



Delhi Public Global School  
2024-2025  
Annual pedagogical plan  
Class- 10th  
Subject – Urdu

عملی کام	تدریسی سرگرمیاں	حصہ نظم	حصہ نثر	ماہ	
طلباء کو آڈی ٹوریم میں تعارف پیش کروایا جائے گا	الفاظ معنی، سوالات کے جوابات، آشعار کی تشریح، سبق کا خلاصہ، راجندر سنگھ بیدی سعادت حسین منٹو کا تعارف پیش کیجیے، (قواعد) واحد جمع الفاظ مترادفات، الفاظ متضاد، محاوروں کا جملوں میں استعمال، اسم کی تعریف، اسم کی قسمیں	غزل: سودا، بہار بے سپر جام ویار گزرے ہے، نظم: اکبر الہ آبادی، جلوہ دربارِ دہلی رباعی: انیس: گلشن میں پھروں کہ سیر صحرا دیکھوں	راجندر سنگھ بیدی (بھولا) سعادت حسین منٹو (نیاقان)	اپریل	۱
کلاس میں سرسید پر اظہارِ خیال کیجیے	الفاظ معنی، سوالات کے جوابات، آشعار کی تشریح اضمیر کی اقسام مضمون، چھٹی کی درخواست	غزل: ذوق، لائی حیات اے، فضالے چلی، چلے نظم: اکبر الہ آبادی رباعی: انیس، گلشن میں پھروں کہ صحرا دیکھوں	حیات اللہ انصاری (بھیک) الطاف حسین حالی سرسید کا بچپن	مئی	۲

<p>مقابلہ مز مضمون نگاری</p>	<p>الفاظ معنی، سوالات کے جوابات، سید عابد حسین کا تعارف، اضافت اور قافیوں کا استعمال، فعل کی اقسام، مضمون، خط بڑے بھائی کا چھوٹے بھائی کے نام، والد کا خط بیٹے کے نام</p>	<p>غزل: شاد عظیم آبادی، ڈھندو گے ہمیں ملکوں ملکوں نظم: جوش گرمی اور دیہاتی بازار رباعی: تلوک چند: فطرت کی دی ہوئی مسرت</p>	<p>محمد مجیب: آزمائش سید عابد حسین چوری اور اس کا کفارہ</p>	<p>۳ جولائی</p>
<p>----- -</p>	<p>الفاظ معنی، سوالات کے جوابات، آشعار کی تشریح، لاحقے، سابقے، ہم معنی الفاظ، اردو زبان کی اہمیت</p>	<p>غزل: فانی: دنیا میری بلا جانے مہنگی ہے یا سستی ہے، نظم: اودیس سے آنے والے بتا، رباعی: تلوک چند محروم فطرت کی دی ہوئی مسرت کھو کر</p>	<p>سر سید احمد خاں، عورتوں کے حقوق، مولوی عبدالحق، مخلوط زبان</p>	<p>۴ اگست</p>
<p>کوونز پروگرام</p>	<p>سوالات کے جوابات، الفاظ معنی، اشعار کی تشریح، اسباق کے خلاصے</p>	<p>غزل: اصغر گونڈوی، آلام روزگار کو آساں بنا دیا، نظم: کیفی آعظمی، آندھی</p>	<p>آل احمد سرور: چکبست لکھنوی انشا</p>	<p>۵ ستمبر</p>

	<p>سوالات کے جوابات، الفاظ معنی اشعار کی تشریح، اسباق کے خلاصے</p>	<p>رباعی: فراق، ہر عیب سے مانا کے جدا ہو جاے</p>	<p>محمد اسلم پرویز ماحول بچائے</p>	<p>۶ اکتوبر</p>
<p>-----</p>	<p>-----</p>	<p>-----</p>	<p>بچوں کی پریشانیوں کا حل، امتحان کی تیاری</p>	<p>۷ نومبر</p>

## APP for the session (2024-25)

Class - 10

Subject art

Teacher's Name UMA SHUKLA

Chapter name	No. of Periods	Activity	TEACHING METHOLOGY	Completion Status
1- NATURE STUDY	APRIL	USING OIL PASTAL	EX. LEANINING	COMPLETED
2- SALT TEXTURE	MAY	MAKE FILE COVER WITH SALT TEXTURE	JOYFUL LEARNING METHOD	COMPLETED
3- TUG THE BUTTON	MAY	TUGGING BUTTON ON SHIRT	EX. LEARNING	COMPLETED
4- DIEFFERENT TYPES OF STICHES	JULY	MAKE A PILLOW COVER WITH ROSE STICH	JOY FUL	COMPLETED
5- HIBICUS WITH POSTER COLOURS	JULY	COLLECT KNOWLEDGE AND WRITE 4 LINE UNDER THE PAINTING	NATURE STUDY AND EX. LEARNING	COMPLETED
6- COLLAGE	AUG	MAKE ENVELOP WITH OLD MARRIGE CARD	JOYFUL	COMPLETED
7- ROSE WITH PENCIL COLOURS	AUG	MAKE A BEAUTIFUL FLOWER WITH CRAFT PAPER	NATURE, EX LEARNING	COMPLETED
8- LANDSCAPE WITH BRUSH N INK	SEP	PAINT ONE WOOD PENHOLDER	EX LEARNING	COMPLETED
9- LOTUS POND USING WATER COLOURS	OCT	DECORATE A DUPTTA WITH BEAUTIFUL SMALL LOTUS	ART INTERATED	COMPLETED

<b>10 -PAINTING WITH KNIFE</b>	<b>NOV</b>	<b>CLEAN ART ROOM</b>	<b>JOYFUL</b>	<b>COMPLETED</b>
<b>11 NATURE STUDY</b>	<b>NOV</b>	<b>DECORATE A DRAWING SHEET N WRITE FEW LINES ABOUT IMPORTANCE OF NATURE</b>	<b>EX.LEARNING</b>	<b>COMPLETED</b>
<b>11- TREE WITH INK PEN</b>	<b>DEC</b>	<b>DECORATE FILE FRONT PAPER WITH BLACK,BLUE,RED,GREEN</b>	<b>NATURE,ART INTEGRATED ACT.</b>	<b>COMPLETED</b>
<b>12-LANDSCAPE WITH INK PEN</b>	<b>JAN</b>	<b>STUDENTS WRITE THEIR NAME WITH BEAUTIFUL CALLIGRAFY</b>	<b>EX. LEARNING</b>	<b>COMPLETED</b>
<b>13- STILL LIFE WITH 2B,4B,6B</b>	<b>FEB</b>	<b>MAKE BOADER WITH 6B PANCIL OF YOUR FILES 5, 6, 7 PAGE</b>	<b>EX. LEARNING</b>	<b>COMPLETED</b>

## ANNUAL PEDAGOGICAL PLAN FOR CLASS X`

SESSION 2023-2024

### ARTIFICIAL INTELLIGENCE (417)

<b>MONT H</b>	<b>SUB-UNIT</b>	<b>LEARNING OUTCOMES</b>	<b>SESSION / ACTIVITY / PRACTICAL</b>
<b>APRIL</b>	Chapter 1: Fundamental concept of AI	<ul style="list-style-type: none"><li>• Introduction of AI</li><li>• Types of Intelligence</li><li>• Concept of AI</li></ul>	Create a power point presentation on the topic smart city.
	Chapter 2: Basics of AI	<ul style="list-style-type: none"><li>• To relate, apply and reflect on the Human-Machine Interactions.</li><li>• To identify and interact with the three domains of AI:  Data, Computer Vision and Natural Language Processing.</li></ul>	Explore AI experiment with Google. <ul style="list-style-type: none"><li>• (Experiential Learning)</li></ul>
	Chapter 3: Introduction and Stage of AI project Cycle	Learn about of the life cycle of AI project And know about different stage in AI cycle.	Create a power point presentation that describe the steps involved in AI project cycle
<b>May</b>	Chapter 5: Introduction to python	Learn the basic syntax of Python programming	Programs based on basic of Python i.e. Shape area , SIMPLE MATHEMATICAL CALCULATION,
<b>July</b>	Chapter 6: more about Python	Conditional statement Loops Python Modules	Python Programs on the following .

	Chapter 7: Python Tools and Virtual Environment	Learn about different types of Editors In Python	Assignment on Different types of Python Editors
	Chapter 8: Concept of Data science & KNN Model		
<b>September</b>	Part A Unit 1: Communication Skills-II	Students learn different methods of communication, their functions, their effective use in our daily life.	N/A
	UNIT 2: Chapter 6: Stree Management Techniques  Chapter 7: The importance of working independently	Stress has become one of the most serious health Issue of the 20 <sup>th</sup> century. Therefore its important to understand what is stress?  Learn how to work independently Meaning of Independent working	N/A
<b>October</b>	Part A Unit 3: Chapter 1: Operating System	Role of the operating system Types of operating system Functions of the operating system	Write short notes on The MS windows 10
	Chapter 2: Caring for your Computer	Care and cleaning Tips of Maintaining the computer system at Home	Activity : Clean your personal computer Joyfull learning

	Part A Unit 4: Chapter 1: Characteristics of a Successful Entrepreneurs	Learn the Role of entrepreneur in our society	Read the biography of Mr. Jamshedji TATA and Mr. Dherubhai Ambani. Discuss in class how they become Entrepreneurs and what motivate them to start their business
November	Unit 2 : Chapter 4: Neural Network	Learning the core concept Behind Machine Learning	Use of internet to find how an artificial neural network helps to predict human behavior through hand writing analysis (Creative Thinking)
	Unit 5 :Computer Vision Chapter 9: Concepts of Computer Vision, Open CV and Convolution	Familiar with how the computer system or machine to see through images or visual data , process and analyse them on the basis of Algorithms. How it focused on the problem of helping computer to see.	
	Unit 6: Natural Language Processing		



## Delhi Public Global School

### Annual Pedagogical Plan for the session (2024-25)

Class – 10th

Subject – English

Teacher's Name – Sayma Nisar

Month	Chapter name	No. of Periods	Activity	Completion Status
TERM- 1 April	<b>First Flight</b>			
	L 1 A letter to God	03	<b>Nature and Community Concern</b> Students will discuss about the natural calamities in groups.	
	L2 Nelson Mandela	03	<b>Expression Series</b> As a reporter of a newspaper who attended Nelson Mandela's swearing in ceremony as the President of the newly elected government, write a report in about 125 words about the occasion.	
	L1 Dust of Snow (Poem)	02		
	L2 Fire and Ice (Poem)	02		
	<b>Footprints without feet</b>			
	L1 A Triumph of Surgery	03	<b>Expression Series</b> Students will write about the feelings of the seagull before he leaves his abode to catch a fish offered by his mother. Use phrasal verbs in own sentences.	
L2 The Thief's Story	03			
<b>Writing &amp; Grammar</b>				
Formal letter	02			
Tenses	03			

<p><b>May</b></p>	<p><b>First Flight</b>  L3 Two Stories about flying  L4 Diary of Anne Frank  L3 A Tiger in the Zoo (Poem)</p> <p><b>Footprints without feet</b>  L3 The Midnight Visitor</p> <p><b>Grammar</b>  Modals  Determiner  Subject-verb concord</p>	<p><b>03</b>  <b>03</b>  <b>02</b>    <b>02</b>    <b>02</b>  <b>02</b>  <b>02</b></p>	<p>Group Work  Dramatization of the story/ episodes from the story.  Students will Write a short story with the titlePoverty does not Deter Progress. (word limit:150-180)</p> <p><b>Experiential Learning</b>  Students will have an open House Discussion on- The Best way of Reforming Criminals.</p> <p><b>Expression Series</b>  Students will write a factual description of the famous 007- James Bond, the best-known secret agent Compare and contrast this character with Ausable-- the secret agent in The Midnight Visitor.  How are they different from each other? How are they similar?</p> <p><b>Periodic Assessment – 1</b>  Writing &amp; Grammar  Writing - Letter Formal (Place and Order)  <b>Present Tense, Modals</b>  <b>Firstflight Unit 1 - Prose Ch-1 A Letter to God</b>  <b>Poem Ch-1 Dust of Snow</b>  <b>Footprints without Feet Ch-1 The Triumph of Surgery</b></p>	
<p><b>July</b></p>	<p><b>First Flight</b>  L5 The Hundred Dresses –I  L6 The Hundred Dresses –II  L4 How to Tell Wild Animals (Poem)  L5 The Ball (Poem)  L6 Amanda (Poem)</p> <p><b>Footprints without feet</b>  L4 A Question of Trust  L5 Footprints without Feet</p> <p><b>Grammar &amp; Writing</b>  Story Writing</p>	<p><b>02</b>  <b>02</b>  <b>01</b>  <b>01</b>  <b>01</b>    <b>02</b>    <b>02</b>  <b>02</b></p>	<p><b>Art Integrated activity</b>  Students will have Group Discussion on the topic What are the ways in which animals differ form human beings?</p> <p><b>Expression Series</b>  Imagine that you re Horace Danby and you happened to meet the woman who had tricked you. As Horace, write and enact an imaginary dialogue between you and the woman.</p> <p><b>Group Discussion and Presentation</b>  Suppose you had the power to become invisible whenever you wanted. What acts of heroism and help you would perform using your power? (Do not include illegal and unacceptable acts).Discuss in your group and make a brief presentation to the class.</p>	

<p><b>TERM-2</b></p> <p><b>July</b></p>	<p><b>First Flight</b> L7 Glimpses of India</p> <p><b>Footprints without feet</b> L6 The Making of a Scientist L7 The Necklace</p> <p><b>Grammar &amp; Writing</b> Article Writing</p>	<p><b>03</b></p> <p><b>02</b></p> <p><b>02</b></p> <p><b>01</b></p>	<p><b>Expression Series</b> As the scientist, Richard H. Ebright, students will write a diary for the day when he found the answer to his theory - how can cell read the blueprint of its DNA? (word limit:120-150)</p> <p><b>Story Telling</b> Matilda comes to know from her friend that the diamonds in the necklace she had borrowed were false. Though Matilda and her husband have lost ten years of their youth, they still have worked hard to save the money for a real diamond necklace. Imagine that you are Matilda. Extend the story using your imagination. What would you have done in those circumstances?</p> <p><b>Periodic Assessment - 2</b> <b>Writing - Formal Letter</b> <b>Grammar - Determiners, Past Tense</b> <b>First Flight Prose Ch- 3 Two Stories about Flying, Ch 4- Diary of Anne Frank</b> <b>Poem Ch- 3 A Tiger in the Zoo, Ch-5 The Ball Poem</b> <b>Footprints Ch- 3 The Midnight Visitor</b></p>	
<p><b>August</b></p>	<p><b>First Flight</b> L8 Mijbil the Otter L7 Animals (poem) L8 The Trees (poem)</p> <p><b>Footprints without feet</b> L8 The Hack Driver</p> <p><b>Grammar</b> Reported speech</p>	<p><b>03</b></p> <p><b>02</b></p> <p><b>02</b></p> <p><b>03</b></p> <p><b>04</b></p>	<p><b>Expression Series</b> Reported speech questions will be given to the students for practice.</p>	
<p><b>September</b></p>	<p><b>First Flight</b> L9 Madam Rides the Bus L9 Fog (Poem)</p> <p><b>Footprints without feet</b> L9 Bholi</p>	<p><b>04</b></p> <p><b>03</b></p> <p><b>03</b></p>	<p><b>Expression series</b> Students could be asked to identify the features of a legend in the poem.</p> <p><b>Expression series</b> The teacher instructs students to write in about 80-100 words about Bholi</p> <p><b>ICT Usage</b></p>	

<p style="text-align: center;"><b>October</b></p>	<p style="text-align: center;"><b>Grammar</b> Active &amp; Passive Voice</p> <p style="text-align: center;"><b>Revision and Half yearly Exams</b></p>	<p><b>04</b></p>	<p><b>Audio</b> <b>Video</b></p> <p><b>Nature and Community Concern</b> Students will distinguish between natural and human caused disasters and discuss in groups.</p> <p>Worksheets will be given to the students based on Determiner Worksheets will be given to the students based on Active Voice &amp; Passive Voice</p> <p><b>Half yearly Exam Syllabus</b> <b>Writing - Formal Letter, Analytical Paragraph</b> <b>Grammar - Determiners, Modals, Reported Speech, Subject verb concord</b> <b>First Flight Prose Ch 1 A Letter to God, Ch 2 Nelson Mandela, Ch- 3 Two Stories about Flying, Ch 4- Diary of Anne Frank, Ch 7 Glimpses of India, Ch 8 Mijbil The Otter</b> <b>Poem- Ch 1 Dust of snow, Ch 2 Fire and Ice, Ch- 3 A Tiger in the Zoo, Ch 4 How to tell Wild Animals, Ch-5 The Ball Poem, Ch 6 Amanda</b> <b>Footprints- Ch 1 A Triumph of Surgery, Ch 2 The Thief's Story, Ch- 3 The Midnight Visitor, Ch 4 A Question of Trust, Ch 5 Footprints without Feet, Ch 6 The Making of a Scientist</b></p>	
<p style="text-align: center;"><b>November</b></p>	<p><b>First Flight</b></p> <p>L10 The Sermon at Benares L10 The Tale of Custard the Dragon (Poem)</p> <p>L11 For Anne Gregory (poem) L11 The Proposal</p>	<p><b>03</b></p> <p><b>02</b></p> <p><b>01</b></p> <p><b>02</b></p>	<p><b>Joyful Learning</b> Students will narrate the most memorable journey of their life.</p> <p><b>Story Telling</b> Students will read the poem carefully. Working in groups, make an outline of the story narrated in the poem. Using your notes, narrate the story in simple prose.</p> <p><b>Joyful Learning</b> Students will have a have a class discussion on the sports and games facilities available to students. Have a brief discussion on other areas that are open for children to excel in today's world.</p>	

	<p><b>Footprints without feet</b> L 10 The Book that Saved the Earth</p> <p><b>Grammar &amp; Writing</b> Clauses Conjunctions Preposition</p>	<p>02</p> <p>03 02 02</p>	<p><b>ICT Usage</b> Students will make a Project on ‘Trees’ (PPT) Subheads: Life of trees Importance of trees Types of trees Need to plant more trees</p> <p><b>Joyful Learning</b> ‘Comedies are enjoyable only when the characters do silly things.’ The students speak for a minute on the topic, giving examples from real life, films, TV showsetc.</p> <p>Worksheets will be given to the students. Worksheets will be given to the students.</p> <p><b>Expression series</b> Topics will be given to the students for preposition</p> <p><b>Periodic Assessment - 3</b> <b>Writing- Analytical Paragraph, Formal Letter</b> <b>Grammar- Subject-verb Agreement, Modals, Reported Speech, Tenses, Determiners</b> <b>Firstflight L 10 The Proposal, L 5 Glimpses of India</b> <b>Poem - 9 For Anne Gregory, 3 A Tiger in the Zoo</b> <b>Footprints - L 2 The Thief's Story</b> <b>L 6 The Making of s Scientist</b></p>	
<p><b>December &amp; January</b></p>	<p>Revision &amp; Examination</p>		<p>All syllabus covered</p>	

वार्षिक अध्यापन परियोजना

सत्र 2023-24

कक्षा 10वी, विषय हिंदी

(1 अप्रैल)

काव्य - खंड-----

पाठ 1 पद

पाठ 2 राम-लक्ष्मण परशुराम संवाद,

कृतिका माता का आंचल

व्याकरण मानवीकरण अलंकार

कक्षा गतिविधि:

पठन-पाठन पाठ का मूल्यांकन

अधिगम: वादन: वाचन।

गद्यांश प्रश्न उत्तर पदों की व्याख्या एवं उससे संबंधित उदाहरण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

(1 मई)

पाठ आत्मकथ्य

पाठ उत्साह अट नहीं रही

कृतिका साना साना हाथ जौडि

व्याकरण अतिशयोक्ति अलंकार

कक्षा गतिविधि:

पठन-पाठन पाठ का मूल्यांकन

अधिगम: वादन: वाचन।

गद्यांश प्रश्न उत्तर पदों की व्याख्या एवं उससे संबंधित उदाहरण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

( 1 जुलाई )

पाठ यह दंतुरहित मुस्कान और फसल

पाठ संगतकार

कृतिका

पाठ मैं क्यों लिखता हूँ।

व्याकरण रूपक अलंकार

कक्षा गतिविधि

पठन-पाठन एवं (वार्तालाप) कविता वाचन।

गंधाश प्रश्न उत्तर पदों की व्याख्या वाक्य के उदाहरण

पाठ का सारांश अनुवाद वाक्य के प्रकार।

कक्षा गतिविधि

पठन-पाठन एवं (वार्तालाप ) कविता वाचन।

गंधाश प्रश्न उत्तर पदों की व्याख्या वाक्य के उदाहरण

( 1 अगस्त )

गद्य - खंड

पाठ नेताजी का चश्मा,

पाठ बालगोबिन भगत

व्याकरण उत्प्रेक्षा अलंकार

कक्षा गतिविधि:

पठन-पाठन पाठ का मूल्यांकन

अधिगम: वादन: वाचन।

गद्यांश प्रश्न उत्तर पदों की व्याख्या एवं उससे संबंधित उदाहरण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

( 1 सितंबर )

• पाठ लखनवी अंदाज़,

पाठ एक कहानी यह भी,

व्याकरण पद परिचय विशेषण, क्रिया, संज्ञा, सर्वनाम

कक्षा गतिविधि:

पठन-पाठन पाठ का मूल्यांकन

अधिगम: वादन: वाचन।

गद्यांश प्रश्न उत्तर पदों की व्याख्या एवं उससे संबंधित उदाहरण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

( 1 अक्टूबर )

पाठ नौबतखाने में इबादत।

पाठ संस्कृति।

व्याकरण वाच्य, कर्तावाच्य, कर्मवाच्य, भाववाच्य

कक्षा गतिविधि:

पठन-पाठन पाठ का मूल्यांकन

अधिगम: वादन: वाचन।

गद्यांश प्रश्न उत्तर पदों की व्याख्या एवं उससे संबंधित उदाहरण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

स्मरण शक्ति

बौद्धिक शक्ति स्तर एवं स्मरण शक्ति हेतु परख।

( 1 नवंबर )

सम्पूर्ण व्याकरण,

पद परिचय, अलंकार, वाच्य, एवं संबंधित पाठ का पुनरीक्षण।

लेखन कौशल

पाठ का सारांश अनुवाद वाक्य के प्रकार।

स्मरण शक्ति

बौद्धिक शक्ति स्तर एवं स्मरण शक्ति हेतु परख

**DELHI PUBLIC GLOBAL SCHOOL**  
**MATHEMATICS CURRICULUM PLAN**  
**CLASS : X**  
**(SESSION: 2024-2025)**

Month Topic	Sub Topic	Concept/ Mathematics Activities	Assignment
<b>April</b> <b>Topic:</b> Real Numbers <b>No. of</b> <b>Periods:</b> 10	<ul style="list-style-type: none"> <li>• The Fundamental Theorem of Arithmetic : Every composite number can be expressed (factorised) as a product of primes, and this factorisation is unique, apart from the order in which the prime factors occur.</li> <li>• If <math>p</math> is a prime and <math>p</math> divides <math>a^2</math>, then <math>p</math> divides <math>a</math>, where <math>a</math> is a positive integer. 3. To prove that <math>2, 3</math> are irrationals.</li> </ul>	---	Assignment on Real Numbers
<b>Topic:</b> Polynomials <b>No. of</b> <b>Periods:</b> 10	<ul style="list-style-type: none"> <li>• Polynomials of degrees 1, 2 and 3 are called linear, quadratic and cubic polynomials respectively.</li> <li>• A quadratic polynomial in <math>x</math> with real coefficients is of the form <math>ax^2 + bx + c</math>, where <math>a, b, c \neq 0</math> are real numbers with <math>a \neq 0</math></li> <li>• The zeroes of a polynomial <math>p(x)</math> are precisely the <math>x</math>-coordinates of the points, where the graph of <math>y = p(x)</math> intersects the <math>x</math>-axis.</li> <li>• A quadratic polynomial can have at most 2 zeroes and a cubic polynomial can have at most 3 zeroes.</li> <li>• If <math>\alpha</math> and <math>\beta</math> are the zeroes of the quadratic polynomial <math>ax^2 + bx + c</math>, <math>\alpha + \beta = -b/a</math> and <math>\alpha\beta = c/a</math>.</li> <li>• If <math>\alpha, \beta</math> and <math>\gamma</math> are the zeros of the polynomial <math>ax^3 + bx^2 + cx + d</math>, <math>\alpha + \beta + \gamma = -b/a</math>, <math>\alpha\beta + \gamma\beta + \gamma\alpha = c/a</math>, <math>\alpha\beta\gamma = -d/a</math>.</li> </ul>	---	Assignment on Polynomials
<b>MAY</b> <b>Topic:</b> Pair of Linear Equations in Two Variables <b>No. of</b>	<ul style="list-style-type: none"> <li>• A pair of linear equations in two variables can be represented, and solved, by the: (i) graphical method (ii) algebraic method</li> <li>• Graphical Method : The graph of a pair of linear equations in two variables is represented by two lines. (i) If the lines intersect at a point, then that point gives the unique solution of the two equations. In this case, the pair of equations is consistent. (ii) If the lines coincide, then there are infinitely many solutions — each point on the line being a solution. In this case, the pair of equations is dependent (consistent). (iii) If the lines are parallel, then the pair of equations has no solution. In this case, the pair of equations is inconsistent.</li> </ul>	<b>Lab Activity:</b> To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.	Assignment on Pair of Linear Equations in Two Variables

<b>Periods: 15</b>	<ul style="list-style-type: none"> <li>Algebraic Methods : We have discussed the following methods for finding the solution(s) of a pair of linear equations : (i) Substitution Method (ii) Elimination Method</li> <li>If a pair of linear equations is given by <math>a_1 x + b_1 y + c_1 = 0</math> and <math>a_2 x + b_2 y + c_2 = 0</math>, then the following situations can arise : <ul style="list-style-type: none"> <li>(i) <math>a_1/a_2 \neq b_1/b_2</math>: In this case, the pair of linear equations is consistent.</li> <li>(ii) <math>a_1/a_2 = b_1/b_2 \neq c_1/c_2</math> : In this case, the pair of linear equations is inconsistent.</li> <li>(iii) <math>a_1/a_2 = b_1/b_2 = c_1/c_2</math> : In this case, the pair of linear equations is dependent and consistent.</li> </ul> </li> </ul>		
--------------------	---	--	--

Month	Sub Topic	Concept/ Mathematics Activities	Assignment	J U L Y	PERI ODI C ASS ESS MEN T - 2
<b>JULY</b>  <b>Topic:</b> Arithmetic Progressions  <b>No. of Periods: 8</b>	<ul style="list-style-type: none"> <li>Motivation for studying Arithmetic Progression</li> <li>Derivation of the nth term and sum of the first n terms of A.P.</li> <li>Its application in solving daily life problems.</li> </ul>	<b>Lab Activity:</b>  1. To verify that the given sequence is an arithmetic progression.	Assignment on  Arithmetic  Progressions		
<b>Topic:</b> Triangles  <b>No. of Periods: 15</b>	<ul style="list-style-type: none"> <li>Definitions, examples, counter examples of similar triangles.</li> <li>(Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.</li> <li>(Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.</li> <li>(Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.</li> <li>(Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.</li> <li>(Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.</li> </ul>	---	Assignment on Triangles		

Month Topic	Sub Topic	Concept/ Mathematics Activities	Assignment
<b>AUGUST</b>  Topic: Coordinate Geometry  No. of Periods: 14	<ul style="list-style-type: none"> <li>LINES (In two-dimensions)</li> <li>Review: Concepts of coordinate geometry</li> <li>Graphs of linear equations.</li> <li>Distance formula</li> <li>Section formula (internal division).</li> <li>Mid point formula</li> </ul>	---	Assignment on  Coordinate Geometry
Topic : Trigonometry  No. of Periods: 15	<ul style="list-style-type: none"> <li>Introduction to Trigonometry</li> <li>Trigonometric ratios of an acute angle of a right-angled triangle.</li> <li>Proof of their existence (well defined); motivate the ratios whichever are defined at <math>0^\circ</math> and <math>90^\circ</math>.</li> <li>Values of the trigonometric ratios of <math>30^\circ</math>, <math>45^\circ</math> and <math>60^\circ</math>. Relationships between the ratios.</li> </ul> <p>Trigonometric ratios of Complementary angles.</p> <p>Trigonometric Identities.</p>	---	---

<b>SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>	---	---
<b>OCTOBER</b>  Topic : Quadratic Equations  No. of Periods: 15	<ul style="list-style-type: none"> <li>Standard form of a quadratic equation <math>ax^2 + bx + c = 0</math>, (<math>a \neq 0</math>).</li> <li>Solutions of quadratic equations (only real roots) by factorization and by using quadratic formula.</li> <li>Relationship between discriminant and nature of roots.</li> <li>Situational problems based on quadratic equations related to day to day activities to be incorporated.</li> </ul>	---	Assignment on  Quadratic Equations
Topic: Circles  No. of Periods: 8	<ul style="list-style-type: none"> <li>Tangent to a circle at, point of contact.</li> <li>(Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact.</li> <li>(Prove) The lengths of tangents drawn from an external point to a circle are equal.</li> </ul>	<b>Lab Activity:</b> To verify that the lengths of tangents drawn from an external point are	Assignment on Circles

		equal	
<b>Topic:</b> <b>Areas</b> <b>Related to Circles</b> No. of Periods: 12	<ul style="list-style-type: none"> <li>Motivate the area of a circle</li> <li>Area of sectors and segments of a circle.</li> <li>Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°, 90° and 120° only. Plane figures involving triangles, simple quadrilaterals and circle should be taken.)</li> </ul>	---	Assignment on <b>Areas</b> <b>Related to</b> <b>Circles</b>

Month Topic	Sub Topic	Concept/ Mathematics Activities	Assignment
<b>November</b> <b>Topic:</b> <b>Topic:</b> Statistics <b>No. of Periods:</b> 18	<ul style="list-style-type: none"> <li>Mean, median and mode of grouped data (bimodal situation to be avoided).</li> <li>Cumulative frequency graph.</li> </ul>		Assignment on Statistics

<p><b>Topic:</b> Surface Areas and Volumes <b>No. of Periods:</b> 12</p>	<ul style="list-style-type: none"> <li>• Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.</li> <li>• Frustum of a cone.</li> <li>• Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken.)</li> </ul>	<p><b>Lab Activity:</b></p> <ol style="list-style-type: none"> <li>1. To make a right circular cylinder of given height and circumference of base.</li> <li>2. To give a suggestive demonstration of the formula for the             <ol style="list-style-type: none"> <li>(i) volume of a right circular cylinder.</li> <li>(ii) volume of a right circular cone.</li> <li>(iii) volume of a right circular sphere.</li> </ol> </li> </ol>	<p>Assignment on <b>Surface Areas and Volumes</b></p>
<p><b>December</b></p>	<p><b>Pre- Board Examination</b></p>		
<p><b>January</b></p>	<p><b>Revision</b></p>		
<p><b>February</b></p>	<p><b>Revision</b></p>		
<p><b>March</b></p>	<p><b>Annual Examination</b></p>		

**DELHI PUBLIC GLOBAL SCHOOL**  
**Curriculum Plan of Social Science for Class X (Session: 2024-2025)**

TOPIC	SUB-TOPIC	LEARNING OBJECTIVES	AUDIO-VISUAL INPUTS	ACTIVITIES
<b>APRIL</b>				
<b>Resources and Developmzent</b>	<ul style="list-style-type: none"> <li>• Types of Resources</li> <li>• Development of Resources</li> <li>• Resource Planning in India</li> <li>• Land Resources</li> <li>• Land Utilization</li> <li>• Land Use Pattern in India</li> <li>• Land Degradation and Conservation Measures</li> <li>• Soil as a Resource</li> <li>• Classification of Soils</li> <li>• Soil Erosion and Soil Conservation</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the value of resources and the need for their judicious utilization and conservation.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Resource and Development</li> <li>• Land Degradation and Conservation measures</li> </ul>	<p><b>Introductory: .(JOYFUL LEARNING)</b></p> <p>The teacher will ask the students to list the name of resources they use every day</p> <p>The teacher will write all the names given by the students and will try to categorize them as per the lesson</p> <p>To make a list of resources we need in India.</p> <p><b>.(JOYFUL LEARNING)</b></p> <p>1) Prepare a list of resources found in your state and also identify the resources that are important but deficit in your state</p> <p>2) MAP WORK</p>
<b>Power Sharing.</b>	<ul style="list-style-type: none"> <li>• Case Studies of Belgium and Sri Lanka</li> <li>• Why power sharing is desirable?</li> <li>Forms of Power Sharing</li> </ul>	<ul style="list-style-type: none"> <li>• Familiarize with the centrality of power sharing in a democracy. Understand the working of spatial and social power sharing mechanisms.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Power sharing</li> <li>• Case of Belgium and Sri Lanka</li> </ul>	<p><b>EXPRENTIAL AND JOYFUL LEARNING</b></p> <p>1) Prepare a flow chart of division of powers in your school.</p> <p><b>RESEARCH WORK</b></p> <p>2) Read any newspaper for one week and make clipping of news related to ongoing conflicts.</p> <p><b>Classroom activities-</b></p>

				<p>3) Identify the type of power sharing— The Bombay high court ordered the Maharashtra government to improve the conditions of children living in slum areas.</p> <p>4) <b>Brain storming session</b>---Do you think UNO has failed in power sharing of check and balance on corona virus.</p>
<b>Development</b>	<ul style="list-style-type: none"> <li>• What Development Promises - Different people different goals</li> <li>• Income and other goals</li> <li>• National Development</li> <li>• How to compare different countries or states?</li> <li>• Income and other criteria</li> <li>• Public Facilities</li> <li>• Sustainability of development</li> </ul>	<p>What Development Promises - Different people different goals</p> <ul style="list-style-type: none"> <li>• Income and other goals</li> <li>• National Development</li> <li>• How to compare different countries or states?</li> <li>• Income and other criteria</li> <li>• Public Facilities</li> <li>• Sustainability of development</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Development</li> </ul>	<p><b>BRAIN STORMING</b></p> <p>1) Table will be given in which student will fill different development goal for different people.</p> <p><b>JOYFUL LEARNING</b></p> <p><b>2) Calculate your own BMI.</b></p> <p><b>Brain storming session</b> (Sharing views)</p> <p><b>Topics covered;</b></p> <p>Non materialistic development ' The entire lockdown of the almost entire world gave many environmental changes for example clear canals of Venice rivers in Italy, big drop in air pollution regeneration of mother Earth etc ."</p> <p>Do you think that it is also a type of development?</p>
<b>The Rise of Nationalism in Europe.</b>	<ul style="list-style-type: none"> <li>• The French Revolution and the Idea of the Nation</li> <li>• The Making of Nationalism in Europe</li> </ul>	<p>Enable the learners to identify and comprehend the forms in which nationalism developed along with the formation of nation states in Europe in the post-1830 period.</p>	<p>Video</p> <ul style="list-style-type: none"> <li>• French Revolution</li> <li>• Germany unification</li> <li>• Italy Unification</li> <li>• Greek war of Independence</li> </ul>	<p><b>ART INTEGRATION</b></p> <p>1) Prepare an allegory of your country. <b>Map work</b></p> <p>2) Plot the changes drawn up by the Vienna Congress on the Map of Europe.</p>

	<ul style="list-style-type: none"> <li>• The Age of Revolutions: 1830-1848</li> <li>• The Making of Germany and Italy</li> <li>• Visualizing the Nation</li> <li>• Nationalism and Imperialism</li> </ul>	<ul style="list-style-type: none"> <li>• Establish the relationship and bring out the difference between European nationalism and anti-colonial nationalisms.</li> </ul> <p>Understand the way the idea of nationalism emerged and led to the formation of nation states in Europe and elsewhere.</p>		
<b>MAY</b>				
<b>Water Resources</b>	<ul style="list-style-type: none"> <li>• Water Scarcity and The Need for Water Conservation and Management</li> <li>• Multi-Purpose River Projects and Integrated Water Resources Management</li> <li>• Rainwater Harvesting</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Rain water harvesting system in India</li> </ul>	<p style="text-align: center;"><b>RESEARCH WORK</b></p> <ol style="list-style-type: none"> <li>1) Collect more information on the wildlife and national parks of India.</li> <li>2) MAP WORK</li> </ol>
<b>: Democracy and Diversity</b>	<ul style="list-style-type: none"> <li>• Case Studies of Mexico</li> <li>• Differences, similarities and divisions</li> <li>• Politics of social divisions</li> </ul>	<ul style="list-style-type: none"> <li>• Analyse the relationship between social cleavages and political competition with reference to Indian situation.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Overlapping and Crosscutting differences</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Art Integration</b> o Draw or collect some images of social divisions in different aspects of life. Can you think of some examples of social division or discrimination in the field of sports?</li> </ul>
<b>JULY</b>				
<b>Federalism</b>	<ul style="list-style-type: none"> <li>• What is Federalism?</li> <li>• What make India a Federal Country?</li> </ul>	<ul style="list-style-type: none"> <li>• Helps to understand the need of local government,</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Federalism</li> </ul>	<p style="text-align: center;"><b>RESEARCH WORK</b></p> <ol style="list-style-type: none"> <li>1) Find out about the local government in the village or town you live in.</li> </ol>

	<ul style="list-style-type: none"> <li>• How is Federalism practiced?</li> <li>• Decentralization in India</li> </ul>			
<b>Sectors of Indian Economy.</b>	<ul style="list-style-type: none"> <li>• Sectors of Economic Activities</li> <li>• Comparing the three sectors</li> <li>• Primary, Secondary and Tertiary Sectors in India</li> <li>• Division of sectors as organized and unorganized sectors</li> <li>• In terms of ownership: Public and Private Sectors</li> </ul>	<ul style="list-style-type: none"> <li>• Identify major employment generating sectors.</li> <li>• Reason out the government investment in different sectors of economy.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Sectors of the Indian Economy</li> <li>• Organized and Unorganized Sector</li> </ul>	<p><b>PICTURE INTERPRETATION</b></p> <ol style="list-style-type: none"> <li>1) Activity on page no 21 (NCERT)</li> </ol> <p><b>JOYFUL LEARNING</b></p> <ol style="list-style-type: none"> <li>2) Note your classmate father's occupation and classify them.</li> </ol>
<b>The Print Culture and the Modern World</b>	<ul style="list-style-type: none"> <li>• The First Printed Books Print Comes to Europe</li> <li>• The Print Revolution and its Impact</li> <li>• The Reading Mania</li> <li>• The Nineteenth Century</li> <li>• India and the World of Print</li> <li>• Religious Reform and Public Debates</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the link between print culture and the circulation of ideas.</li> <li>• Familiarize with pictures, cartoons, extracts from propaganda literature and newspaper debates on important events and issues in the past.</li> <li>• Understand that forms of writing have a specific history, and that they reflect historical changes within society and shape the forces of change</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Print in Europe and Gutenberg</li> <li>• Printing Press Print in India</li> </ul>	<p><b>ART INTEGRATION</b></p> <ol style="list-style-type: none"> <li>1) You are a bookseller advertising the availability of new cheap printed books. Design a poster for your shop window.</li> </ol>

	<ul style="list-style-type: none"> <li>• New Forms of Publication Print and Censorship</li> </ul>			
<b>Agriculture</b>	<ul style="list-style-type: none"> <li>• Types of farming</li> <li>• Cropping Pattern</li> <li>• Major Crops</li> <li>• Technological and Institutional Reforms</li> <li>• Impact of Globalization on Agriculture</li> </ul>	<ul style="list-style-type: none"> <li>• Explain the importance of agriculture in national economy.</li> <li>• Identify various types of farming and discuss the various farming methods; describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern.</li> <li>• Explain various government policies for institutional as well as technological reforms since independence.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Different Cropping patterns in India</li> <li>• Rubber plantation and cotton cultivation</li> </ul>	<b>JOYFUL LEARNING</b> <ol style="list-style-type: none"> <li>1) List the items which are made of rubber and are used by us.</li> <li>2) PLANTATION</li> </ol>
<b>AUGUST</b>				
<b>Nationalism in India.</b>	<ul style="list-style-type: none"> <li>• The First World War, Khilafat and Non-Cooperation</li> <li>• Differing Strands within the Movement</li> <li>• Towards Civil Disobedience</li> <li>• The Sense of Collective Belonging</li> </ul>	<ul style="list-style-type: none"> <li>• Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil Disobedience Movement.</li> <li>• Analyze the nature of the diverse social movements of the time.</li> <li>• Familiarize with the writings and ideals of different political groups and individuals.</li> <li>• Appreciate the ideas promoting Pan Indian belongingness.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Jallianwala Bagh Massacre</li> <li>• Non co-operation movement</li> </ul> Civil dis obedience Movement	<b>RESEARCH WORK</b> <ol style="list-style-type: none"> <li>1) Find out about other participants in the National Movement who were captured and put to death by the British.</li> </ol>

<b>Minerals and Energy Resources</b>	<ul style="list-style-type: none"> <li>• What is a mineral?</li> <li>• Mode of occurrence of Minerals</li> <li>• Ferrous and Non-Ferrous Minerals</li> <li>• Non-Metallic Minerals</li> <li>• Rock Minerals</li> <li>• Conservation of Minerals</li> <li>• Energy Resources</li> <li>• Conventional and Non-Conventional</li> <li>• Conservation of Energy Resources</li> </ul>	<ul style="list-style-type: none"> <li>• Identify different types of minerals and energy resources and places of their availability</li> <li>• Feel the need for their judicious utilization</li> </ul>	Video <ul style="list-style-type: none"> <li>• Occurrence of Mineral</li> <li>Conventional and Non-conventional resources</li> </ul>	<b>RESEARCH WORK</b> 1) From the map identify a thermal power station in your state and also name the fuel that is used there.
<b>Gender Religion and Caste.</b>	<ul style="list-style-type: none"> <li>• Gender and Politics</li> <li>• Religion, Communalism and Politics</li> <li>• Caste and Politics</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and analyse the challenges posed by communalism to Indian democracy.</li> <li>• Recognise the enabling and disabling effects of caste and ethnicity in politics.</li> <li>• Develop a gender perspective on politics.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Women discrimination and empowerment</li> <li>• Communalism and caste in politics</li> </ul>	<b>EXPERIENTIAL LEARNING</b> 1) Talk to all the adult members of your family ask about the discrimination they face in their daily life.
<b>Money and Credit</b>	<ul style="list-style-type: none"> <li>• Money as a medium of exchange</li> <li>• Modern forms of money</li> <li>• Loan activities of Banks</li> <li>• Two different credit situations</li> <li>• Terms of credit</li> </ul>	<ul style="list-style-type: none"> <li>• Understand money as an economic concept.</li> <li>• Understand the role of financial institutions from the point of view of day-to-day life.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Terms of Credit</li> <li>Formal and Informal sectors</li> </ul>	<b>JOYFUL LEARNING</b> 1) Classify the people into two groups based on whom you think might get a bank loan and those who might not and complete the table (NCERT Pg 53) 2) Activity on the payment by cheque 3) Make a SELF HELP GROUP of your class

	<ul style="list-style-type: none"> <li>Formal sector credit in India</li> <li>Self Help Groups for the Poor</li> </ul>			
<b>SEPTEMBER</b>				
<b>Manufacturing Industries</b>	<ul style="list-style-type: none"> <li>Importance of manufacturing</li> <li>Contribution of Industry to National Economy</li> <li>Industrial Location</li> <li>Classification of Industries</li> <li>Spatial distribution</li> <li>Industrial pollution and environmental degradation</li> <li>Control of Environmental Degradation</li> </ul>	<ul style="list-style-type: none"> <li>Bring out the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas.</li> <li>Discuss the need for a planned industrial development and debate over the role of government towards sustainable development.</li> </ul>	Video <ul style="list-style-type: none"> <li>Classification of Industries and Industrial pollution.</li> </ul>	<b>ART INTEGRATION</b> <ol style="list-style-type: none"> <li>Prepare a concept map</li> </ol> <b>RESEARCH WORK</b> <ol style="list-style-type: none"> <li>Collect information about steel plants located in your State and show them on the Map of India</li> </ol>
<b>Popular Struggles and Movements</b>	<ul style="list-style-type: none"> <li>Popular Struggles in Nepal and Bolivia</li> <li>Mobilization and Organization</li> <li>Pressure Groups and Movements</li> </ul>	<ul style="list-style-type: none"> <li>Understand the vital role of people's struggle in the expansion of democracy.</li> </ul>	Video <ul style="list-style-type: none"> <li>Nepal Democracy and Bolivia water war.</li> </ul>	<ul style="list-style-type: none"> <li><b>Art Integration</b> o Follow the news on any news TV channel for one week. Make a note of news related to pressure groups or movements representing the following sectors or sections: farmers, traders, labour, industry, environment and women.</li> </ul>
<b>OCTOBER</b>				
<b>AGE OF INDUSTRIALISATION</b>	<ul style="list-style-type: none"> <li>The Pre-modern world</li> <li>The Nineteenth Century (1815-1914)</li> </ul>	<ul style="list-style-type: none"> <li>The Pre-modern world</li> <li>The Nineteenth Century (1815-1914)</li> <li>The Inter war Economy</li> </ul>	Video <ul style="list-style-type: none"> <li>World Economy</li> <li>Rinderpest</li> <li>Indian Trade and</li> </ul>	<b>RESEARCH WORK</b> <ol style="list-style-type: none"> <li>Find out more about gold and diamond mining in South Africa in the nineteenth century.</li> </ol>

	<ul style="list-style-type: none"> <li>The Inter war Economy</li> </ul>		Colonialism	
<b>Lifelines of National Economy</b>	<ul style="list-style-type: none"> <li>Transport- Roadways, Railways, Pipelines, Waterways, Airways</li> <li>Communication</li> <li>International Trade</li> <li>Tourism as a Trade</li> </ul>	<ul style="list-style-type: none"> <li>Explain the importance of transport and communication in the ever-shrinking world.</li> <li>Understand the role of trade and tourism in the economic development of a country.</li> </ul>	Video <ul style="list-style-type: none"> <li>Golden Quadrilateral</li> <li>Indian Railways and Waterways</li> </ul>	<ol style="list-style-type: none"> <li><b>JOYFUL LEARNING:</b> Find out the current Railway zones and their headquarters. Also locate the headquarters of Railway zones on the map of India.</li> <li><b>MAP WORK:</b> All the prescribed points given by CBSE.</li> <li><b>RESEARCH WORK:</b> Students will be asked to write the pin code of their locality and categorized their pin code on the basis of their zone, state, individual post office.</li> <li><b>Brainstorming session:</b> Students will be asked to give feasible ideas for the improvement on the transportation of Moradabad.</li> </ol>
<b>Challenges to Democracy</b>	<ul style="list-style-type: none"> <li>Thinking about challenges</li> <li>Thinking about Political Reforms</li> <li>Redefining democracy</li> </ul>	<ul style="list-style-type: none"> <li>Reflect on the different kinds of measures possible to deepen democracy.</li> <li>Promote an active and participatory citizenship.</li> </ul>	Video <ul style="list-style-type: none"> <li>Challenges of Democracy</li> </ul>	<b>Art Integration</b> Case and Context with description of challenge (NCERT – Pg. 103, 104)
<b>NOVEMBER</b>				
<b>Political Parties</b>	<ul style="list-style-type: none"> <li>Why do we need Political Parties?</li> <li>How many Parties should we have?</li> <li>National Political Parties and State Parties</li> </ul>	<ul style="list-style-type: none"> <li>Analyse party systems in democracies.</li> <li>Introduction to major political parties, challenges faced by them and reforms in the country.</li> </ul>	Video <ul style="list-style-type: none"> <li>Summary of 2019 elections</li> <li>Political parties in India.</li> </ul>	<b>JOYFUL LEARNING</b> <ol style="list-style-type: none"> <li>Find one photograph or news clipping from your own area for each of the functions.</li> <li>Prepare the manifesto of your own.</li> </ol>

	<ul style="list-style-type: none"> <li>• Challenges to Political Parties</li> <li>• How can Parties be reformed?</li> </ul>			
<b>Globalization &amp; the Indian Economy</b>	<ul style="list-style-type: none"> <li>• Production across countries</li> <li>• Interlinking production across countries</li> <li>• Foreign Trade and integration of markets</li> <li>• What is globalization?</li> <li>• Factors that have enabled Globalisation</li> <li>• World Trade Organisation</li> <li>• Impact of Globalization on India</li> <li>• The Struggle for a fair Globalisation</li> </ul>	Explain the working of the Global Economic phenomenon.	Video <ul style="list-style-type: none"> <li>• Globalization</li> </ul> World Trade organisation	<b>1) JOYFUL LEARNING:</b> Take some branded products that we use daily (soaps, garments, electronic goods, etc.). Check which of these are produced by MNCs?
<b>DECEMBER</b>				
<b>Outcomes of Democracy</b>	<ul style="list-style-type: none"> <li>• How do we assess democracy's outcomes?</li> <li>• Accountable responsive and legitimate government</li> <li>• Economic growth and development</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluate the functioning of democracies in comparison to alternative forms of governments.</li> <li>• Understand the causes for continuation of democracy in India.</li> <li>• Distinguish between sources of strengths and weaknesses of Indian democracy.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Outcomes of Democracy</li> </ul>	1) Picture Interpretation (NCERT – Pg. 93)

	<ul style="list-style-type: none"><li>• Reduction of inequality and poverty</li><li>• Accommodation of social diversity</li><li>• Dignity and freedom of the citizens</li></ul>			
--	---	--	--	--

**JANUARY (REVISION AND PRE-BOARD EXAMINATION)**

## APP FOR CLASS 10 SCIENCE 2024-25

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical/ Investigatory Project	Assignment / Discussion
<b>April Topic:</b> Chemical reactions and equations	Chemical equation, Balanced chemical equation, types of chemical reaction, oxidation and reduction	Videos to show how to balance chemical equations	<b>Interdisciplinary linkage-</b> Math <b>Diagram-</b> oxidation reaction	<b>Practical-</b> Oxidation and reduction	1- Assignment on balancing the equations
Acid, bases and salts	General properties, xamples and uses of acids and bases, pH scale, baking and washing soda	Videos to show to work pH scale	<b>Interdisciplinary linkage-</b> Math	<b>Practical-</b> how to identify pH vale of different substances	1- Assignment on acids and bases 2- Assignment on pH scales
<b>May topic:</b> Metals and non metals	Properties of metals and non metals, reactivity series, corrosion and its preventions	Videos to show how metals corroded by air and water	<b>Diagram-</b> <b>corrosion</b>	-----	1- Assignment on metals and nonmetals
<b>July topic-</b> Carbon compound	Covalent bonding in carbon compound, versatile nature of carbon, homologous series , nomenclature of carbon compounds, saturated and	Videos to show versatile nature of carbon	-----	<b>Practical-</b> Versatile nature of carbon	1-Assignment on homologous series 2- Assignment on nomenclature

	unsaturated hydrocarbons				
<b>August topic-</b> Periodic classification of elements	Need of classification, classification of elements, modern periodic table, valency, atomic number	Videos to show periodic table	<b>Diagram-</b> groups and period in periodic table	<b>Practical-</b> depend on valency	1- Assignment on classification
World of living	Basic concept of nutrition, respiration, transport and excretion in plants and animals, introduction of plant hormones, nervous system. Reproduction in animals and plants. Safe sex vs HIV heredity, Mendels law	Videos to show reproduction, HIV.	<b>Diagram-</b> reproductive part of animals and plants, nervous system	<b>Practical-</b> depends on nervous system ans Mendels law	1- Assignment on nutrition 2-Assignment on reproduction
<b>September</b>		<b>HALF YEARLY EXAMINATION</b>			
<b>October topic-</b> Natural phenomena	Reflection of light, image formed by spherical mirrors, principle focus, focal length, power of a lens, refraction of light through a prism, scattering of light ,applecations in daily life	Videos to show reflection and refraction	<b>Diagram-</b> eye, focal length, concave and convex mirror	<b>Practical-</b> different images of mirror	1-Assignment of reflection and refraction 2- focal length

<b>October</b> <b>topic-</b> Effect of current	Electric current, Ohm's law, resistance, series combination of resistors, parallel combination of resistors and its applications in daily life, electric power	Videos to show how to flow current	<b>Interdisciplinary-</b> Math <b>Diagram-</b> depends on Ohm's law	<b>Practical-</b> depends on ohm's law	1- Assignment on current 2- Assignment on Ohm's law
<b>November</b> <b>topic-</b> Natural resources	Different forms of energy, conventional and non conventional sources of energy, fossil fuels, eco-system, ozone depletion, biodegradable and non biodegradable substances, water harvesting	Videos to show eco-system, ozone depletion, water harvesting	<b>Diagram-</b> eco-system. Water harvesting	<b>Practical-</b> Biodegradable and non biodegradable	1- different forms of energy 2- water harvesting
<b>December</b>		<b>Pre board</b>	<b>examination</b>		
<b>January</b>	revision				
<b>February</b>	revision				
<b>March</b>		<b>Annual</b>	<b>Examination</b>		