ANNUAL PEDAGOGY PLAN

English   CLASS: X

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
APRIL	1. A letter to God 2. Dust of snow (poem) 3. Fire and Ice 4. A triumph of Surgery(reader)	See Chapter 1- A Letter to God on DIKSHA at https://diksha.gov.in/play/content/do_3129911277566525441242?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3129911277566525441242%26utm_campaign%3Dshare_content Get DIKSHA app from: https://play.google.com/store/apps/details?id=in.gov.diksha.app&referrer=utm_source%3D7b3804e83e69a1a7d27b3a14d77bb91d91225d7e%26utm_campaign%3Dshare_app writingskills story telling	plan,organise and present ideas coherently by introducing developing and concluding topic	18
JUNE	1. Nelson Mandella 2. A tiger in the zoo(poem) 3. The thiefs Story(reader)	https://diksha.gov.in/play/collection/do_31307360985935052811986?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360985935052811986%26utm_campaign%3Dshare_content&contentId=do_312795699636486144111561 Recitation technique Question Answer Technique Explanation	Analyse the effects of apartheidin South Africa. Accumulate information on Nelson Mandela	10
JULY	1.Two Stories About Flying a) His First Flight b) Black Aeroplane 2.How to tell the Wild animals 3. The Ball Poem 4. From the diary of Anne Frank 5.Amanda 6.The mid Night Visitor	Recitation technique Question Answer Technique Explanation https://diksha.gov.in/play/content/do_31307536215864115218154?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307536215864115218154%26utm_campaign%3Dshare_content https://diksha.gov.in/play/content/do_31307536819631718418947?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307536819631718418947%26utm_campaign%3Dshare_content	create (imaginary) dialogs, present conversation effectively and emphatically, learn the principles of role play chronicle their (students)feelings about things around them ,articulate the problems faced by young adults	24

AUGUST	1.Glimpses of India a)A Baker from Goa b)Coorg c)Tea from Assam 2.A Question of Trust	https://diksha.gov.in/play/content/do_3129911278600192 001245?referrer=utm_source%3Ddiksha_mobile%26utm _content%3Ddo_3129911278600192001245%26utm_ca mpaign%3Dshare_content Explanation Discussion	Review the geography of aplace, research on major landmarks	21
SEPTEMBER	1.Foot Prints Without Feet	https://diksha.gov.in/play/content/do_3127956999603404 80111571?referrer=utm_source%3Ddiksha_mobile%26ut m_content%3Ddo_312795699960340480111571%26utm _campaign%3Dshare_content Revisions and Mid term	To learn the aesthetics of science and technology	19
OCTOBER	1.Mijbil the otter 2.Fog 3. the Making of Scientist	https://diksha.gov.in/play/content/do_3129911278794424 321246?referrer=utm_source%3Ddiksha_mobile%26utm _content%3Ddo_3129911278794424321246%26utm_ca mpaign%3Dshare_content Explanation Discussion	To develop sensitivity towardsanimals	15
NOVEMBER	1.Madam rides the Bus 2.The Tale of Custard The Dragon 3.The Sermon of Benares 4.From Anne Gregory 5.Necklace 6.Bholi	https://diksha.gov.in/play/content/do_3129911278794424 321246?referrer=utm_source%3Ddiksha_mobile%26utm _content%3Ddo_3129911278794424321246%26utm_ca mpaign%3Dshare_content Explanation Discussion https://diksha.gov.in/play/content/do_3129911279076966 401247?referrer=utm_source%3Ddiksha_mobile%26utm _content%3Ddo_3129911279076966401247%26utm_ca mpaign%3Dshare_content	Be Optimistic .to develop Sensitivity skills ,problem solving skills	23
DECEMBER	1.The Proposal 2.The Book that saved the earth	https://diksha.gov.in/play/content/do_3129911279076966 401247?referrer=utm_source%3Ddiksha_mobile%26utm _content%3Ddo_3129911279076966401247%26utm_ca mpaign%3Dshare_content	Be Optimistic .to develop Sensitivity skills ,problem solving skills	21
JANUARY		Revisions and Pre Boards		22
FEBRUARY		Boards		23
MARCH		Boards		23

Sub- MATHS

MONTH	TOPIC	LEARNING OUTCOMES	METHODOLOGY	WORKING DAYS
April	• **Real Numbers**	• **Real Numbers** After this lesson student would be able to 1. Solve the problems related to HCF and LCM using Fundamental Theorem of Arithmetic. 2. prove that √m is an irrational number	• Lecture and demonstration method • Smart class presentation.	18
June	• Polynomials	• **Polynomials** After this lesson student would be able to find the zeroes of a quadratic polynomial and the relation between the zeroes and its coefficients.	• Lecture and demonstration method • Smart class presentation	10

| July | • **Pair of Linear Equations**
• **Quadratic Equations** | • **Pair of Linear Equations**
After studying this lesson, students will be able to
  1. Learn important concepts and solve pair of linear equations by the graphical method.
  2. Solve the equations using the substitution and the elimination method
  3. Implement these formulas in simple and word problems.
     • **Quadratic Equations**
After studying this lesson, students will be able to-
  1. Know all the formulas and all the important conceprs related to quadratic equations
  2. Nature of solutions using Discriminant.
  3. Implementation of these formulas to solve situational problems. | • Lecture and demonstration method
• Smart class presentation | 24 |

Month	Topic	Learning Objectives	Methodology	Periods
August	• **Arithmetic Progression** • **Triangles**	• **Arithmetic Progression** After studying this lesson, students will know- 1. Meaning of AP 2. nth term of an AP. 3. Sum of first nterms of an AP • **Triangles** After this lesson student would be able to: 1. Prove& apply BPT 2. Learn different similarity conditions . 3. Implementation of these theorems in different problems.	• Lecture and demonstration method • Smart class presentation	21
September	• Coordinate Geometry • Introduction to Trigonometry	• **CoordinateGeometry** After this lesson student would be able to find 1.distance between two points 2. Coordinates of apoint which divides a line in a given ratio • **Introduction toTrigonometry** After this lesson student would be able to : 1. Find the value of a Trigonometric ratio from the given data. 2.find Trigonometric ratios of standard angles. 3. ProveTrigonometric identities **REVISION + MID TERM EXAM**	• Lecture and demonstration method • Smart class presentation	20

Month	Topics	Learning Objectives	Methodology	Periods
October	• Applications of Trigonometry • Circles	• **Applications of Trigonometry** After this lesson student would be able to implement the concept of Trigonometry in solving certain problems like height and distance or on complex daily life problems. • **Circles** After this lesson student will be able to prove the theorem on Radius tangent perpendicularity and Equality of tangents from an external point and questions based on them.	• Lecture and demonstration method • Smart class presentation	**15**
November	• Area related toCircle • Surface Areasand Volumes	• **Area related toCircle** After this lesson student would be able to find: 1. Area of Major and minor sector of the circle. 2. Area of major and minor segment of the circle. • **Surface Areasand Volumes** After this lesson student should know: 1. All formulas and important concepts related to the surface area of solid figures. 2. All formulas and important concepts related to the volume of solid figures. 3. Method of implementation of these formulas in simple	• Lecture and demonstration method • Smart class presentation	**23**

Month	Topic	Learning Objectives	Methodology	
		and complex problems.		
December	• Statistics	• **Statistics** After this lesson student would be able to find the mean , mode and median of grouped frequency distribution.	• Lecture and demonstration method • Smart class presentation	21
January	• Probability	• **Probability** After this lesson student would be able to : 1. Find probability in different situations. 2. Differentiate between sure event, equally likely events and impossible events.	• Lecture and demonstration method • Smart class presentation	22
February		**Revision + final term exam**		23
March		**Final Term Examination.**		23

Sub- Science

MONTH	TOPIC	LEARNING OUTCOMES	ACTIVITY/PROCESS	WORKING DAYS
April	**Light - reflection and refraction**	Spherical mirror image formation. Basic definitions of centre ofcurvature, principal axis, focal length, focus. Mirror formula. Sign convention Numericals.	Drawing of solenoid, electric motor and Genetrator to understand working principle.	**18**
June	**Light -reflection and refraction (half)**	To understand Refraction of light. To learn laws forming Image by lenses. Lens formula no derivation. To find magnification and power of lens	.Draw labelled ray diagrams to find the nature , position ,size of image formed by mirror .Draw labelled ray diagrams to find the nature , position, size of image formed by lense.	**10**
July	**Human eye and colorful world**	Human eye,vision defects and their corrective measures, prism , dispersion of light, and atmospheric phenomenon of refraction. Relates process and phenomenon with causes and effects of blue color of sky with scattering of light. Processes and phenomenon of advance and delayed sunset.	Draw labeled diagrams of human eye, draw the flow chart of defects of vision, draw conclusions of defects of vision.	**2 4**

August	**Electricity**	Concept of current and electric circuit. Learn to calculate electric current and potential difference. Draw circuit diagramsusing symbols of resistor, battery, bulb, plug, ammeter ,voltmeter etc .Learn Ohm's law.	Prepare various charts showingHydroelectric power plant and nuclear power plant etc Solve Series and parallel combination diagrams of resistors tofind value of I and V .Derive formula ,equation and laws inseries and parallel resistors.	**21**
September	**Electricity**	Understand dependence of resistor on factors like length ,area, temperature. Learn about resistivity .Verify laws of series and parallel combination .Learn the heating effect Of electric current	Draw circuit diagrams using various electric symbols.Draw thegraph compairing the values of V and I and hence find Resistance R	**20**
October	**Magnetic effect of electric current**	Oersted experiment explaining nature of magnetic field .Detection of Magnetic field lines .Magnetic field due to straight conductor	Learn and draw distribution of current and voltages in various combination of resistors. Solve Series and parallel combination diagrams of resistors to find value of I and V. Derive formula, equation and laws in series and parallel resistors.	**15**
November	**Magnetic effect of electric current(half)**	Magnetic field due to current through circular loop. Solenoid .Flemings left hand rule .Force on ccc. Working principle of electric motor and generators. Relation between electric and magnetic field. Fleming's right hand rule	Make chart showing nature of magnetic field lines Take initiative about scientific discoveries and inventions like Oersted exp.	**23**

December	Revision	21
January	Revision	22
February	Revision + final term exam	23
March	Final Term Examination.	23

Social Studies Class X				
Month	**Topic**	**Methodology**	**Learning Outcomes**	**Working Days**
April	Geography Lesson 1 Resource and Development	Explanation of prescribed textbook, smart class	**Understand the value of resources and the need for their judicious utilization and conservation**	18
	Political science Lesson 1 Power sharing	Explanation from prescribed book, group discussion, worksheets	Familiarize with the centrality of power sharing in democracy Understand the working of social power sharing mechanisms	
	Economics Lesson 1 Development	Explanation from pescribed book, smart class, worksheets	Understand the rationale of all over human development in our country which included the rise of income, improvement of health etc..	
June	Political science Lesson 2 Federalism	Explanation from prescribed book, group discussion, worksheets	Analyse federal provisions and institutions. Explain decentralization in rural and rural areas	**10**
	Economics Lesson 2 Sectors of Indian Economy	Using the smart class and Images and explanation	Identify major employment generating sectors. Reasons out the government investment in different sectors.	

July	Geography Lesson 2 Forest and wildlife	Interactive session with charts and diagrams	To make students aware about forest and its importance .	24
	Economics Lesson 3 Money and credit	Explanation from prescribed book, group discussion,worksheets	To teach the students about organised and unorganised form of credit. Understand money as an economic concept	
	History Lesson 3 Natonalism in India	Interactive session with Use of smart class and Images and Role play, map pointing	Analyse the nature of the diverse social movements of the time . Appreciate the ideas of PAN India belongingness	
August	History Lesson 5 Age of Industrialisation	Use of pictures and videos related to the topic.	To understand more closely the changes over the time and Architectural and Engineering skills of that time .	20
	Civics Lesson 6 Political Parties	Use of prescribed textbook and explanation	To understand better the working of legislative body.	
	Geography Lesson 3 Water Resources	Use of smart class and prescribed text book.	To make students understand about different tyes of water resources available in India and different dams.	

Month	Lesson	Method	Objectives	
September	Political Science Lesson 7 Outcomes of Democracy Geography Lesson 4 Agriculture **Revision and mid term**	Explanation from prescribed textbook, group discussions Use of smart class and case study, map pointing	.To get better understanding of working of executive bodies Distinguish between sources of strengths and weaknesses of democracy Explain the importance of agriculture in National Economy. Identify various types of farming and its methods.	20
October	History Lesson 7 Print Culture	Use of Interactive session with smart class and general observations.	Knowledge of different authors Print revolution Role of women in printing	14
November	Geography Lesson 5 Mineral and Energy resources Political science Lesson 4 Gender, Religion and Caste	Use of the prescribed textbook and smart class. Map pointing Use of group discussion, explanation	Knowledge about different minerals available in our country. Different climatic conditions necessary for the growth of minerals To make students understand about different discriminations of different caste.	23

Month	Lesson	Methodology	Learning Objective	
December	Geography Lesson 6 Manufacturing Industries	Use of the prescribed textbook and smart class.	Bring out the importance of industry in National Economyas well as understand the regional disparities which resulted to concentration to some areas.	21
	History Lesson 1 The Rise of Nationalism in Europe	Use of smart class and Explanaton from prescribed textbook,group discussion	Identify and comprehend the forms in which nationalism developed along with the formation of nation states.	
	Economics Lesson 4 Globalization and Indian Economy	Explanation from prescribed book, group discussion,worksheets	Explain the working of Global economic phenomenon. Impact of Globalisation in India	
January	History Lesson 4 Making of a Global World	Use of smart class and Explanation from prescribed textbook ,group discussion	Show that globalization has a long history and points to the shift within the process.	22
	Geography Lesson 7 Lifelines of Indian economy	Use of the prescribed textbook and smart class.	Give the importance of Transport and communication in the ever shrinking world	
February	Revision of all the chapters of second term			23
March	Revision and Final Term Examination			24

ANNUAL PEDAGOGICAL PLANNER 2022 - 23

Hindi

CLASS – X

MONTH	TOPIC	METHODOLOGY	LEARNING OUTCOMES	NO. OF WORKING DAYS
अप्रैल	क्षितिज — (गद्य) पाठ-1 नेताजी का चश्मा	स्पष्टीकरण, चर्चा पद्धति	• छात्रों में देश=प्रेम की भावना का विकास हो सकेगा।	13
	पाठ-2 बालगोविन भगत	स्पष्टीकरण, चर्चा पद्धति	• छात्र वर्तमान समय में सामान्य परिस्थितियों में रहना सीख जायेगें।	
	काव्य – पाठ-1 (पद)	अर्थ / कथन,	ईश्वर भक्ति की भावना जागृत करते हुए परमात्मा की ओर उन्मुख करना।काव्य साहित्य की जानकारी।	
	व्याकरण - • अनुच्छेद • पत्र	स्पष्टीकर, चर्चा पद्धति स्मार्ट क्लास	अनुच्छेद लेखन व पत्र लेखन कर सकेगें।	
जून	कृतिका - पाठ-1 माता का आंचल	स्पष्टीकरण, चर्चा पद्धति	छात्र माँ के प्रेम से परिचित हो पायेगें।	10

	व्याकरण	उद्गामी पद्धति	• सरल, मिश्र, संयुक्त वाक्य परिभाषा से परिचित करना)	
	• वाक्य रचना के आधार पर			
	• पद परिचय			
	• संदेश	विश्लेषण पद्धति,	छात्र संवाद लेखन करना सीखेंगे)	
	• स्वत्रल			
	ई-मेल			
जुलाई	दिनलिपि - गद्य	स्पष्टीकरण, चर्चा पद्धति	छात्र नवाबों के रहन-सहन से अवगत हो पायेंगे)	24
	पाठ-3 लखनवी अंदाज			
	काव्य- पाठ-2 राम लछमण परशुराम संवाद	अर्थ/कथन विधि	राम जी के संयम व परशुराम के क्रोध का कारण जान पायेंगे)	
अगस्त	दिनलिपि गद्य-	स्पष्टीकरण, चर्चा पद्धति।	छात्र इस पाठ की सहायता कहानी लेखन सीख पायेंगे)	19
	पाठ-5 एक कहानी यह भी			
	काव्य पाठ-4 आत्मकथ्य	व्याख्यान विधि।	कविता में कथा (आत्मकथा) का अर्थ समझ में विकास होगा)	
	कृतिका- पाठ-3 सानु-साना हाथ जोड़ि	प्रश्नोत्तर विधि।	सामाजिक, बौद्धिक विकास हो सकेगा।	

	व्याकरण - वाच्य भेद वाच्य परिवर्तन	स्पष्टीकरण, चर्चा। स्मार्ट क्लास	वाच्य भेद छात्र पहचान सकेंगे।	
सितंबर	(पुनरावृत्ति कार्य)	—	—	20
अक्टूबर	क्षितिज गद्य - पाठ-7 नौबत खाने में इबादत पद्य - पाठ-5 उत्साह, अट नहीं रही है।	स्पष्टीकरण, चर्चा पद्धति अर्थ / कथन विधि।	धार्मिक एकता के विषय से परिचित होंगे। छात्र, उत्साह खुशी में अंतर कर सकेंगे।	13
	व्याकरण - वाक्य भेद रचना के आधार पर • संदेश लेखन	आगमन पद्धति, स्पष्टीकरण, चर्चा पद्धति	छात्र वाक्य भेद पहचानना जानेंगे। छात्र संदेश लेखन कर सकेंगे।	

नवंबर	क्षितिज गद्य – पाठ-8 संस्कृति	स्पष्टीकरण, चर्चा विधि	छात्र हमारे संस्कृति को समझेंगे।	23
	व्याकरण – • अलंकार	आगमन विधि/पद्धति स्मार्ट क्लास	अलंकार की परिभाषा भेद को जानेंगे।	
दिसंबर	क्षितिज काव्य – पाठ-6 दंतुरित मुस्कान फसल	कविता का अर्थ/कथन पद्धति	• छात्र नन्हे बच्चे की मुस्कान से भी खुशी मिलती है उसे जानेंगे।	21
	पाठ-1 संगतकार	कहानी स्पष्टीकरण, चर्चा पद्धति	• पाठ से आत्मसात होंगे।	
	कृतिका – पाठ-5 मैं क्यों लिखता हूँ	स्पष्टीकरण, चर्चा पद्धति	छात्र लेखक के लिखने का कारण को समझ कर अपने जीवन में	

जनवरी	व्याकरण एवं कृतिका (पुनरावृत्ति)	—	—	23
फरवरी	द्विलिपि गद्य एवं पद्य (पुनरावृत्ति)	—	—	23
मार्च	—	(वार्षिक परीक्षा)	—	