line passing through the two points

2. Explanation of Concepts: Explain direction

direction ratios with examples.

Derive the equations of a line in space using vectors and Cartesian forms.

The derivation of equation of line passing through a point and parallel to a vector in both vector and Cartesian form

https://youtu.be/QLLJxc7h0 mw?si=uDn001ftYpoikT7_

3.The equation of a line passing through two points in both vector and Cartesian forms

2. Hands-on



Activity:

Use string or wire models to physically represent the concept of skew lines and their shortest distance.

Refer the lab activity 26 of NCERT lab manual

https://drive.googl e.com/file/d/1sSUjl k3g01oKYoClmtJWg C uWJa5ie7S/view ?usp=sharing

3D geometry visualization softwareNf4gY/view?usp simple esharing.simple examp and mImage of the softwareFind the angle between the lines whose direction cosines are given by the equations: 3/ + m + 5n = 0 and for used questions, MathematicsProvide addition works and or cosines are one tu session cosines are given by the equations: 3/ + m + 5n = 0 and 6mn - 2nl + 5lm e 0.Provide addition works end of com conception smallehttps://cbs eacademic.n ic.in/manua Lhtml (Competenc y focused questions, MathematicsSolve a worksheet on equations of lines in 3D.Works end of com conception simple simple simple simple simple and m studer move Assessment: A written test including problems on finding the shortest distance between skew lines and the angle between them.	er e? bles of iodels. le visual aid and models fo students with learning difficultie Personalit ed attention during group activities to ensure all students understar d d

4. Examples and			
Illustrations: Solve		The Indian acces	
problems related to the		The Indian coast	
shortest distance between		guard, while	
two skew lines, and the		patrolling, saw a	
angle between lines.		suspicious boat	
		with people.	
The derivation of shortest		They were	
between two lines		nowhere	
https://voutu.be/BXzi9mIv		looking like	
		fishermen. The	
		coast guards	
Find the equation a line		were closely	
passing through (1,2,-4) and		observing the	
perpendicular to the lines		movement of	
<i>x</i> 0 <i>x</i> 10 <i>z</i> 10		the boat for an	
$\frac{x-8}{3} = \frac{y+19}{-6} = \frac{z-10}{7}$ and		opportunity to	
$\frac{x-15}{z} = \frac{y-29}{z} = \frac{z-5}{z}$		seize the boat.	
3 8 -5		They observed	
5. Real-Life Applications:		that the boat is	
		moving along a	
The equation of motion of a		planar surface.	
missile are $x = 3i$, $y = -4i$, $z = 1$		At an instant of	
in seconds and the		time, the	
distance is measured in		coordinates of	
kilometers.		the position of	
		the coast guard	
		helicopter and	
		the boat is (1, 3,	
		5) and (2, 5, 3)	
		respectively.	



Based on the above answer the following: If the coast guard decide to shoot the boat at that given instant of time, then what is the distance (in meters) that the bullet has to travel? If the coast guard decides to shoot the boat at that given instant of time, when the speed

		of bullet is	
		36m/sec, then	
		what is the time	
		taken for the	
		bullet to travel	
		and hit the	
		boat?	
		Find the	
		equation of line	
		passing through	
		the positions of	
		the helicopter	
		and boat.	

Signature of the Teacher

VP/HM

Comments / Suggestions on Lesson Plan

KENDRIYA VIDYALAY SANGATHAN

<u>General Information:</u>	Date:		
1. Name and Designation of the Teacher :	6. No. of Periods required : 18		
2. Class & Section : XII-A	7. Date of Commencement :		
3. Subject : PHYSICS	8. Estimated Time Period from :	to	
4. Number of Enrolled Students :	9. Actual date of completion :		
5. Name of the Lesson : CURRENT ELECTRICITY			

	·		· · · ·				
Specific Learning	Pedagogical	Individual/Group	Interdisciplinary	Resources	Competency	Feedback	Inclusive
Outcomes	Strategies for	activities /	Linkages and	(including	Based	and	Practices/ Gender
	Experiential	experiments / hand-	infusion of Life-	ICT)	Assessment	Remedial	Sensitivity
	Learning	on-learning	skills, Values		items for	Teaching	
					measuring the	Plan	
					attainment		
					of Learning		
					Outcomes		
Learner recalls all the	Flipped Classroom	Building Series and	Mathematics:	Textbooks and	Multiple Choice	Identify Gaps:	Differentiated
technical terms	Introduction to	Parallel Circuits:	Trigonometry,	Reference	Question (MCQ)	Analyse	Instruction
defined for Charge,	electric current and		calculus in electric	Books :		assessments	
current, drift velocity	Ohm's Law		current.		Two electric bulbs	for learning	 Use varied teaching
and potential	Experiment	Varification of Ohmula		NCERT Text	of 40W and 100W	difficulties	methods.
difference		verification of Ohm's	Engineering:	book for Class	rated at 200V are	annearces.	Collaborative
	Demonstration:	Law	Applications in	12 Physics,	connected in		Learning
	Perform Ohm's law	Measuring Internal	motors, cells and	Concepts of	series to a power		Encourago group
	experiment in class	Resistance of a Cell	battery.	Physics by H.C.	supply of 350V.		work and neer
	to show the	Resistivity of a		Verma,	Which of the bulb		support.
	dependency of	Wire		Fundamentals			

 ♦ Learners draws circuit diagram correctly and know the correct connection of different component of electric circuit 	current on potentia difference. Discussion : Ask students what they observe and lead them into understanding the concept of resistance	 Kirchhoff's Laws Experiment Temperature Dependence of Resistance Verification and study of: Power Dissipation in Resistors Circuit Simulation with Software Exploring EMF and Terminal Voltage 	 Environmental Science: Green energy (wind turbines, electric vehicles). Technology & Coding: Electric current and cells in backup power supply. 	of Physics by Halliday, Resnick, and Walker • Interactive Simulations. • PhET simulations. <u>https://phet .colorado.e</u> <u>du/sims/ht</u> <u>ml/</u>	will fuse? (a) 40W bulb (b) 100W bulb (c) both bulbs (d) None of them Graph-Based Questions Lab Reports/Practical Assessment Application- Based Questions	• Small Groups: Targeted instruction for struggling students.	 Accessible Resources Provide materials in different formats. Flexible Assessments -Offer diverse assessment options.
♦ Learner have to know and apply Ohm's law and Kirchhoff's laws to find electric current in the circuit.	<u>Wheat-</u> <u> Stone bridge</u> <u> Visualization Tools:</u> Show video animations of the Wheat-Stone bridge in action, highlighting of finding of null point.	Meter-Bridge experiments:	 History: Contributions of sir Simon Ohm, Ampere, Kirchoff. Biology/Medi ine:electric cell and medical applications. 	OLabs Physics Experiments: https://vlab.am rita.edu/index. php?sub=1&bi ch=192∼= 972&cnt=4	Assertion- Reasoning Question Assertion: When 3 identical cells are connected in series the total emf is always equal to 3 times the emf of each cell. Reason: In series combination of	 Visual Aids: Use diagrams and simulations. Hands-On Activities: Engage with experiments. 	3. Scaffolded Learning Break down complex topics. Assistive Technology- Use tools like simulations and screen readers

 ♦ Learner explains various phenomena related to drift velocity, resistivity, mobility, Wheat-Stone bridge and it's applications. 		 hence determine the resistivity (specific resistance) of its material. ◇ To verify the laws of combination (series) of resistances using a metre bridge. ◇ To verify the laws of combination (parallel) of resistances using a metre bridge 	1. Critical Thinking : Solve real-life electric circuit problems. Collabor ation : Group projects (electric cells, electric circuits)	 Animated videos on YouTube Interactive Textbooks & eBooks: Anic.in/pro cess.php?id=& type=eTextbo oks&ln=en 	cells, the net emf is equal to the sum of the emfs of individual cells. Assertion: The resistivity of the heating element of an electric heater should be low compared to the resistivity of connecting wires. Reason: The heat produced in the heating element is inversely	Individual Support: One-on-one tutoring as needed.	 Evaluate lesson effectiveness on key concepts Collect student feedback on difficult topics
♦ Learner	♦ Demonstrat-	Activities:	2. Creativity:	• Modernisati	the resistance	Additional	• Adjust
to understand the concept of Potential difference and current and also the process of finding the unknown current in a	on of Simple Circuits and Interactive Lecture Method	 To assemble the components of a given electrical circuit. To study the 	Design experiments on electric circuits and cells.	on of lab equipments	Question 1. A copper wire of non-uniform area of cross-	Resources: Provide extra materials for	teaching strategies based on student needs • Self Assessment:

loop using KVL and KCL		variation in potential drop with length of a wire for a steady current	 Information Literacy: Research advancements in the current. 		section is connected to a dc battery. The physical quantity which remains constant along the wire is 	practice.	• Error Analysis:
♦ Learner to derives the relationship between electric current and drift velocity, conductivity and mobility and equivalent emf and resistance of cells	 ♦ Analogies and Visual Aids, Hands-on Lab Activity and Incorporate Simulations and Virtual Labs 	To draw the diagram of a given open circuit comprising atleast a battery, resistor/ rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.	 4. Digital Literacy: Use simulation tools to visualize current. 5. Leadership: Encourage team roles in group tasks. 	 Digital Presentatio ns (PowerPoint /Google Slides, Prezi) Assessment Tools (Google Forms/Quizz es) 	2. Two identical cells, each of emf E, having negligible internal resistance, are connected in parallel with each other across an external resistance R. What is the current through the resistance?	Check-Ins : Monitor progress with follow-up assessments	 Conceptual Reflection Peer Feedback and Group Reflection Concept Mapping Problem-Solving Sessions

Comments / Suggestions on Lesson Plan

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:		Date:
1. Name and Designation of the Teacher :	PGT Physics	6. No. of Periods required : 16
2. Class & Section :	XII A	7. Date of Commencement :
3. Subject :		8. Estimated Time Period from :
4. Number of Enrolled Students :	PHYSICS	9. Actual date of completion :
5. Name of the Lesson :	20	

Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/G roup activities / experiments / hand-on- learning	Interdisciplina ry Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices / Gender Sensitivi ty
Derive and apply Biot- Savart law to calculate the magnetic field produced by a circular current- carrying loop and evaluate its significance. Utilize Ampere's circuital law to compute the	Field and Oersted's Experiment Demonstration: Perform Oersted's experiment in class to show the deflection of a compass needle due to a current-carrying wire. Class Discussion: Ask students what they observe and lead them into understanding the concept	and Oersted's Experiment Group demo of compass needle deflection around current- carrying wire. Biot-Savart Law	 Linkages: 5. Mathematics: Vector algebra, calculus in magnetic fields. 6. Engineering: Applications in motors, generators, maglev systems. 	Simulations 1. https://phet.col orado.edu/sims /html/magnets- and- electromagnets /latest/magnets -and- electromagnets _all.html 2. https://javalab. org/en/magne tic_field_aro	A charging station for electric vehicles uses a current-carrying wire that creates a magnetic field around it. Which of the following would increase the strength of the magnetic field generated by the wire? a) Decrease the current flowing through the	 Identify Gaps: Analyse assessments for learning difficulties. Small Groups: Targeted instruction for struggling 	 Ose gender- neutral languag e and example s Promote diverse role models in physics

magnetic field in various	of magnetic fields around a	Group	7. Environment	<u>und a wire</u>	wire.	students.	
symmetrical current	current.	derivation and	al Science:	<u>en/</u>	b) Increase the distance	• Visual Aids:	
distributions and explain		application of	Green energy	3. Charged	the point of	Use diagrams	 Encourag
its application.		Biot-Savart	(wind turbines,	Particle in a Magnetia	observation	and	e
	Riot-Savart Law	Law using wire	vehicles)	Field-	c) Replace the wire with a	simulations.	ivo
		configurations.	8 Technology &	https://ophysi	thicker one while	•Hands-On	learning
	Visualization Tools: Show		Coding:	cs.com/em7.	keeping the current	Activities:	learning
	video animations of the		Electromagnet	html	constant.	Engage with	 Address
	Biot-Savart Law in action,	Amnoro's	ic fields in		d) Increase the current	experiments.	diverse
	highlighting magnetic	Cinquital Law	tech (MRI,	<u>OLabs</u>	wire	• Individual	learning
	fields generated by current	Circuitai Law	drones).		wite.	Support:	styles
	elements.	Diagrammatic	9. History:	• Magnetic Field		One-on-one	
		exploration and	Contributions	Along the Axis	Assertion-Reasoning	tutoring as	• Avoid
Analyse the characteristics	Group Activity: Have	group	Ampere	Coil Carrying	Question	needed	gender-
of solenoids and calculate	students derive the law and	discussion of	Faraday	Current-	Assortion (A), When a	• Additional	dased
the magnetic field strength	apply it to different current	magnetic fields	10. Biology/Med	https://vlab.am	Assertion (A): when a	Posourcos:	grouping
based on current and	configurations in small	in loops	icine: MRI	rita.edu/index.	intoving electric charge	Resources.	• Encourag
number of turns per unit	groups.	in 100ps.	and medical	php?sub=1&br	emers a magnetic neid, it	riovide extra	e
lenoth			applications.	<u>ch=192∼=</u>	experiences a force		questions
iongen.				<u>972&cnt=4</u>	velocity and the magnetic	practice.	and
	Ampara's Circuital I aw				field	• Check-Ins:	normalize
	Ampere S Circuitai Law			Animated	neiu.	Monitor	struggle
	Graphical		Life Skills:	videos on	Reason (R): The magnetic	progress with	with
Apply principles of	Representation : Use	The Solenoid		YouTube	force on a moving charge	follow-up	concepts
oloctric and magnetic	diagrams to visualize		6. Critical		depends on the direction of	assessments	• Duovido
fields to determine the	magnetic fields created by	Building	Thinking:	• Interactive	its velocity relative to the	<u>Plan for</u>	• Provide
neth of charged particles	different current	solenoids with	Solve real-life	Textbooks &	magnetic field.	<u>advanced</u>	e
pain of charged particles	configurations	wire and	electromagneti	eBooks:		<u>Learners:</u>	feedback
in combined fields with	comigurations.	battery,	7 Collaboration	1 // . 1 .1		Challensing	
real-life examples.	Discussion and	measuring	: Group	<u>https://epathsh</u>	Numerical Problem	• Chanenging	• Awarene
	Derivation : Lead the class	magnetic fields.	projects	$\frac{\text{ara.mc.m/proc}}{\text{ess php?id}-\delta t}$		Assignments:	ss of
	in deriving Ampere's Law		(electromagnet	vpe=eTextboo	A hospital uses MRI	Solve	classroom
	with guided questions.		s, motors).	ks&ln=en	(Magnetic Resonance	advanced	dynamics
			8. Creativity:			problems (IIT-	

Describes the path	The Solenoid	Magnetic	Design		Imaging) machines, which	JEE/Olympiad
followed by charged		Force on	experiments		create strong magnetic	level).
particles projected in the	Model Building:	Moving	on	 Modernisation 	fields to align hydrogen	• Research
region under	A ale atudanta ta huild thain	Charges	electromagneti	of lab	nuclei in the body.	Projects:
the combined effect of	Ask students to build then	8	c concepts.	equipments	Suppose the MRI generates	Explore real-
electric and magnetic	own solenoids using wire,	Interactive			a magnetic field of 3.0	world
fields	batteries, and iron cores,	simulation on	9 Information	• Digital	Tesla, and a charged	applications
	and measure the magnetic	particle motion	Literacy:	Presentations	particle with a charge of	(e.g. magnetic
	field strength.	in magnetic	Research	(PowerPoint/	2×10^{-6} C moves at	(e.g., magnetic
	Experiment : Compare the	fields.	advancements	Google Slides,	500 m/s perpendicular to	
	magnetic fields inside and		in the field.	Prezi)	the magnetic field.	Toophing.
	outside the solenoid using				Calculate the magnetic	Teaching: Monton
		Force Botwoon	10 Digital		force experienced by the	
	compasses.	Turo Domollol	IU. Digital	• Assessment	particle.	classmates on
	Magnetic Force on	I wo Faranei	simulation	Tools (Google		difficult
	Moving Charges and	Conductors	tools to	Forms/Quizze		concepts.
Explains the forces	Current-Carrying	Experiment	visualize	s)	Short Answer Question	• Extended
exerted by a pair of	Conductors	with parallel	fields.			Reading:
parallel current-carrying		wires to			1. A long cylindrical	Study from
wires on each other and	Inquiry-Based Learning:	observe			conductor carries a	advanced
defines one ampere of	Pose a question like, "What	attractive and	II. Leadership:		uniform current density.	books
current	happens when a charged	repulsive	team roles in		Use Ampere's circuital	(Feynman
	particle moves in a	forces	group tasks		magnetic field inside	Lectures) and
	magnetic field?" and let	iorces.	group tubits		and outside the	online courses
Evaluate the tensus esting	students brainstorm.				conductor. How is this	(MIT OCW).
Evaluate the torque acting					principle applied in the	 Experimentat
on a current-carrying loop	Interactive Simulations:	Torque on			design of coaxial	ion: Build
in a magnetic field and	Use online simulations to	Current-			cables?	real-world
explain its significance in	show how a magnetic field	Carrying Loop				models using
electric motors.	affects moving charges and	Potating loop			2. A rectangular loop of	Arduino/Rasp
	conductors.	domonstration			wire carrying a current	berry Pi.
					is placed in a uniform	• Interdisciplin
Describes the construction	Hands-On Experiment:	to visualize			magnetic field.	ary Learning:
and working principle of	Use a magnet and a	torque in			Calculate the torque	
moving coil galvanometer	current-carrying wire to	magnetic fields.		acting on the loop. How	Connect	
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and design an experiment	show the force.			is this principle used in	electromagneti	
to convert an MCG into a				the design of electric	sm with	
voltmeter and an ammeter	Motion in Combined			motors?	robotics,	
	Electric and Magnetic				quantum	
	<u>Fields</u>			Long Answer Question	physics, and	
	Problem-Solving : Provide			1 A situ's tram system is	electronics.	
	practice problems where			nowered by electric	 Competitions 	
	students calculate forces			currents running	: Participate in	
	and predict charged particle			through overhead wires.	Physics	
	traiectories.			Engineers want to	Olympiads	
	in a journes.			reduce energy loss	and science	
	<u>Force Between Two</u>			especially in areas	fairs.	
	Parallel Current-	Moving Coil		where the tram makes	<u>Reflective</u>	
	Carrying Conductors	Galvanometer		sharp turns. How	practices:	
				would the engineers		
	Demonstration: Use two	Group		apply Biot-Savart Law	• Evaluate	
	wires with current flowing	construction of		to optimize the tram's	lesson	
	in the same and opposite	a simple		wiring system to	effectiveness	
	directions to show the	galvanometer		especially around	on key	
	attractive and repulsive	and its practical		curves?	concepts	
	forces.	uses.		Derive the equation for	• Collect	
	C D''			magnetic fields created	student	
	Group Discussion:			by current-carrying	feedback on	
	Discuss the mathematical			loop.	difficult topics	
	formula and its			7 Two parallel high-	• Adjust	
	implications for power			voltage power lines	teaching	
	transmission lines.			carry currents in	stratogios	
	Torque en a Current			opposite directions. A	based on	
	Comming Loor			maintenance engineer	otudant read	
	Carrying Loop			needs to ensure that the	student needs	
	Visual Demonstration:			forces between the		
	Use a simple motor or			limits to avoid		
				mints to avoid		

rotating loop to show how		mechanical strain on	
torque acts on a current-		the poles. Explain how	
carrying loop in a magnetic		the force between the	
field.		two parallel power	
		and what steps the	
Simulation: Show an		engineer can take to	
animation of the torque		ensure the forces are	
effect to solidify		safe for operation.	
understanding.			
 The Moving Coil			
<u>Galvanometer</u>			
Interactive Learning:			
Have students construct a			
basic galvanometer with			
wire, magnets, and a			
needle.			
Application Activity:			
Discuss real-world uses of			
galvanometers and ask			
students to explain how it			
works in everyday devices.			

Comments / Suggestions on Lesson Plan Signature of the Teacher

VP/HM

Comments / Suggestions on Lesson Plan Signature of the Principal

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:

Date:

1.	Name and Designation of the Teacher :	6. No. of Periods required : 1
2.	Class & Section : XII	7. Date of Commencement :
3.	Subject : Chemistry	8. Estimated Time Period from : to :
4.	Number of Enrolled Students :	9. Actual date of completion :
5.	Name of the Lesson : Solutions (Topic – Osmotic pressure)	

Specific Learning	Pedagogical Strategies	Individual/Group activities /	Interdisciplinary Linkages and	Resources (including	Competency Based	Feedback and Remedial	Inclusive Practices/ Gender Sensitivity
Outcomes	IOT Experiential	hand-on-learning	skills Values	ICT)	Assessment items for	Plan	
	Learning	hand on rearining	Skills, Values		measuring the	1 Iuli	
					attainment		
					of Learning		
					Outcomes		
Define	Group	Dropping dry	Biology and	Video link	Class test	Oral test and	Audio and video
osmotic	discussion on	raisins in water	chemistry: Water	for activities		Slip tests during	lessons to cater to the
pressure	the		movement from soil		Multiple choice	the class	needs of differently
	phenomenon	Group discussion	to plant roots and	Soft copy of	questions		abled students
Correlates two	of osmosis	on home remedies	subsequently into	study	including	Interaction with	
variables	and its	adopted in our	upper portion of the	material and	Assertion	parents to	MLL questions
	applications	daily life to treat	plants.	previous	reason type and	discuss the	1
Interpret	in daily	edema,		years'	case	progress of child	HOT questions
natural	life	preservation of	Physics and	question	based/source		1
phenomena		food items by	engineering:	papers	based	Self-assessment	Creating diverse
Scientifically	Conducts	salting or				check list	groups where
Realize the	simple	caramelizing etc,	Relationship	Interactive	Online test	Peer review	students support
advantages of	experiments	revival of wilted	between	simulations	using platforms		each other to learn
osmotic	to	flowers,	thermodynamics and	like o lab	like google	Discussion of	from each other

pressure	demonstrate	dropping carrots	biological processes		form	frequently asked	
measurement	osmosis	Solving numerical		Power point		questions	Peer assistance for
method to		problems to	Environmental	presentations	Home		hands on
determine the	Derive	calculate osmotic	science and ecology:		assignments	Additional	experiments
molar mass of	relationship	pressure, molar	Adaptation of plants	Animation		support to solve	
biomolecules	between	mass of solute etc.	in the changing	videos	Quiz	numerical	Design activities
and polymers	osmotic		environmental			problems	varying difficulty
	pressure and	Activity to show	conditions to	Precautionary	Group projects		levels
Solve	concentration	the direction of	maintain water	measures like		Individual	
numerical	of solutions	flow of solvent in	balance.	gloves,		attention,	Equal opportunity
problems	and	the given figures		goggles, lab		providing	provided for all
	temperature	based on	Mathematics:	coat etc		additional	students irrespective
Apply		concentration	Numerical problem			resources (both	of their gender for
scientific	Incorporating	gradient and	solving using			online and	performing
knowledge to	van't Hoff	excess pressure	formula			offline)	activities/projects.
solve	factor in the						Create a safe space
problems	relationship		Medicine and			Effective use of	for all students to
			Pharmacology:			Study materials	express themselves
Explain the	Solve		Treatment of edema,				without fear.
scientific	numerical		dehydration,			Appreciation for	Usage of only gender
principle	problems		Concentration of IV			showing the	neutral language and
involved in the	based on the		Fluid,			progress in their	examples in the class
RO water	formula		Values: Honesty,			performance	
purifiers	derived		objectivity and			and motivation	
			rational thinking			for further	
						improvement.	

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:

<u>Date:</u>

1. Name and Designation of the Teacher :	(PGT BIO) 6. No. of Periods required : 10
2. Class & Section : XII A	7. Date of Commencement :
3. Subject : BIOLOGY	8. Estimated Time Period from : to
4. Number of Enrolled Students :	9. Actual date of completion :
5. Name of the Lesson : BIOTECHNOLOGY AND ITS APPLICATIONS	

Specific Learning	Pedagogical	Individual/Group	Interdisciplina	Resources	Competency	Feedback and	Inclusive
Outcomes	Strategies for	activities /	ry Linkages	(including	Based	Remedial	Practices/
	Experiential	experiments /	and infusion of	ICT)	Assessment	Teaching Plan	Gender
	Learning	hand-on-learning	Life-skills,		items for		Sensitivity
			Values		measuring the		
					attainment of		
					Learning		
					Outcomes		
Learner:	The learners may	Debate-	Interdisciplina	NCERT	Selected	Flow chart	Use multiple
applies scientific	be provided with	Are GMOs an	ry linkage with	Textbook	assessment	representatio	representation
terminology for	opportunities	essential need in		DIKSHA	questions –	n on working	methods –
organisms and	individually or in	agriculture	Bioengineerin	Power	MCQs such as	of Bt Cotton,	Debate, field
processes such as	groups and	sector?	g processing in	Point	Which of the	RNA	visits, article
plasmid; vectors;	encouraged to:	Are GMOs safe to	creating	Presentati	following	interference,	writing- making
genetically	collect and analyze	the society and	genetically	on	explains why	Humulin	sure of the
modified	wide variety of	for ecosystem	modified crops	Videos	production of	formation,	involvement of
organisms (GMO).	information about	balance?	Molecular	(few link	transgenic	gene therapy-	everyone in the
explains	genetically	Are gene therapy	biology in	pasted	plants is easier	Step by step	class in the
efficiently the use	modified organisms	available to every	isolating cry	above)	than	explanation of	above activities.
of relationships in	from newspapers,	category of	genes from	Internet –	production of	the process	
controlling the	magazines or the	Citizens?	Bacillus	https://w	transgenic	Making them	

pests using GMOs	internet.	Article – collect	thuringensis	ww.ars.us	animals?	to write the	
and in	share and discuss	information and	and in forming	<u>da.gov/A</u>	Plants cells can	missing links.	
finding out	their beliefs and	prepare an article	dsRNA for	RSUserFil	grow in cell	Topic wise	
symptoms,	views regarding	on application of	RNA	<u>es/oc/np</u>	culture.	Mind Map	
biochemical	myths, taboos,	GMOs in	interference.	<u>/btcotton</u>	Plant cells have	Topic wise	
processes etc	superstitions, etc.,	agriculture,	Pathology and	/btcotton.	a lower	Mini materials	
using transgenic	by initiating an	medical field and	pharmacology	<u>pdf</u>	number of		
animals.	open-ended	in diagnosis in	in	https://w	potentially		
describes	debate- Are GM	INDIA.	understanding	ww.geno	lethal genes.		
contribution of	food crops	Field visits to	the genetic	me.gov/g	Plant cells are		
researchers all	approved in INDIA?	nearby	makeup of	enetics-	totipotent.		
over the world to	Why and why not?	agricultural	various	<u>glossary/</u>	Production of		
develop	Is it correct to	university to	diseasing	<u>Gene-</u>	mutant plant		
agricultural,	create transgenic	enhance students	causing	<u>Therapy</u>	possess less		
medical sectors.	animals? How	learning	microbes for		ethical		
makes linkages at	rDNA helps in		creating		dilemmas than		
the interface of	medical sector	experience and	vaccines and		the production		
Biology with other	especially in gene	to expose them	medicines.		of mutant		
disciplines by	therapy? Etc.	with new			animals.		
relating various		environments			Constructed		
	appreciate the	and perspectives.	Molecular		response		
interdisciplinary	efforts of scientists		chemistry in		questions such		
concepts such as	made over time-		identifying		as		
recombinant DNA	Vaccine for corona		various		(a) Give a		
technology,	virus.		chemical		reason why,		
bioprocess	Use of animation		compounds		although a		
engineering.	video to aware how		involved in the		toxin, Bt toxins		
draws conclusion	recombinant DNA		processes.		are deadly for		
on the basis of	technology have		Controlling		insects but not		
data collected in	played role in		pests through		for plants		
activities such as	various sectors.		organic		producing		
does GMOs	Eg: "Story of Bt		methods to		them.		
disturb the	Cotton in India" and		maintain		(b) Describe		
ecological	the working		stable		the steps in		
stability?	process of Bt		ecosystem		which Bt toxins		
	cotton.		Increased		act on insects.		
	Suggestive links of		quality				

video: https://www.isaaa. org/Resources/vid eos/btcotton/defau lt.asp https://agbiotech.o regonstate.edu/vid eo/bacillus- thuringiensis-bt	production like golden rice will enhance economy of the country. Exhibits values of honesty, objectivity, rational thinking, decision making, respect for nature by participating in debate from the information collected on GMOs			
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Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

<u>KENDRIYA VIDYALAY SANGATHAN LESSON</u> <u>PLAN</u>

General Information: Date:								
1. Name and Designation	on of the Teacher :			6. No. of Periods required : 15				
2. Class & Section : XII-A	2. Class & Section : XII-A				nencement :			
3. Subject : Computer Science			8. Estimated Tir	ne Period from :	to			
4. Number of Enrolled Students :			9. Actual date of	of completion :				
5. Name of the Lesson	: Function							
Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/ Group activities / experiments / hand-on- learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity	
Basic Concepts	Lecture and Discussion	Define functions	Critical thinking – Math, Management	PPT	Code Review – Correctness,	Feedback of Lesson	Different instructions	
Structure of Function	Mind mapping	Identify and rectify errors	Decision Making – Logical Reasoning	e-Classroom	Efficiency, Modularity	Concept revision	for students with different	
Types of Functions	Experiential learning	Find output of a code	Creativity – Design layout of solution	Worksheet	Quiz - Fundamental understanding.	Individual doubt clear	learning curve	

Exercise and

Sample QP

Assignments

Practical

Comments / Suggestions on Lesson Plan VP/HM

Write programs

using functions

Practical and

Problem Solve

Comments / Suggestions on Lesson Plan Signature of the Principa

Accuracy of Response

Monthly Test – Assess

Performance

Problem Solve

- MLL

Focus on

personal

learning

progress

Signature of the Teacher

Case-based

Differentiated

instructions

learning

Types of Parameters

Scope of Variables

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information: Date: 6. Name and Designation of the Teacher : 10. No. of Periods required : 05 7. Class & Section : XIIB 11. Date of Commencement : 8. Subject : Informatics Practices (IP) 12. Estimated Time Period from : to 9. Number of Enrolled Students : 13. Actual date of completion : to 10. Name of the Lesson : Data Visualization Pedagogical Individual/Group activities / experiments / hand- on-learning Individual/Group activities / experiments / hand- on-learning Interdisciplinary interdisciplinary interdisciplinary visualization Resource (class and infusion of Life-skills, Values) Competency Based A memedial Teaching Plan Inclusive Practices/ Gender Sensitivity Practices/ Gender Sensitivity Plan 1. dentify methods of the birary in hands on recepts- marks will be able to (Liferary in hands on recepts- marks, global methods. Oroup activity (Liferare leventical horizontal arg graph using bar()/bah()) on those on read data set of and regreature over time intray in hands on recepts- more engaging. Interdisciplinary intergrate the topic with science, marks, global methods and regreater the sing any python IDE. I. Learners can on the science on								
6. Name and Designation of the Teacher : 10. No. of Periods required : 05 7. Class & Section : XII B 11. Date of Commencement : 8. Subject : Informatics Practices (IP) 12. Estimated Time Period from : to 9. Number of Enrolled Students : 13. Actual date of completion : to 10. Name of the Lesson : Data Visualization Pedagogical Strategies for Experiments / hand on-learning Individual/Group activities / hand on-learning Interdisciplinary Linkages and instance, completion in Clufe-strategies for Experiments / hand on-learning Resource s of Learning Outcomes Competency Based And Remedial Centers in through discussion functions in through discussion during graph. Interdisciplinary Linkages and instance, completion in through discussion during graph. College and world data set of an arg raph using bar()/bar() (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using bar()/bar() in Linkages influsion of the given collected an erg agagement methods or the collect on of the given collected and engagement methods. Interdisciplinary Linkages influsion and the graph using bar()/bar() (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using bar()/bar() (Dir Contin arg graph using bar()/bar()) (Dir Contin arg graph using the practice of an ard targ arg physion of the given collected and graph sing any python IDE I. Ceantery Scills, DiLE Contin arg (Dir Contin arg graph using an	General Information:				Da	<u>te:</u>		
7. Class & Section : XIIB 11. Date of Commencement : 8. Subject : Informatics Practices (IP) 12. Estimated Time Period from : to 9. Number of Enrolled Students : 13. Actual date of completion : to 10. Name of the Lesson : Data Visualization Pedagogical Strategies for Experiments / hand-on-learning Interdisciplinary Linkages and and experiments / hand-on-learning Resource sing for measuring the data mendic on learning Resource sing for measuring the data mendic on learning Resource sing for measuring the data mendic on learning Resource sing for measuring the data mendic on learning Resource sing for measuring the data mendic on learning Nuclusive Practices / Gender Sing on the learning 1. Clearning Outcomes O Introduce key concepts- Group activity Interdisciplinary likes, influsion of Life-sing for measuring the data set visualization through discussion methods. Inclusive on the leave trice on through discussion of any real world data set visualization through discussion of the given collected on real data set on red data set on rend data set on red data set on re	6. Name and Designation of	the Teacher :		10. No	. of Periods re	equired : 05		
8. Subject : Informatics Practices (IP) 12. Estimated Time Period from : to 9. Number of Enrolled Students : 13. Actual date of completion : 10. Name of the Lesson : Data Visualization 13. Actual date of completion : Specific Learning Outcomes Pedagogical Strategies for Experiential Learning Individual/Group activities / experiments / hand on-learning Interdisciplinary infusion of Life- skills, Values Resource (includin g ICT) Competency Based Assessment items for measuring the attainment of Learning Feedback and Renedial Teaching Plan Inclusive Practices/ Gender Sensitivity 2. caraters will be able to . Identify methods of the ibrary i.e. matplotlib used for loncion ethods. On Introduce key concepts- importance of data visualization through discussion methods. Group activity I. Collection of any real world data set (e.g. Covid 19, social methods. I. PPT inkages, infusion of 2. Python 21st Century Skills, Create line graph using ba(f) function. I. Learners can execute the visualization through discussion of the given collected data using any of the graphs. Per Collection of any real world data set maters, global temperature over time isity function. I. PPT inkages, infusion of 2. Python 21st Century Skills, DLE or any vish science, mathematics, finance, engineering I. Learners can execute the vish science, mathematics, finance, engineering I. Collection of any real world bat set makes the practice or or engaging. MLL vise given collected data using any of the graphs. Interdisciplinary inthe given collected data using any of the graphs. Pe	7. Class & Section : XII B			11. Date of Commencement :				
9. Number of Enrolled Students : 13. Actual date of completion : 10. Name of the Lesson : Data Visualization Specific Learning Outcomes Pedagogical Strategies for Experiential Learning Individual/Group activities / experiments / hand- on-learning Interdisciplinary Linkages and infusion of Life- skills, Values Resource s (includin glCT) Competency Based Assessment items for measuring the attainment of Learning Feedback and Remedial Teaching Inclusive Practices/ Gender examers will be able to . Identify methods of the ibrary i.e. matplolib used for lot() function. Introduce key concepts- importance of data visualization through discussion through discussion through discussion ofter real data set ist() function. Group activity (e.g. Covid 19, social through discussion through discussion through discussion of the given collected on real data set makes the practice on the relevant graph using any python IDE Integrate the topic with science, mathematics, finance, engineering 1. PPT 2. Science vortices that including multiple charts. 1. Learners can execute the written python code for checking matplotlib correct syntax mathematics, finance, engineering 1. Learners can execute the written python code for checking mathematics, finance, enginerering 1. Learners can execute the writ	8. Subject : Informatics Practice	es (IP)		12. Est	imated Time	Period from :	to	
10. Name of the Lesson : Data Visualization Specific Learning Outcomes Pedagogical Strategies for Experiential Learning Individual/Group activities / experiments / hand- on-learning Interdisciplinary Linkages and infusion of Life- skills, Values Resource s (includin glCT) Competency Based Assessment items for measuring the attainment of Learning Feedback an Remedial Teaching Plan Inclusive Practices/ Gender .earners will be able to . Identify methods of the ibrary i.e. matplotlib used for Ottomage. Introduce key concepts- importance of data visualization through discussion methods. Group activity . Collection of any real world data set matics, global temperature over time etc.) Interdisciplinary Linkages, infusion of D. Python any real world data set matics, global temperature over time etc.) I. PPT inkages, infusion of D. Python any real world data set matics, global temperature over time etc.) I. Learners can execute the written python DLE or any python IDE 2. Coding practice based on different types of correct syntax and how to module. • MLL (uestions Peer earning introduce excute the orrect syntax and how to inport correct syntax and how to access functionality from a module.	9. Number of Enrolled Stude		13. Ac	tual date of co	ompletion :			
Specific Learning OutcomesPedagogical Strategies for Experiential LearningIndividual/Group ativities / experiments / hand- on-learningInterdisciplinary Linkages and infusion of Life- skills, ValuesResource s (includin g ICT)Competency Based Assessment items for measuring the attainment of LearningFeedback and Remedial Teaching PlanInclusive Practices/ Gender Sensitivity	10. Name of the Lesson : Data Visualization							
Learners will be able to . Identify methods of the ibrary i.e. matplotlib used for blotting graph. 2. Create line graph using blot() function. 5. Create histogarm using ist() function. 5. Customize the plot by dding title, x-axis, y-axis, gegend etc. Comments / Surgestions on Lesson Plan Comments / Surgestions on Lesson Plan Comments / Surgestions on Lesson Plan	Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand- on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resource s (includin g ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
Comments / Suggestions on Lesson Plan Comments / Suggestions on Lesson Plan	Learners will be able to 1. Identify methods of the library i.e. matplotlib used for plotting graph. 2. Create line graph using plot() function 3. Create vertical/ horizontal bar graph using bar()/barh() function. 4. Create histogarm using hist() function. 5. Customize the plot by adding title, x-axis, y-axis, legend etc.	 Introduce key concepts-importance of data visualization through discussion methods. Use of python library in hands on workshop. Analysis based on real data set makes the practice more engaging. 	Group activity 1. Collection of any real world data set (e.g. Covid 19, social media engagement matrix, global temperature over time etc.) 2. Representation of the given collected data using any of the graphs. 3. Implementation of the relevant graph using any python IDE	Interdisciplinary linkages, infusion of 21st Century Skills, values etc. Integrate the topic with science, mathematics, finance, engineering	1. PPT f2. Python IDLE or any python IDE	 Learners can execute the written python code for checking correctness using any python IDE. Coding practice based on different types of charts including multiple charts. 	 Focusing on how to import matplotlib module Writing practice to understand the correct syntax and how to access functionality from a module. 	 MLL questions HOTS questions Peer learning Inclusive language.
		Comments	/ Suggestions on Lessor	n Plan	Comme	nts / Suggestions on I	Lesson Plan	

KENDRIYA VIDYALAY SANGATHAN

LESSON PLAN

7. Date of Commencement:

8. Estimated Time Period from:

9. Actual date of completion:

General Information:

Date:

6. No. of Periods required: 04

- 1. Name and Designation of the Teacher: ABC, PGT
- 2. Class & Section:
- 3. Subject: HISTORY
- 4. Number of Enrolled Students:
- 5. Name of the Lesson: DANDI MARCH & MAKING OF SALT
- Feedback **Specific** Pedagogical Individual/Gro Interdisciplina Resources Competency Inclusive Learning **Strategies for** up activities / ry Linkages (including ICT) Based and **Practices**/ **Experiential** and infusion Gender Outcomes experiments / Remedial Assessment Learning hand-onof Life-skills. items for Teaching **Sensitivity** measuring the learning Values Plan attainment of Learning Outcomes PREPARE FOR THE Critical Students will 1. Minimum Diverse NCERT Textbook ts will be able to: **SIMULATION of** Hands on thinking-Perspectives: have learning PPT-To understand the Indian activity Students will Introduce Appreciation for material will the nationalist Write on the Indian critically analyse be given to students movement in board: "1930, nationalist from the various National Congress. to historical https://drive.goo chronological "Our class is now India, How to perspectives movement and gle.com/file/d/1d sources the order correlate going reenact a make regarding Dandi from a variety Mahatma children. V frN5XrAmGFp the significant meeting of the March. of cultural, 2.Providing V9hsD3ov4elements of the Indian National Salt". Say to the Gandhi's non-Communication graded social, and rNIVsmlg/view?u

nationalist	Congress in 1930.	class:	violence	sp=sharing	-Students will	worksheet	economic
movement and	The Indian		method, and it	Videos link-	present thereby	for map	backgrounds.
the nature of	National Congress	"I want you to	will also	https://www.vo	learn clarity of	work and	Including
ideas, individuals,	was made up of	imagine that	enhance	utube.com/watc	speech, how to	Picture	marginalized
and institutions	Indians from	it is the year	leadership	h?v=G1 Dm17iR	use and	demonstrati	voices, such as
under the	diverse ethnic,	1930, and we	qualities among		synthesize	on of the	those of
Gandhian	religious, and	are in India.	them	<u></u>	information)	chapter.	women,
leadership	language groups	During this			about the	3. Source	indigenous
	throughout India,	time, 1930,		Bullet notes	effectiveness of	based	groups, and
	and it was led by	salt was very			Mahatma	questions of	other
To Debate on the	Mahatma	important for			Gandhi's non-	the chanter	other
significant		Indian			violent	4 Sample	
contributions of	Gandhi. The goal of	cooking. So,			campaign to	naners hy	underrenresent
Gandhi to	the Indian National	let's learn			achieve	CRSE	od
understand his	Congress is to	about salt.			Indopondonco	5 focus on	communities
mass appeal for	make India free	Salt is very			from the British	5. IOCUS OII	gives students a
nationalism.	and independent	important to			Francisco	peer group	fuller
	from England.	everyone in			Empire.	study of	Tuller
	Today our class is	India,					understanding
	going re-enact a	whether rich,					of history.
To Explore the	meeting of the	or poor,			Collaboration –	given	Multisensory
ways of	Indian National				Students will be	topics.	Learning: Use
interpreting	Congress. During	Muslim or			divided in Small		visual aids,
historical source	this meeting we are	Hindu,			groups to		artifacts, maps,
such as	going to try figure	everyone uses			discuss and		videos, and
hiographies and	out a way to get rid	salt. Does			solve problem		even
auto- hiographies	of the Salt Tax law,	anyone know			related to the		storytelling to
diaries and letters	and hopefully find	how salt is			topic		make historical
	a way to make	made? (Let			Creativity -		
	India free."	students			Students could		
	Divide the class into 6	guess). Today			participate in		concepts
	student teams.	I am going to			role-playing		accessible to
	Hand out the	show you			exercises where		students
	"Character Role	how was salt			they enact key		
	Sheet for the Indian	made in India.			events from		with different
	National Congress."	But first,			Gandhi's life,		learning styles.
	Tell students that	remind me,					0.000,000

for our class	what year is		like the Salt	This approach
simulation they	it? That's		March or his	also helps in
will no longer be	right 1930.		meetings	retaining
themselves,	And where			complex
instead, they	are we? India!		with other	information.
become a new	For this		leaders.	Encouraging
	activity I need		Citizenship -	Critical
character: one	а		Gandhi led	Thinking:
which I will assign			movements like	Challenge
to them. Assign			the Non-	students
Character Roles to	volunteer"		Cooperation	
each member of	(Make this		Movement the	to analyse
the team. Post the			Salt March and	historical
following question:	following		the Quit India	sources
"You are members	activity seem		Movement all	critically
of the Indian	like a cooking		of which	considering
National Congress.	show on the		involved mass	who wrote
Describe from your	food		narticipation	thom thoir
character's point of	network/ pre-		and civil	contoxt and
view what the	heat the		dischadionea	context, and
Indian National	water so that		Disobedience.	any blases they
Congress should do	is at a warm		By studying	may contain.
	to begin with)		these .	inis neips
to fight against the	Give		movements,	students
England's Salt Tax	directions to		students see the	develop a
and other	the volunteer		power of	balanced view
humiliating laws	and LET THE		collective action	of history and
like it? Give	VOLUNTEER		and	encourages
suitable arguments	MAKE THE			
in support of your	SALI			
answer. *Keep in	How to make		the impact that	indepen
mina Ganani S	salt You take		citizens	dent thought.
Ideas about non-	sand from the			
"Sotupgrobo" as	booch and		can have when	
Satyagrana, as	beach and		they come	
well as other			together for a	
methous that	seawater, and			

revolutionaries had	then		cause,	
espoused.			motivating them	
Compare and	you remove the		to engage	
synthesize out of	sand and let		actively in	
two given	the salty		societal issues.	
methods to deal	water			
with Britishers,	evaporate			
which one is more	into salt. Do			
suitable for India,	this in class			
a country which	by bringing a			
stands for	hot plate, a			
tolerance—recall	glass plate,			
Asoka's policy of	sand that is			
Dhamma &	pre-mixed			
Akbar's policy of	with table			
Sulhe-kul	salt.			

Signature of the Teacher

VP

Comments / Suggestions on Lesson Plan

KVS, ZONAL INSTITUTE OF EDUCATION AND TRAINING MYSORE LESSON PLAN

	General Informati	ion:				Date	:	
1	Name and Designa	tion of the Teacher:			6. N	o. of Periods requir	ed: 15	
2	. Class & Section: XII				7. D	ate of Commencem	ent:	
3	. Subject: Geography	,			8. Es	timated Time Perio	od from:	to
4	. Number of Enrolle	d Students:			9. A	ctual date of compl	etion:	
5	. Name of the Lesso	n : TRANSPORT AN	D COMMUNICATIO	N				
	Specific Learning	Pedagogical	Individual/Grou	Interdisciplinary	Resources	Competency	Feedback and	Inclusive Practices/
	Outcomes	Strategies for	p activities /	Linkages and	(including	Based	Remedial	Gender Sensitivity
		Experiential	experiments /	infusion of Life-	ICT)	Assessment	Teaching	
	(At the end of the	Learning	hand-on-learning	skills, Values		items for	Plan	
	chapter students are					measuring the		
	able to)					attainment		
						of Learning		
						Outcomes		
	Acquire knowledge	.Explain cause and	1. Students can be	• Historical	Textbooks:	1. Geographical	 Identify 	Inclusive Practices:
	about	effect	asked to do a survey	Evolution:	1. NCERT	understanding:	Learning Gaps:	
	various modes of	relationship on	of their class about	Connect	Geography	Familiarity with	Use quizzes,	1. Use diverse example
	transport in	human	the means of	Geography and	textbook	basic geographical	assignments, and	and case studies that
	different continents.	environment	transport being used	History by	"Fundamentals	concepts,	class participation	reflect various regions,
		interaction such	by students to reach	exploring how	of Human	terminologies, and	to pinpoint	cultures, and
	Compare and	as population	school.	physical landscapes	Geography"	theories.	specific areas	communities.
	synthesize the	distribution,		and historical trade	(Chapter 7:		where students	2. Incorporate
	information about	migration, cropping	2. Prepare a Bar	routes (like the Silk	Transport,	2. Spatial	struggle.	perspectives and
	major transport	patterns,	diagram with the	Road) influenced	Communicatio	analysis: Ability		experiences of
	routes around the	transportation &	help of the data	transport	n, and Trade)	to analyze and	 Provide 	marginalized groups,
	globe.	communication,	collected.	development.		interpret spatial	Targeted	such as indigenous
		trade, etc.			2. NCERT	data, including	Feedback: Offer	peoples, women, and
	Understand the	2. Case studies: Use	3. Analyze the	• Economic	Geography	maps, graphs, and	clear,	minorities.

development	real-world	connection	Impact: Link	textbook	charts.	constructive	3. Use gender-neutral
of communication	examples to	between physical	Geography and	"People and		feedback on	language and avoid
networks and	illustrate concepts	landscape and	Economics by	Economy	3. Critical	strengths and	gender stereotypes.
their impact on the	and encourage	development of	examining how	India"	thinking: Capacity	areas for	4. Encourage
modern	critical thinking.	various modes of	transport and	(Chapter 7:	to evaluate	improvement,	participation and
world.	3. Fieldwork and	transport.	communication	Transport,	information,	focusing on the	contributions from all
	field trips: Conduct		systems boost	Communicatio	identify patterns,	identified gaps.	students, regardless of
	practical exercises	4. Mark and label	trade, economic	n, and Trade)	and make logical		gender, ability, or
	and field visits to	the terminal stations	growth, and market		connections.	• Design	background.
	transportation hubs,	of Trans-Siberian	connectivity.	Online		Remedial	5. Use accessible
	communication	Railway, Trans		Resources:	4. Problem-	Activities: Create	language and materials
	networks, and	Canadian Railway	• Environmental	1. National	solving: Skill to	tailored activities	that are inclusive of
	related	and Trans Australia	Sustainability:	Council of	apply	(e.g., worksheets,	different learning needs
	infrastructure.	Railway on an	Combine	Educational	geographical	discussions, or	6. Address power
	4. Group	outline world map.	Geography and	Research and	concepts to real-	small group	dynamics and privilege
	discussions and		Environmental	Training	world problems	work) to reinforce	in the classroom and in
	debates: Encourage	5.Draw a sketch	Studies to discuss	(NCERT)	and scenarios.	challenging	geographical contexts.
	collaborative	map of Suez Canal,	the environmental	website:		concepts.	7. Foster a safe and
	learning and critical	Panama Canal, St	effects of	ncert.nic.in	5. Communication	L	respectful learning
	thinking through	Lawrence Sea ways	transportation and		skills: Ability to	 Monitor 	environment that
	group activities.	and Rhine	the need for	2. Central	effectively	Progress:	promotes empathy and
	5. Role-playing and	Waterways, and	sustainable	Board of	communicate	Regularly assess	understanding
	simulations: Use	mark them on an	alternatives like	Secondary	geographical ideas	students through	
	interactive methods	outline map of the	electric vehicles	Education	and concepts	short tests or	Gender Sensitivity:
	to demonstrate	world.	and public transit.	(CBSE)	through written	interactive	1. Avoid gendered
	transportation and			website:	and oral	sessions to check	assumptions and
	communication	6.On an outline map		cbse.nic.in	presentations.	understanding	stereotypes in teaching
	systems.	of the world mark		Power point		and improvement.	and materials.
	6. Use of	and label the		presentations	6. Data		
	technology and	following major		done by the	interpretation:	• Encourage	2. Use gender-neutral
	multimedia	airports of each		teachers of	Proficiency in	Peer Support:	terms and avoid binary
	resources:	continent:		KVS	interpreting and	Pair students for	gender classifications.
	Incorporate digital			Notes and	analyzing data	peer tutoring to	
	tools, videos, and	a.Asia: Tokyo,		Study	related to	reinforce learning	3. Incorporate gender
	interactive maps to	Beijing, Mumbai,		Materials:	transport and	and boost	analysis and
	enhance learning.	Jeddah, Aden		Done by the	communication	confidence.	perspectives in
	7. Problem-solving			teachers of	trade.		geographical concepts

exercises: Provide	b.Africa:	KVS from		 Adapt 	and case studies.
students with real-	Johannesburg &	various	7. Map reading	Teaching	
world scenarios to	Nairobi	regions and	and analysis:	Methods: Use	4. Address gender-
apply geographical		ZIET, study	Ability to read	varied	based inequalities and
concepts and	c. Europe: Moscow,	materials from	and analyze maps,	instructional	discrimination in
develop solutions.	London, Paris,	cbseguide.com	including	strategies (visual	geographical contexts.
8. Guest lectures	Berlin and Rome	learncbse	identifying	aids, practical	
and expert talks:		learninsta etc.	transport routes,	examples) to	5. Promote gender
Invite industry	d. North America:	Atlas	communication	address different	equality and
experts to share	Chicago, New		networks, and	learning styles.	empowerment in the
practical insights	Orleans, Mexico	Practice	related		classroom and beyond.
and experiences.	City	Questions and	infrastructure.		
9. Project-based		Test Papers:			6. Use inclusive visuals
learning: Assign	e. South America:		8. Case study		and images that reflect
students to work on	BuenosAires,	1. NCERT	analysis: Capacity		diverse genders and
projects that	Santiago	Geography	to analyze and		identities.
integrate		practice	interpret case		
geographical	f. Australia: Darwin	questions	studies related to		7. Encourage critical
concepts with	and	(ncert.nic.in)	transport and		thinking about gender
transport and	Wellington		communication		and geography and their
communication		2. CBSE	trade.		intersections.
trade.		Geography			
10. Map analysis		practice	9. Research skills:		
and spatial		questions	Ability to conduct		
thinking: Develop		(cbse.nic.in)	research and		
students' spatial			gather information		
thinking and map			from various		
analysis skills			sources.		
through practical					
exercises.			10. Collaboration		
11. Formative			and teamwork:		
assessments and			Willingness to		
feedback: Regularly			work		
assess student			collaboratively		
progress and			and engage in		
provide			group discussions		
constructive			and activitie		

feedback to			
enhance learning.			
12.			
Interdisciplinary			
connections:			
Connect			
geographical			
concepts to other			
subjects, such as			
economics, politics,			
and environmental			
studies.			
13. Real-world			
applications and			
examples: Use			
everyday examples			
to illustrate			
geographical			
concepts and make			
learning relevant.			

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAY SANGATHAN LESSON PLAN

General Information:

Date:

6. Name and D	esignation of the Tea	acher: PGT-ECONC	MICS	10.	No. of Periods r	equired: 17	
7. Class & Sect	ion: XII			11.	Date of Comme	ncement:	
8. Subject: ECC	NOMICS			12.	Estimated Time	Period from:	to
9. Number of E	Enrolled Students:			13.	Actual date of c	ompletion:	
10. Name o	f the Lesson : GOVER	NMENT BUDGET AND	ECONOMY				
Specific Learning Outcomes	Pedagogical Strategies for Experiential Learning	Individual/Group activities / experiments / hand-on-learning	Interdisciplinary Linkages and infusion of Life- skills, Values	Resources (including ICT)	Competency Based Assessment items for measuring the attainment of Learning Outcomes	Feedback and Remedial Teaching Plan	Inclusive Practices/ Gender Sensitivity
Define	#Art integrated	#Encourage students to	#Creating Cross-	#PPT to show	#Allow the	#5 minutes for	#Use of visual aids (charts,
Government	learning *	actively engage with the	Curricular Linkages i.e.	art integration	students to ask	doubts clearing	graphs) and real-life
Budget.	(Drawing of charts of types of	material through:	*Mathematical data handling and interpretation can be	on government budget.	their doubt during period and clarification	at the end of each period.	examples.
	budgets and on	*Discussions, Debates	effectively applied while		time.	40 Harrish	#Differentiated instruction
	components of Budget).	Group work.	teaching this topic. *Language skills can be	#video /photos of government budget.		#Allow the students to ask their doubt	methods

#Describe the		#Hands-on activities.	developed while		#Peer teaching	during period	
important objectives of government budget.	*creating a cartoon of comic strip that illustrates a budget- related concept, (such as taxation, government spending, or fiscal policy.)	r Like preparing budget of various events organized in school i.e. Teachers day celebration, annual day celebration, source of income and expenditure of school.	discussions, debates etc. <u>#Life skills</u> this chapter focused on the development of	#Flow charts on different components of budget. #NCERT text book	(Encourage the late bloomer to clarify their doubt from the bright students as per their convenience).	and clarification at the same time. #Peer teaching (Encourage the late bloomer to clarify them	#Group discussions and collaborative learning activities. #Simplified language and definitions for complex terms.
#Different components of government budget.		*Estimate the budget Of student annual expenditure and various income sources etc.	following life skills of the students: *Flexibility *Leadership *Initiative *Productivity and *Self-awareness. <u>21st Century Skills</u>	#News Papers #Budget Speeches #Economic	#HOT/Challengin g questions for practice. #MCQ type question.	from the bright students as per their convenience). #Provide e- learning material/support	#Use of case studies related to government budgets. #Assistive technology and learning aids for students with special needs. #Real-life application

#Define different types of government budget. (budget deficits)		#Critical and creative thinking. (Drawing, poster making on government budget and its components).	Survey #Union Budget (www.indiabudg et.gov.in)	#Slip test #Quiz	material. #Provide Practice material for self-learning	projects, like creating mini- budgets. #Frequent assessments and feedback for all students.
#Describe		#Communication. (Group discussion on government budget).		#Oral Questions during discussion. (Assessment for Learning)		#Creating an inclusive class environment for diverse participation.
different types of budget deficit.		#Collaboration (Discussing with peers to construct learning). #Literacy Skills such as Information literacy, Media Literacy and Technology Literacy.		#Home assignment (Assessment of Learning)		#Encouraging critical thinking about the social impacts of the budget.

Comments / Suggestions on Lesson Plan

Signature of the Teacher

VP/HM

KENDRIYA VIDYALAYA LESSON PLAN

NAME OF THE TEACHER:

DESIGNATION: **PGT-Commerce**

SUBJECT: Accountancy

CLASS: XII Commerce

TOPIC/CHAPTER: Cash Flow Statement

No. of periods required: 20

Specific	Pedagogical	Group	Interdisciplinary	Resources	Competency Based	Feedback and	Inclusive Practices/
Learning	Strategies	Activities/	linkages,	(including	Assessment items	Remedial	Gender Sensitivity
Outcomes		Experiments/	infusion of life	ICT)	for measuring the	Teaching Plan	
		Hands-on-	skills, values etc		attainment		
		Learning	(21st Century Skills)		Of Learning Outcomes		
Students will	Inquiry based		Interdisciplinary	• Self-	Question-Answer	Feedback:	*Peer learning
state the	learning-	Simulated	Linkages	made	Session: it will include	• Oral Ouiz	i eer ieurining
meaning of	Encourage	Activities:	Economics:	YouT	Competency based	in class	*Sensitisation with
cash flow	students to ask	Engaging	students will	ube	Ouestions in form of	Solving	the complexities of
statement.	more and more	students in	relate it with	Video	MCOs, Case based	Numerical	subject
	questions to	simulations	circular flow of	for	Questions, application	Problems	5
Student will	generate interest	where	income.	introd	based Questions, High	on Board	*Writing legibly and
understand	and answer all	students can	Business	uction	Order Thinking	by students	with bold letters on
the objectives	those questions	manage the	Studies: students	https://youtu.	Questions as well as	• Slip Test	board
of preparing	to quench their	finances of	will relate it to	<u>be/-</u>	Minimum Learning	1	
cash flow	curiosity.	their family	financial	jjAwwDqRh	Level Questions	Remedial	*Speaking loudly
statement.		including	management.	k?si=xU4Edo		Teaching Plan:	and with clarity
	Integrative	preparation	Entrepreneurshi	0JsnBg9qgd	Home Assignment: it	Individual	
Students will	learning- Put	and analysis	p: students will	• Self-	will include making	Counsellin	*Proper eye contact
differentiate	efforts to	of cash flow	relate it with	made	notes of theoretical	g	
among	connect the	statement.	resource	PPT	concepts and giving a	Encourage	*Special focus on
operating,	contents with		mobilization.	Chalk	few numerical problems	ment to	the contents being
investing and	what they	Role Play:	Mathematics:	,	from simple to complex	Initiate	noted
financing	already know	Students may	students will	Duste	calculation for practice	• Use of	
activities.	and understand	be given the	relate it with	r &	at home to be followed	Inductive	
Gan Jan Ann 11	better even in	different roles	linear	Green	by doubt solving session	Method	
Students will	other subjects.	such as	programming.	Board	next day.	Identificati	
get trained		Innance	infusion of 21	• Textb		on of	

in	Collaborative	manager,	Century Skills		ook &	Chapter end Written	Learning	
preparation	learning- Try	production	(Life Skills)		Refer	Test: it will include	Gaps	
of cash flow	to involve	manager, and	Problem		ence	questions as per the	• Re-	
statement	students in a	general	Solving: students		Book	CBSE pattern; 1 marker	explanation	
incorporating	group to give	manager of a	will develop	•	CBSE	(2 MCQs), 3 marker (1	 Solving of 	
adjustments,	example and	particular	problem-solving		PYQs	VSA), 4 marker (1 SA)	Worksheets	
as per AS-3	also provide	company and	skills.		in	and 6 marker (1 LA),	from	
(revised)	them	asked to	Financial		PDF	Total 15 Marks with	simple to	
using Indirect	opportunity to	comment on	Literacy:	•	Self-	time limit of 40 Mints to	complex	
Method.	work together.	its cash flow	students will		made	accelerate their speed	• Re-	
		statement.	know about		YouT	and accommodate them	diagnosis	
	Reflective		investment &		ube	with CBSE pattern.	followed	
	learning- Make	Real life	finance		Video		by requisite	
	students add	Activities:	opportunities.		s of	Discussion on Written	explanation	
	something to	Students may	Emotional		Nume	Test: it will include	Rigorous Practice	
	what has been	be given a	Intelligence:		rical	solution to all questions	again and again	
	taught and ask	task of	students will		Probl	and explanation of their	including PYQs of	
	them where	preparing	experience how		ems	doubts followed by	CBSE	
	they may apply	their own cash	inflows may be		for	rewriting the answers or		
	it.	flow	increased.		repetit	solving the numerical		
		statement on a	(Values)		ion	problems which were		
	Constructivist	week basis	Equity: students		purpo	earlier wrong.		
	learning-	assuming the	will relate it with		se			
	Ensure what the	three main	subtracting an	https://	/youtu.			
	students have	activities as	item from a place	be/Yg	<u>S6_WT</u>			
	understood and	Learning	but adding it to	JoC4?	<u>si=zU</u>			
	how they have	Activities,	another place.	KspIF	<u>Z3x3T</u>			
	perceived the	Fun Activities	Justice: students	<u>651j</u>				
	contents taught.	and Saving	will connect it	https://	/youtu.			
		Activities	with	be/ZSz	<u>x0VVI</u>			
		where inflows	consideration of	Zh8k?	<u>si=iA</u>			
		will be their	all activities of	MDBO	<u>DCZ</u>			
		pocket money	business for the	Ckd5c	<u>SP</u>			
		or money	increase or	https://	/youtu.			
		received from	decrease in cash	be/SL	YSGBq			
		their relatives.	& cash	5Ucg?	si=y-			
			equivalents.	gBQQ	WSn9			

		<u>ykE4MO</u>		

Signature of the Teacher

VP/HM

Comments / Suggestions on Lesson Plan

KENDRIYA VIDYALAYA SANGATHAN

LESSON PLAN

General Information

<u>Date</u>

1.Name and	Designation of	the Teacher:			2. Class & Section: XII	3.Subject: Busin	ess Studies	
4.Number of	4.Number of Enrolled Students: 5. Name of the Lesson: Financial Leverage 6.No. of Periods required 01							
7.Date of co	mmencement:	8.6	Estimated Time Period from:		to	9.Actual Date of Completion:		
Specific	Pedagogical	Individual/group	Interdisciplinary	Resources	Competency Based	Feedback and	Inclusive Practices/	
Learning	Strategies	activities/Experiments	Linkages and	(Including	Assessment Items for	Remedial	Gender Sensitivity	
Outcomes	for	/Hand-on-Learning	Infusion of Life-	ICT)	measuring the Attainment of	Teaching Plan	,	
	Experiential		skills, Values		Learning Outcomes			
	learning				<u> </u>			
After the	1.Promoting	Teacher will give	Teacher provides	NCERT text	1. Conducting class tests/oral	1. After the topic		
topic/conc	active	hypothetical data and	related links about	book,	tests/monthly tests after the	is taught, the	1.Class room seating	
ept has	learning by	he will solve the	the topic and	/Black	topic.	teacher tries to get	arrangement	
<u>been</u>	involving all	question by involving	He/she also	board, /	Giving	the feedback so as	2.Flexibility in bringing	
<u>taught,</u>	students in	the learners in solving	suggest reference	Projector,	2.practical/project work on	to know the fact if	note	
Learners	teaching-	the question	books if any for	/Internet/P	the topic	any student (s)	books notebooks	
are	learning	And Learners will	more	PT/resourc	Concept mapping	faced any	3.Flexibility in doing	
expected	process	follow the activity.	understanding	e	3.Observing and	difficulty of not	and	
<u>to receive,</u>	(Experientia	Total funds 30		e material/C	identification of topics	understood or	submitting class work	
understand	<u>l learning)</u>	used Lac		BSF	4. Interview schedule and	confusion.	and	
<u>, learn and</u>	2.	Rate of 10%		question	case studies.	2. In this process	home work	
able	Connecting	Interest p.a		naners/Cas	5.Group discussion	the teacher	4 Accessibility of note	
<u>demonstra</u>	the topic	Tax rate 30%		papers/cas	Home assignment	identifies those	hooks	
te:	with outside	EBIT 4Lac		e studies	Total funds 40 Lac	students by	and text books from	
1.Use of	class room	Share 10/		ell.	used	means of asking	the	
debt	experience	value each			Rate of 9% p.a	simple	library	
capital in	with suitable	DEBT			Interest	questions/class	F Availability co	
the capital	examples.	Situation-I NIL			Tax rate 30%	tests/monthly	S.Availability CO	
	3. Focusing				1 ux 1 utc 5070		student	

structure.	on	Situa	ation-	10) lac		Share value	100/ each	tests/ group	help whenever
2. Use of	reflections	II					EBIT	8Lac	discussion as the	necessary
debt	on the	Situa	ation-	20)		DEBT		case may be as	,
capital	topic.	III		L	ac		Situation-I	NIL	, teacher felt	
and its	4. Following	EBIT	-EPS				Situation-II	10 lac	suitable.	
impact on	the principle	ANA	LYSI	S			Situation-III	30 Lac	3. On the basis of	
earnings	of inclusive	par	Sit	Sit	Sit		Ans-EPS-		analysis, the	
per share	teaching.	tic	uat	uat	uat		situation-I14/	r	teacher identifies	
3.Use of	5. Creating	ula	ion	ion	ion		Situation-III 37.10	<u>.</u>	the areas that the	
debt	conclusive	rs	-I	-II	-				student (s) not	
capital	class room		10	10					understands.	
and saving	environmen	EB	40	40	40				4.After that the	
of tax	t.	11	00	00	00				teacher prepare	
(reduction	6.Attending	Int	NI	10	20				remedial action	
in overall	individual	IIIt	INI	10	20				plan which may be	
tax	differences.	st		00	00				re teaching the	
liability)		EB	40	30	20				identified areas	
4.Relation		T	00	00	00				with some	
between			00	00	00				different	
Interest		Le	12	90	60				pedagogy that the	
on debt		ss-	00	00	00				teacher felt	
capital		Та	00	0	0				suitable and best	
and ROI.		х							to make them	
5.Underst		EA	28	21	14				learn.	
and that		Т	00	00	00				After re-teaching	
increase in			00	00	00				the teacher may	
financial		No	30	20	10				go for retesting	
leverage		. of	00	00	00				the learners and	
increases		sha	00	00	00				ensure that they	
EPS		res							can demonstrate	
									the learning	
		10							experiences in the	

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Signature of the Teacher

Comments/suggestion on Lesson Plan VP/HM Comments/suggestion on Lesson Plan Signature of the Principal