

MSM ENGLISH SCHOOL, MALKAPUR

Academic Session 2020-2021
CLASS – 10TH SUBJECT - ENGLISH

Sr. No.	Month	Chapter/Lesson	Week-wise Learning Objective
1	April	A Letter to God	<p><u>Week 1</u> Students will be able to:</p> <ul style="list-style-type: none"> • To read and comprehend the text. • To refer the dictionary for the meaning of the words. • To skim and scan the text to answer the questions. • Improve the vocabulary. <p><u>Week 2</u></p> <ul style="list-style-type: none"> • Express the views clearly. • Improve listening skill. • To be able to write a short paragraph on how to save water and its need.
2		Dust of Snow	<p><u>Week 3</u></p> <ul style="list-style-type: none"> • Students will be able to enjoy the beauty of the poem. • To learn the use of poetic devices. • To summarize poem. • Refer the dictionary to understand the meaning of the difficult words. • To skim and scan.
3		Fire and Ice	<p><u>Week 4</u></p> <ul style="list-style-type: none"> • To enjoy the beauty of the poem. • To learn the use of poetic devices. • To understand the rhyming scheme and rhythm and meter. • To refer dictionary to find meaning of the new words.
4	May	Nelson Mandela – A Long Walk to the Freedom	<p><u>Week 1</u> Students will be able to -</p> <ul style="list-style-type: none"> • To read, learn to understand the lesson about Nelson Mandela and the history of South Africa • Answer the questions. • To refer dictionary to improve vocabulary. • Learn the use of definite article. <p><u>Week 2</u></p> <ul style="list-style-type: none"> • Idiomatic expression. • Write a paragraph in fluent language. • To skim and scan the text.
5	June	A Tiger in the Zoo	<p><u>Week 1</u> Students will be able to -</p> <ul style="list-style-type: none"> • To recite the poem • To understand the poetic devices used in the poem • To refer the dictionary to improve the vocabulary • To write a paragraph on the wild animals. • To read, enjoy and understand the poem and answer the

			questions.
6		A Triumph of Surgery	<u>Week 2</u> <ul style="list-style-type: none"> To read and understand the text. To skim and scan the text. Understand the effect of over pampering. To paraphrase the story.
7		The Thief's Story	<u>Week 3</u> <ul style="list-style-type: none"> To read and understand the text. Learn the value of honesty and trust. Learn to express own opinion about the people and events happening around us in regular basis. To skim and scan the text. To refer dictionary to improve vocabulary. To write a paragraph on 'A mysterious event happened in your real life'.
8		His First Flight	<u>Week 4</u> <ul style="list-style-type: none"> To skim and scan the text. To read and understand the text. To refer dictionary to improve vocabulary. Speak fluently and express opinion. Develop creativity. To write a diary entry about the efforts you made to learn to ride a bicycle where you succeeded after a lot of hard work.
9	July	The Black Aeroplane	<u>Week 1</u> Students will be able to - <ul style="list-style-type: none"> To read and understand the story. To use the phrasal verb. To skim and scan the text. To read and understand the text. To refer dictionary to improve vocabulary. Write a short story about own experience that can be considered super natural. Share the super natural experiences that you ever had in your life.
10		The Ball Poem	<u>Week 2</u> <ul style="list-style-type: none"> Read poems effectively. To read, enjoy and understand the poem and answer the questions. To understand the value of responsibility. To skim and scan the text. To respond to the instruction. To communicate accurately using appropriate grammatical forms. Write your own experiences where you carried out the responsibility handed over to you by teachers, elders and friends.
11		From the Diary of Anne Frank	<u>Week 3</u> <ul style="list-style-type: none"> To learn about the life of Jews who were under the rule of cruel Hitler.

			<ul style="list-style-type: none"> • To understand the Holocaust and the treatment given to the Jews and taken them to the concentration camps. • To learn the phrasal verbs. • To understand how to form compound words. • To understand the use of idioms in spoken english. • Express one's views. • Develop listening skill. • Develop creativity.
12	August	The Hundred Dresses 1 and 2	<p><u>Week 4</u></p> <ul style="list-style-type: none"> • To understand the story. • To skim and scan • Develop a skit and story from dialogues. • To answer the questions. <p><u>Week 1</u></p> <ul style="list-style-type: none"> • Learn not to judge others from their appearances. because appearances are always deceptive. • Identify detail character sequence of ideas while reading. • Develop reading skill. • Write an email and diary entry. • To use direct and indirect speech.
13		Footprints without Feet	<p><u>Week 2</u></p> <ul style="list-style-type: none"> • To read and understand the story and answer the questions. • To enact a role play. • To write a story on a mysterious incident happened in your real life. • Ask questions in different situations. • To listen to the audio and answer the questions in order to improve the listening skill.
14		The Making of Scientist	<p><u>Week 3</u></p> <ul style="list-style-type: none"> • To read and understand the text. • Learn the importance of science and technology. • Learn to express own opinion about the people and events happening around us in regular basis. • To skim and scan the text. • To refer dictionary to improve vocabulary. • To write a paragraph on "Scientific Experiment".
15		The Necklace	<p><u>Week 4</u></p> <ul style="list-style-type: none"> • To respond to instructions. • To engage the students in conversation. • To narrate a story. • To read and comprehend • To develop a skit and story from dialogues. • To read and understand the story and answer the questions.
16	September	Glimpses of India	<p><u>Week 1</u></p> <p>Students will be able to -</p> <ul style="list-style-type: none"> • To read and understand the text and answer the questions. • To communicate accurately using appropriate grammatical

			<p>forms.</p> <ul style="list-style-type: none"> • Use the collocations correctly. • To skim and scan • Learn to prepare a fact file. <p><u>Week 2</u></p> <ul style="list-style-type: none"> • To understand the different languages, cultures, customs and different way of living in different states of india. • To refer dictionary to improve vocabulary. • To read and understand the story and answer the questions. • To read and understand the story and answer the questions. • To learn to form adjectives using the suffixes ‘ed’ and ‘ing’ .
23		The Hack Driver	<p>Week 3</p> <ul style="list-style-type: none"> • English and the culture they reflect. • To develop creativity and curiosity through extensive reading. • To facilitate self learning to enable to become independent learner. • To review, organize and edit their own work, nd work of their peers. <p>Week 4</p> <ul style="list-style-type: none"> • Participate in debate and group discussion • Give a brief description of events. • Retell the contents of audio text. • Narrate the story. • Write summary of short lectures on familiar topics. • To understand that the story is about a young lawyer who is too innocent.
24	October	Madam Rides the Bus	<p><u>Week 1</u></p> <p>Students will be able to -</p> <ul style="list-style-type: none"> • To read and understand the text • Speak gently and nicely to and about people you meet • Write about how to make road travel safer and more enjoyable. • Use dictionary to improve vocabulary. • To skim and scan. <p><u>Week 2 -</u></p> <ul style="list-style-type: none"> • To communicate with proper intonation to express the mood while speaking. • To use adjectives and adjectival phrases while describing the incidents, events and characters. • To write a biographical sketch. • To write a report.
25	Oct.	The Tale of Custard the Dragon	<p>Week 3</p> <ul style="list-style-type: none"> • To learn and understand that The Tale of Custard the Dragon is a humorous poem written by Ogden Nash. • It is written in ballad form. It narrates a story about Custard the Dragon.

			<ul style="list-style-type: none"> To recite the poem with proper modulation and intonation. To understand the poetic devices used in the poem <p>Week 4</p> <ul style="list-style-type: none"> To engage the students in conversation. To understand the rhyming scheme, rhythm and meter of the poem. Use dictionary to improve vocabulary. To use modal and auxiliary verbs in a proper way for effective communication. To understand the difference between being coward and courageous.
26	November	The Sermon at Benares	<p>Week 1</p> <p>Students will be able to -</p> <ul style="list-style-type: none"> To learn and understand that 'The Sermon at Benares' is written by Betty Renshaw. Express one's views clearly. Use of semi colon and dash Write a paragraph on peace and universal fraternity. English and the culture the characters in the story reflect. To develop creativity and curiosity through extensive reading. <p>Week 2</p> <ul style="list-style-type: none"> To facilitate self learning to enable to become independent learner. To review, organize and edit their own work, and work of their peers. Give a brief description of events. Narrate the story. Write summary of short lectures on familiar topics.
27	December	Bholi	<p>Week 1</p> <p>Students will be able to -</p> <ul style="list-style-type: none"> To develop sensitivity to, and appreciation of, other varieties of English like Indian To facilitate self-learning to enable to become independent learner. Give a brief description of events. Narrate the story. To review, organize and edit their own work, and work of their peers. <p>Week 2</p> <ul style="list-style-type: none"> To develop creativity and curiosity through extensive reading. To use appropriate English to communicate in various social settings. To understand the major theme of the story Bholi is the impact of family on children. To learn a proper child development.
29		The Proposal	<p>Week 3</p> <ul style="list-style-type: none"> To understand The Proposal is a one-act play that begins with a young man, Lomov presenting a marriage proposal to his neighbour's daughter. To understand the use of various types of phrases and use them in writing. To understand the use of reported speech.

			<ul style="list-style-type: none"> To facilitate self-learning to enable to become independent learner. <p>Week 4</p> <ul style="list-style-type: none"> To write dialogues. To develop a skit and a story based on the characters and events happened in the drama. To skim and scan. To refer dictionary to improve the vocabulary. To develop creativity and curiosity through extensive reading. To narrate the story.
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Class- x Sub – Hindi (course B)
Learning objectives - 2020-21

Month	Lesson/chapter	Week wise learning objectives
April	<p>1. स्पर्श: पद्य 1 कबीर की साखी (कबीर)</p> <p>2. स्पर्श: गद्य 1 बड़े भाई साहब (प्रेमचंद)</p>	<p>Week-1 साहित्य के काव्य-विभाग की जानकारी देना। कविता का रसास्वादन करना। ब्रज भाषा को समाज सकने की योग्यता का विकास करना।</p> <p>week-2 नैतिक मूल्यों की और प्रेरित करना। प्राचीन कविता रचना का ज्ञान प्राप्त करना। कविता का केंद्रीय भाव अपने शब्द में लिखना।</p> <p>week-3 पाठ में वर्णित मानवतावादी विचारधारा को अपने जीवन में अपनाने की प्रेरणा देना। नए शब्द के अर्थ समजकर शब्द-भंडार में वृद्धि करना।</p> <p>week-4 व्यंग लेखन की विशेषताए समजना। पाठ का सारांश अपने शब्द में लिखना।</p>
May	<p>व्याकरण:</p> <p>1. वाक्य रूपांतरण</p> <p>2. पदबंध</p>	<p>Week-1 वाक्य सरचना को समजना तथा वाक्य रूपांतर करना।</p> <p>week-2 नए शब्द के अर्थ समजकर शब्द-भंडार में वृद्धि करना।</p>
June	<p>स्पर्श: पद्य 2 मीरा के पद (मीरा)</p>	<p>Week-1 छात्रों को कवयत्री (मीराबाई) एवं उनके साहित्य की जानकारी देना/ प्राचीन हिन्दी की मिश्र भाषा को समाज सकने की योग्यता का विकास करना।</p> <p>week-2 हिन्दी साहित्य के विकास क्रम के बारे में जानकारी एकत्रित करना। कविता का केंद्रीय भाव अपने शब्द में लिखना।</p>

	<p>संचयन: गद्य 1 हरिहर काका (मिथिलेश्वर)</p>	<p>Week-3 छात्रों को समाज एवं परिवार के बारे में जानकारी देना /समाज में व्याप्त विसंगतियों के बारे में सजग करवाना </p> <p>week-4 नैतिक मूल्यों की और प्रेरित करना कहानी को अपने दैनिक जीवन के संदर्भ में जोड़कर देखना </p>
July	<p>स्पर्श: गद्य खंड-3 तताँरा वामीरो (लीलाधर मंडलोई)</p> <p>व्याकरण: समास लेखन - विभाग अनुच्छेद - लेखन</p>	<p>Week-1 निकोबारी सभ्यता एवं परम्पराओं से छात्रों को परिचित कराना </p> <p>week-2 आदिवासी लोककथा तथा प्रेम से छात्रों को अवगत कराना </p> <p>Week-3 नए शब्द के अर्थ समझकर शब्द-भंडार में वृद्धी करना शब्द निर्माण की विधि को समजना </p> <p>week-4 शब्द-भंडार में वृद्धी करना</p>
August	<p>संचयन: गद्य 2 सपनों के से दिन (गुरदयाल सिंह)</p> <p>लेखन - विभाग पत्र- लेखन (औपचारिक)</p>	<p>Week-1 ग्रामीण विभाग के बच्चों की मानसिक दशा से अवगत करवाना समाज एवं परिवार की मुश्किलों का ज्ञान कराना week-2 गाँव के शैक्षणिक वातावरण की और ध्यान देना ग्रामीण परिवेश एवं व्यवहार की जानकारी देना </p> <p>Week-3 किसी ग्रामीण बच्चे के प्रारंभिक जीवन और शिक्षा के बारे में जानकारी एकत्रित करना मानवीय स्वभाव एवं व्यवहार की जानकारी देना </p> <p>week-4 पत्र-लेखन का महत्व समजना कम्प्यूटर के युग में भी पत्र लेखन का महत्व समजना </p>
September	<p>स्पर्श: पद्य खंड-4 मनुष्यता (मैथिलीशरणगुप्त)</p>	<p>Week-1 राष्ट्रीय भावनाओं को जागृत करना छात्रों एवं नवयुवकों का उत्साह साहस तथा स्वाभिमान को बढ़ावा देना </p> <p>Week-2 मनुष्य स्वभाव एवं व्यवहार की जानकारी देना नैतिक मूल्यों की और प्रेरित करना प्राणी-मात्र के प्रति करुणा,सहानुभूति,प्रेम आदि की भावना जागृत करना </p>

	<p>लेखन - विभाग विज्ञापन -लेखन</p> <p>व्याकरण: अशुद्ध वाक्यों का शोधन मुहावरे- वाक्य में प्रयोग [स्पर्श-संचयन पर आधारित]</p>	<p>Week-3 कल्पना शक्ति का विकास करना। व्यापारिक क्षेत्र में विज्ञापन का महत्व उजागर करना लेखन कौशल का विकास करना </p> <p>Week-3 लेखन कौशल्य को विकसित करना शब्द- संग्रह में वृद्धि करना संवाद कौशल को विकसित करना </p>
October	<p>स्पर्श: गद्य खंड-6 अब कहाँ दूसरों के दुख से दुखी होने वाले(निदा फ़ाजली)</p> <p>लेखन - विभाग संवाद- लेखन</p>	<p>Week-1 छात्रों को अपने परिवेश एवं प्रकृति के बारे में जानकारी देना धार्मिक ग्रंथों की प्राथमिक परिचय कराना </p> <p>Week-2 जिव-जंतु के प्रति करुणा ,सहानुभूति,प्रेम आदि की भावनाएँ जागृत करना </p> <p>Week-3 भाषिक कौशल्य का विकास करना। लेखन कौशल को विकसित करना </p> <p>Week-4 विराम चिन्ह का उचित प्रयोग करना</p>
November	<p>स्पर्श: गद्य खंड-8 कारतूस {एकांकी}</p>	<p>Week-1 साहित्य की विधा (एकांकी)की जानकारी देना। देश के प्रति भक्ति ,प्रेम आदि की भावना जागृत करना </p> <p>Week-2 छात्रों को अपने देश की लड़ाई के बारे में जानकारी देना। देश की आंतरिक एवं बाह्य समस्याओं को समझने का प्रयास करना </p>
December	<p>लेखन - विभाग सूचना -लेखन</p> <p>संचयन: गद्य 3 टोपी शुक्ला (राही मासूम रज़ा)</p>	<p>Week-1 कार्यालयीन कामकाज से छात्रों को परिचित कराना सूचना लेखन के विधा से अवगत करना।</p> <p>Week-2 बच्चों की मानसिक दशा से अवगत करना स्वयं कहानी लिखने की योग्यता का विकास करना </p> <p>Week-3 टोपी शुक्ला ,दादी इफ्फन जैसे चरित्र को समझना </p> <p>Week-4</p>

	<p>स्पर्श: पद्य खंड-8 कर चले हम फ़िदा (कैफ़ी आज़मी)</p>	<p>देश-प्रेम की भावना जागृत करना। साहित्यकार कैफ़ी आज़मी देशात्मबोधक आंतरिक भाओ को समझने का प्रयास करना। सैनिको के जीवन तथा उनकी भावनाओ से परिचित कराना</p>
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CLASS-X

SUB- Mathematics

MONTH	CHAPTER	WEEKWISE LEARNING OBJECTIVE.
April	Real Number	<p>Week 1- Students will be able to</p> <ul style="list-style-type: none"> To revisit number system from Natural number to Real Numbers. To recall Euclid's division lemma and Euclid's division algorithm <p>Week 2-</p> <ul style="list-style-type: none"> To understand the fundamental theorem of Arithmetic and to find HCF and LCM of two or three numbers. Verifying when a number expressed in the exponential form can end with digit zero(eg: can $6n$ end with digit 0). <p>Week 3-</p> <ul style="list-style-type: none"> To understand, for any two positive integers a, b $HCF(a, b) \times LCM(a, b) = a \times b$. To understand that if p is prime number and p divides a^2, $a > 0$ then p divides a. To prove irrationality of numbers-Proof by contradiction.. To revisit decimal expansion of real numbers To verify that the decimal expansion of every rational number is terminating or Non-terminating repeating.
April	Probability	<p>Week 4-</p> <ul style="list-style-type: none"> To differentiate between experimental probability and theoretical probability. To find the probability of a given event using the theoretical probability formula
May	Surface Area and volume	<p>Week 1-</p> <ul style="list-style-type: none"> To determine the surface area of an object formed by combining any two of the basic solids, namely, cuboid, cone, cylinder, sphere and hemisphere. <p>Week 2-</p> <ul style="list-style-type: none"> To find the volume of objects formed by

		<p>combining any two of the following namely cuboid, cone, cylinder, sphere and hemisphere.</p> <ul style="list-style-type: none"> To understand that the volume of a solid remains same after its conversion into another shape.
June	Areas related to circle	<p>Week 1</p> <ul style="list-style-type: none"> To calculate the area of a circle. To calculate the circumference of a circle. To calculate the length of an arc of a sector of a circle. <p>Week 2</p> <ul style="list-style-type: none"> To calculate the area of a sector of a circle. To calculate the area of a segment of a circle To calculate the area of combinations of plane figures.
June	Introduction to trigonometry	<p>Week 3</p> <ul style="list-style-type: none"> To find trigonometric ratios. <p>Week 4</p> <ul style="list-style-type: none"> Find trigonometric values for different angles.
July	Introduction to trigonometry	<p>Week 1</p> <ul style="list-style-type: none"> Can apply identities
July	Applications of trigonometry	<p>Week 2</p> <ul style="list-style-type: none"> To understand the use of studying trigonometry and the occupations in which this concept is used. To understand the concept and differentiate between line of sight, angle of elevation and angle of depression. To understand that when the observer moves towards the perpendicular distance the angle of elevation increases and moves away the angle of elevation decreases. To understand that the angle of elevation and angle of depression is always acute angles. To draw correct and appropriate figures to the verbal sums given. The skill of drawing accurate figures, skill of interpretation and skill of solving with appropriate method.
July	Linear Equation in two Variables	<p>Week 3</p> <ul style="list-style-type: none"> To identify and to understand the general form of a pair of linear equations in two variables. To represent and to solve a pair of linear equations in two variables graphically and algebraically. To understand the condition for consistency and inconsistency of a pair of linear equations in two

		<p>variables.</p> <p>Week 4</p> <ul style="list-style-type: none"> • To solve a pair of linear equations in two variables using substitution method, elimination method . • To interpret and to solve the word problems to a pair of linear equations in two variables • To identify and to solve the equations reducible to a pair of linear equations in two variables.
August	Quadratic equations	<p>Week 1-</p> <ul style="list-style-type: none"> • To identify the general form of a Quadratic Equation. • To understand the meaning of roots of a quadratic equation. • To understand the methods of solving quadratic equation. <ul style="list-style-type: none"> a) Factorisation method b) Completing the square method c) Using quadratic formula. <p>Week 2</p> <ul style="list-style-type: none"> • To understand the nature of roots of a quadratic equation. • Framing quadratic equation from a given word problem and solving it.
August	Polynomial	<p>Week1</p> <ul style="list-style-type: none"> • To remember general form of a quadratic polynomial in x as $ax^2 + bx + c$ and to analyze that the zeroes of a polynomial are the x-coordinate of the point where the graph of $y = p(x)$ intersects the x-axis. • To review and recall splitting middle term of a quadratic polynomial. • To Remember and interpret that if α, β, γ are the roots of the cubic polynomial their exist relation between them. <p>Week 2</p> <ul style="list-style-type: none"> • To Solve problems based on the relation between zeroes and the coefficient of the polynomial. • To Understand that given any polynomial $p(x)$ and any non-zero polynomial $g(x)$, there exists $q(x), r(x)$ such that $p(x) = q(x)g(x) + r(x)$ where $r(x) = 0$ or $\text{degree } r(x) < \text{degree } g(x)$.

		<ul style="list-style-type: none"> To Find the remaining zeroes of a bi quadratic polynomial if two of its zeroes are given
September	Triangle	<p>Week 1</p> <ul style="list-style-type: none"> To identify two similar triangles. To understand the Basic Proportionality Theorem & its converse <p>Week 2</p> <ul style="list-style-type: none"> To identify the Criteria of Similarity of triangles <ul style="list-style-type: none"> a) AA or AAA similarity criterion b) SAS similarity criterion c) SSS similarity criterion. To solve sums by using the above said theorems. <p>Week 3</p> <ul style="list-style-type: none"> To solve sums on Areas of Similar triangles. To prove Pythagoras theorem To identify the right triangle and its properties
October	Arithmetic Progression	<p>Week 1</p> <ul style="list-style-type: none"> To understand the concept of an Arithmetic progression. To identify terms and common difference in an A.P. To find the nth term of an A.P- an <ul style="list-style-type: none"> a) To find number of terms $_n^{\text{'}}$ b) To find the common difference $_d^{\text{'}}$ c) To find the first term $_a^{\text{'}}$ d) To check whether a number is a term of given A.P. To find the A.P. when two terms are given. <p>Week 2</p> <ul style="list-style-type: none"> To find the sum of $_n^{\text{'}}$ terms of an A.P. To find an when the general term S_n is given. To form an A.P. from a given situational problem and solve.
October	Co-ordinate geometry	<p>Week 3</p> <ul style="list-style-type: none"> To understand the terms abscissa, ordinate, quadrant. To understand a point on x-axis is (x,0) and a point on y-axis is (0,y) To find the distance between two points in a plane using distance formula.

		<ul style="list-style-type: none"> To find the type of triangle formed when the coordinates of 3 points are given. <p>Week 4</p> <ul style="list-style-type: none"> To find the type of quadrilateral formed when the coordinates of 4 points are given. To understand the condition for co-linearity. To understand the section formula and its corollary- midpoint formula and its applications. To understand the formula for finding area of a triangle in a plane and its applications
November	Circle	<p>Week 1</p> <ul style="list-style-type: none"> To understand, draw correct figures and prove the theorems related to tangents stepwise and with appropriate reasoning. A tangent at any point on a circle is perpendicular to the radius at the point of contact. The length of the tangents drawn from an external point to a circle are equal. <p>Week 2</p> <ul style="list-style-type: none"> To solve problems based on (a) Finding length of the tangent. Finding length of the tangent from an external point to a circle. To use appropriate theorems or properties. To draw neat and correct figures for the given verbal sums. To improve the skill of drawing, reasoning and select appropriate method for solving.
December	Statistics	<p>Week 1</p> <ul style="list-style-type: none"> To understand about the raw data, grouped data and ungrouped data. To know about measures of central tendency. To know how to calculate mean by (a) Direct Method (b) Assumed Mean Method <p>Week 2</p> <ul style="list-style-type: none"> To compute the median of a given data. <p>Week 3</p> <ul style="list-style-type: none"> To compute mode of the given data.
December	Construction	<p>Week 4</p> <ul style="list-style-type: none"> To construct tangents to a circle from an

		external point given. • To read and to understand the verbal sum given to construct and draw rough figures.
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Class: X

Subject: Science

MONTH	CHAPTER/ LESSON	WEEKWISE LEARNING OBJECTIVES
April	1. CHEMICAL REACTIONS AND EQUATIONS	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> express a chemical reaction through a chemical equation. <p>WEEK 2:</p> <ul style="list-style-type: none"> analyse and differentiate between various types of reactions. explain redox reaction, identify oxidizing and reducing agents. <p>WEEK 3:</p> <ul style="list-style-type: none"> provide examples for different types of chemical reactions. apply concepts learnt in everyday problems. <p>WEEK 4:</p> <ul style="list-style-type: none"> cite examples of oxidation in day to day life. Explain corrosion and rancidity and suggest ways to prevent them.
May	6. LIFE PROCESSES	<p>WEEK 1:</p> <p>Students will able to:</p> <ul style="list-style-type: none"> Understand the nutrition, respiration, transportation and excretion in plants and animals. <p>WEEK 2:</p> <ul style="list-style-type: none"> Critically analyze the various physiological processes related to plants and animals.

	<p>6.</p> <p>LIFE PROCESSES</p>	<p>WEEK 1:</p> <ul style="list-style-type: none"> • Appreciate the importance of different organs present in various systems and how effectively they collaborate with each other so that different systems can work effectively. <p>WEEK 2:</p> <ul style="list-style-type: none"> • Develop citizenship by visualizing and observing the given scenario (High B.P., Heart Failure, and Kidney Failure) in day to day lives.
<p>June</p>	<p>2. ACIDS, BASES AND SALTS</p>	<p>WEEK 3:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • compare Chemical properties of acids and bases, write equations and give illustration. • appreciate the importance of pH in daily life and apply neutralization / pH to solve problems in day to day life. • identify strong and weak acids and bases. <p>WEEK 4:</p> <ul style="list-style-type: none"> • describe preparation of different salts like bleaching powder, washing soda, baking soda, etc. and suggest their uses in day to day life. • to analyze and compare pH of solutions and find the chemical nature of given solution.

<p>July</p>	<p>8. HOW DO ORGANISMS REPRODUCE</p>	<p>WEEK 1:</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Understand the importance of reproduction for continuity of generation. • Understand the difference between asexual and sexual reproduction. <p>WEEK 2:</p> <ul style="list-style-type: none"> • Explain and draw the different modes of reproduction. • List the different methods and advantages of vegetative propagation. <p>WEEK 3:</p> <ul style="list-style-type: none"> • Explain the characteristic features of sexual reproduction. • Explain the method of sexual reproduction in angiosperm plants. • Understand and explain the process of puberty and development of secondary sexual characteristics in males and females. <p>WEEK 4:</p> <ul style="list-style-type: none"> • List the parts of human male and female reproductive system and their functions. • Understand the importance of reproductive health and of birth control. • Appreciate the role of government in banning prenatal sex determination.
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<p>September</p>	<p>13. MAGNETIC EFFECTS OF ELECTRIC CURRENT</p>	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Analyze the concept of magnetic field and demonstrate its presence using bar magnet. Also learn the properties of magnetic field lines. • Discuss magnetic field around a current carrying straight conductor, circular loop, circular coil, solenoid <p>WEEK 2:</p> <ul style="list-style-type: none"> • Find force on a current carrying conductor in a magnetic field. State Fleming's Left Hand rule and describe and apply the principle of working of electric motor. • Explain and apply concept of electromagnetic induction. State Fleming's Right hand rule.
	<p>9. HEREDITY</p>	<p>WEEK 3:</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Critically analyze the importance of sexual reproduction as an element of genetic variation. • Understand Mendel's laws of inheritance and give examples of mono hybrid and dihybrid cross. <p>WEEK 4:</p> <ul style="list-style-type: none"> • Understand the chromosomal combination for sex determination in human beings.

<p>October</p>	<p>10. LIGHT – REFLECTION AND REFRACTION</p>	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Compare spherical Mirrors (Concave and Convex mirror) <p>WEEK 2:</p> <ul style="list-style-type: none"> • Draw ray diagrams for image formation by Spherical Mirrors. • Solve numerical based on mirror formula. <p>WEEK 3:</p> <ul style="list-style-type: none"> • Define reflection and refractive index and state the laws of reflection of light. • Compare spherical lenses (Concave and Convex lens) • Solve numerical based on lens formula.
	<p>11. HUMAN EYE AND COLOURFUL WORLD</p>	<p>WEEK 4:</p> <ul style="list-style-type: none"> • Understand and analyze the phenomenon like Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life
<p>November</p>	<p>4. CARBON AND ITS COMPOUNDS</p>	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Define and explain different types of covalent bond and their formation with examples. • State the reasons behind versatile nature of carbon: Catenation and Tetravalency. • Explain the concept of allotropy and different allotropes of carbon. Distinguish between diamond and graphite.

		<p>WEEK 2:</p> <ul style="list-style-type: none"> • Differentiate between saturated and unsaturated carbon compounds. • Write the structure of isomers of butane and pentane. • Define the terms functional groups and homologous series.
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December	<p>5. PERIODIC CLASSIFICATION OF ELEMENTS</p>	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Aware of importance of classification and explain earlier attempts of classification of elements, state Doberniener's law of Newlands law of Octaves and Mendeleev's periodic law. <p>WEEK 2:</p> <ul style="list-style-type: none"> • Critically analyze and identify the position of an element in the periodic table based on their electronic configuration. • Predict the variation in attributes of elements based on position in the periodic table. •
	<p>15. OUR ENVIRONMENT</p>	<p>WEEK 3:</p> <ul style="list-style-type: none"> • Explain the various trophic levels of food chain. • Construct the food chains and food webs from a given list of organisms. <p>WEEK 4:</p> <ul style="list-style-type: none"> • Identify the causes of various environmental problems. • Differentiate between biodegradable and non-biodegradable substances.

ACADEMIC SESSION: 2020-21

Class: X

Subject: Social Science

MONTH	CHAPTER/ LESSON	WEEKWISE LEARNING OBJECTIVES
April	<p>Geo. 1 Resources and Development</p> <ul style="list-style-type: none"> ☐ Types of Resources ☐ Development of Resources ☐ Resource Planning in India ☐ Land Resources ☐ Land Utilization ☐ Land Use Pattern in India ☐ Land Degradation and Conservation Measures ☐ Soil as a Resource ☐ Classification of Soils ☐ Soil Erosion and Soil Conservation <p>Pol. 1. Power Sharing</p> <ul style="list-style-type: none"> ☐ Case Studies of Belgium and Sri Lanka ☐ Why power sharing is desirable? ☐ Forms of Power Sharing 	<p>Week 1- Students will be able to</p> <ul style="list-style-type: none"> • Explain the value of resources and the need for their Judicious utilization and conservation <p>Week 2- Students will be able to</p> <ul style="list-style-type: none"> • Describe the land use pattern of India. • Describe the causes of soil erosion and suggest measures to stop soil erosion. • Explain the different types of soils present in India. <p>Week 3: Students will be able to:</p> <ul style="list-style-type: none"> • Describe the ethnic composition of Belgium and Sri Lanka • Familiarize with the centrality of power sharing in a democracy. <p>Week 4: Students will be able to:</p> <ul style="list-style-type: none"> • Describe the working of spatial and social power sharing mechanisms. • Explain the types of power sharing.
May	<p>Eco.1. Development</p> <ul style="list-style-type: none"> ☐ What Development Promises- Different people different goals ☐ Income and other goals ☐ National Development ☐ How to compare different countries or states? ☐ Income and other criteria ☐ Public Facilities ☐ Sustainability of Development 	<p>WEEK 1: Students will be able to:</p> <ul style="list-style-type: none"> • Familiarize with concepts of macroeconomics. • Discuss and explain the overall human development in our country, which includes the rise of income, improvements in health and education rather than income. <p>WEEK 2: Students will be able to:</p> <ul style="list-style-type: none"> • Describe the importance of Quality of life and plan for sustainable development
June	<p>Pol.2. Federalism</p> <ul style="list-style-type: none"> ☐ What is Federalism? ☐ What make India a Federal Country? 	<p>WEEK 1: Students will be able to:</p> <ul style="list-style-type: none"> • Explain the features of federalism. • Distinguish between federal and unitary

	<p>☐ How is Federalism practiced? ☐ Decentralization in India</p> <p>Eco.2. Sectors of the Indian Economy:</p> <p>☐ Sectors of Economic Activities ☐ Comparing the three sectors ☐ Primary, Secondary and Tertiary Sectors in India ☐ Division of sectors as organized and unorganized ☐ Sectors in terms of ownership: Public and Private Sectors</p>	<p>form of government.</p> <p>WEEK 2:</p> <ul style="list-style-type: none"> Analyze federal provisions and institutions. Explain decentralization in rural and urban areas. <p>WEEK 3:</p> <ul style="list-style-type: none"> Identify major employment generating sectors. <p>WEEK 4:</p> <ul style="list-style-type: none"> Reason out the government investment in different sectors of economy.
July	<p>His.1. The Rise of Nationalism in Europe</p> <p>☐ The French Revolution and the Idea of the Nation ☐ The Making of Nationalism in Europe ☐ The Age of Revolutions:1830-1848 ☐ The Making of Germany and Italy ☐ Visualizing the Nation ☐ Nationalism and Imperialism.</p> <p>His.3. Nationalism in India:</p> <p>☐ The First World War, Khilafat and Non- Cooperation ☐ Differing Strands within the Movement ☐ Towards Civil Disobedience ☐ The Sense of Collective Belonging.</p>	<p>WEEK 1: Students will be able to :</p> <ul style="list-style-type: none"> 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. Establish the relationship and bring out the difference between European nationalism and anti-colonial nationalisms. <p>WEEK 2:</p> <ul style="list-style-type: none"> Summarize the way the idea of nationalism emerged and led to the formation of nation states in Europe and elsewhere. <p>WEEK 3: Students will be able to :</p> <ul style="list-style-type: none"> Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil Disobedience Movement. Analyze the nature of the diverse social movements of the time. <p>WEEK 4:</p> <ul style="list-style-type: none"> Familiarize with the writings and ideals of different political groups and individuals.

		<ul style="list-style-type: none"> • Appreciate the ideas promoting Pan Indian belongingness.
August	<p>Geo. Agriculture</p> <ul style="list-style-type: none"> ☑ Types of farming ☑ Cropping Pattern ☑ Major Crops ☑ Technological and Institutional Reforms ☑ Impact of Globalization on Agriculture <p>Eco. Money and Credit</p> <ul style="list-style-type: none"> ☑ Money as a medium of exchange ☑ Modern forms of money ☑ Loan activities of Banks ☑ Two different credit situations ☑ Terms of credit ☑ Formal sector credit in India ☑ Self Help Groups for the Poor 	<p>WEEK 1</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Explain the types of farming practices in India. • Describe the cropping pattern . <p>WEEK 2:</p> <ul style="list-style-type: none"> • Compare the major crops in India. • Analyze the technological and institutional reforms in agricultural sector. <p>WEEK 3:</p> <ul style="list-style-type: none"> • Explain money as an economic concept. • Describe the role of financial institutions from the point of view of day-to- day life. <p>WEEK 4:</p> <ul style="list-style-type: none"> • Compare formal and informal credit. • Judge the role of government in promoting rural economy.
September	<p>Geo.6. Manufacturing Industries</p> <ul style="list-style-type: none"> ☑ Importance of manufacturing ☑ Contribution of Industry to National Economy ☑ Industrial Location ☑ Classification of Industries ☑ Spatial distribution ☑ Industrial pollution and environmental degradation ☑ Control of Environmental Degradation <p>7. Life Lines of National Economy</p> <ul style="list-style-type: none"> ☑ Transport - Roadways, Railways, Pipelines, Waterways, Airways ☑ Communication ☑ International Trade 	<p>WEEK 1:</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Bring out the importance of industries in the national economy. • Explain the regional disparities which resulted due to concentration of industries in some areas. <p>WEEK 2:</p> <ul style="list-style-type: none"> • Discuss the need for a planned Industrial development. • Debate over the role of government towards sustainable development. <p>WEEK 3:</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Explain the importance of transport and communication in the ever-shrinking world. <p>WEEK 4:</p>

	<ul style="list-style-type: none"> ☐ Tourism as a Trade 	<ul style="list-style-type: none"> • Describe national and international trade. • Analyze the role of trade and tourism in the economic development of a country.
October	<p>Pol.6.Political Parties</p> <ul style="list-style-type: none"> ☐ Why do we need Political Parties? ☐ How many Parties should we have? ☐ National Political Parties ☐ State Parties ☐ Challenges to Political Parties ☐ How can Parties be reformed? <p>His. 4. The Age of Industrialization</p> <ul style="list-style-type: none"> ☐ Before the Industrial Revolution ☐ Hand Labour and Steam Power ☐ Industrialization in the colonies ☐ Factories Come Up ☐ The Peculiarities of Industrial Growth ☐ Market for Goods 	<p>WEEK 1:</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Analyze partysystems in democracies. • Familiarize to major political parties, <p>WEEK 2:</p> <ul style="list-style-type: none"> • Interpret challenges faced by them and suggest reforms in the country. <p>WEEK 3:</p> <p>Students will be able to :</p> <ul style="list-style-type: none"> • Familiarize with the Pro- to-Industrial phase and Early-factory system. • Familiarize with the process of industrialization and its impact on labour class. <p>WEEK 4:</p> <ul style="list-style-type: none"> • Describe industrialization in the colonieswith reference to Textile industries
November	<p>Project work</p> <p>Map Practice History - Nationalism in India Geography – All lessons</p>	<p>WEEK 3:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Gain an insight and pragmatic understanding of the theme • See all the Social Science disciplines from interdisciplinary perspective. • Enhance the Life Skills. <p>WEEK 4:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Locate different places of Congress sessions. • Locate dams , industries ,minerals , software parks etc. on the map of India.
December	<p>Pol. 7. Outcomes of Democracy</p> <ul style="list-style-type: none"> ☐ How do we assess democracy's outcomes? ☐ Accountable, responsive and 	<p>WEEK 1:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Evaluate the functioning of democracies in comparison to alternative forms of

	<p>legitimate government</p> <ul style="list-style-type: none"> ☑ Economic growth and development ☑ Reduction of inequality and poverty ☑ Accommodation of social diversity ☑ Dignity and freedom of the citizens <p>Eco.4. Globalization and the Indian Economy.</p> <ul style="list-style-type: none"> ☑ Production across countries ☑ Interlinking production across countries ☑ Foreign Trade and integration of markets ☑ What is globalization? ☑ Factors that have enabled Globalisation ☑ World Trade Organisation ☑ Impact of Globalization on India ☑ The Struggle for a fair Globalization 	<p>governments</p> <p>WEEK 2:</p> <ul style="list-style-type: none"> • Understand the causes for continuation of democracy in India. • Distinguish between sources of strengths and weaknesses of Indian democracy. <p>WEEK 3:</p> <p>Students will be able to</p> <ul style="list-style-type: none"> • Explain the working of the Global Economic phenomenon. • Describe the advantages and disadvantages of integration of markets. <p>WEEK 4:</p> <ul style="list-style-type: none"> • Evaluate the work of World Trade Organization. • Explain the impact of globalization on India.
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Class: X

Subject: Computer

MONTH	CHAPTER/ LESSON	WEEKWISE LEARNING OBJECTIVES
April	1. Networking	<p>Students will be able to learn</p> <p>Week 1:</p> <ul style="list-style-type: none"> * Introduction to internet. * History of the internet. <p>Week 2:</p> <p>Working of the internet</p> <p>Week 3:</p> <p>Advantages and disadvantages of internet.</p>

		<p>Week 4:</p> <p>WWW, Internet terminologies.</p> <p>Internet protocol.</p> <p>.</p>
May		<p>WEEK 1:</p> <p>Students will be able to learn....</p> <p>*Remote login. Information retrieval on the network</p> <p>WEEK 2:</p> <p>Search Engines Finding peoples on the internet.</p>
June		<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Chat, E-mail, E-groups, Videoconferencing e-commerce, e-learning, social networking.</p> <p>WEEK 2:</p> <p>e-governance, Mobile Technologies</p>
June	2.HTML	<p>Students will be able to learn</p> <p>WEEK 3:</p> <p>What is HTML? History of HTML</p> <p>WEEK 4:</p> <p>Characteristics of HTML. HTML Editor Structure of the HTML Document</p>
July		<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Structure of HTML Document</p>

July		<p>Students will be able to learn</p> <p>WEEK 2:</p> <p>HTML tags or Elements</p> <p>WEEK 3:</p> <p>Tag Attributes Creating HTML Document</p> <p>.</p> <p>WEEK 4:</p> <p>Viewing HTML Document Modifying HTML code. Working with tags and Attributes</p>
August	2.HTML	<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Text Formatting tags Adding Horizontal tags</p>
August	AI Project Cycle	<p>Students will be able to learn</p> <p>WEEK 2:</p> <p>Adding Heading. Adding comment in HTML</p> <p>WEEK 3:</p> <p>Adding special characters</p> <p>WEEK 4:</p> <p>Creating Lists in HTML</p>
September	AI Project Cycle	<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Images in an HTML Document</p> <p>Creating Hyperlinks in a web page.</p> <p>WEEK 2:</p> <p>Types of Hyperlinks Adding Email links into a webpage</p>

		<p>WEEK 3:</p> <p>Creating Links to the images</p> <p>WEEK 4:</p> <p>Formatting table. Forms in HTML</p>
October		<p>Students will be able to learn</p> <p>WEEK 1: What is CSS? Advantages of CSS</p> <p>WEEK 2:</p> <p>Type of Style sheets CSS syntax CSS Selectors</p> <p>WEEK 3:</p> <p>Text properties, Font properties, border Properties, background properties</p> <p>WEEK 4:</p> <p>Margins properties Outline properties</p>
September	2.HTML	<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>DIV tag</p> <p>WEEK 2:</p> <p>Height and width properties</p> <p>WEEK 3:</p> <p>Box model</p> <p>WEEK 4:</p>

		Float properties
October	3.Cyber Ethics	<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Introduction to cyber ethics.</p> <p>WEEK 2:</p> <p>Software Licensing</p> <p>WEEK 3:</p> <p>Open source software movement</p> <p>WEEK 4:</p> <p>Intellectual property infringement</p>
November		<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Plagiarism</p> <p>Digital Property Rights</p> <p>WEEK 2:</p> <p>Digital Divide</p> <p>Digital Unity</p>
December		<p>Students will be able to learn</p> <p>WEEK 1:</p> <p>Freedom of Information</p> <p>WEEK 2:</p> <p>E-commerce</p> <p>WEEK 3:</p> <p>Secure Data Transmission</p> <p>Netiquettes.</p>