



Annual Curriculum (2023-24)

GRADE - VII

SUBJECT- ENGLISH

Book prescribed : TOGETHER WITH EXPRESSIONS (LITERATURE)
WRETIN MARTIN (GRAMMAR)

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
April	Unit-1 Ch-1 The diary of a young girl	By the end of the topic a student will be able to: -comprehend and analyze the plot, incidents and characters. -to understand the central idea and realize the importance of writing a diary entry . -To familiarize with the biography of famous people around the world.	Based on your understanding interpret the meaning what you “see”, “think”, “wonder”.	Brainstorming , Collaborative, critical thinking Smart board lecture and discussion method	Students will be able to : - To develop production skills (fluency and accuracy in speaking and writing answers). - To be able to answer competency questions based on the extract -demonstrate enhanced social and interpersonal skills. -To understand and regulate their emotions.
	GRAMMAR CH-2- Nouns	-To enable students to acquire knowledge through rules in grammar - Students will be able to identify nouns in connection with animals, person and things .	Nouns series with alphabets	Word game : Name, place ,animal, thing -Power Point Presentation, Grammar book exercises	Students will be able -to identify the kinds of noun and apply their knowledge to the objects around them. -to enable them to develop the knowledge of singular and plural -Students will be able to differentiate between masculine, feminine and neuter gender.
	GRAMMAR CH-4 Articles	-to articulate the use of definite or indefinite articles in particular contexts. -to differentiate among a, an, the with the use of sound use accurate articles in day to day expressions in verbal and written form	Demonstrate use of a an the with creativity using paper craft	Discussion and explanation with examples -Workbook Exercises & Practice Exercises	Students will be able to: -Acquire knowledge through rules in grammar - to explore the use of definite and indefinite articles - use accurate articles in day to day expressions in verbal and written form

	GRAMMAR CH-5 PRONOUNS	-Students will be able to replace nouns by pronouns - They will acquire knowledge through rules in grammar -Enhance communication skills and language skills	Draw an image on the paper in 1 minute and use 5 pronouns to describe it.	Discussion and explanation with examples - Workbook Exercises & Practice	- students will be able to distinguish pronouns in a sentence -students will be able to identify the kinds of pronoun and their usage. - To help students share and explore pronouns in real life situations.
	WRITING SKILL: NOTICE WRITING	By the end of the topic students will be able -to explain the purpose of writing notice -list the components of a notice and its format -Express their views in the desired manner on the types of notice.	Write a notice in 50 words informing the students about a watch which has been lost in the school playground. You are Garima/Garvit	Familiarize the students with different Formats and Sample	By the end of the topic students will be able -to explain the purpose of writing notice which is to provide information -understand the essence of notice pasted on school notice board. -Express their views in the desired manner on the types of notice.
May	Unit-1 Ch-2 An Interview with Kailash Satyarthi	-To develop his/her language skills. -To demonstrate a sense of empathy and understanding.	Make a poster on "Save the childhood movement"	Smart board lecture and discussion method Brainstorming, Collaborative, critical thinking	- To show creativity and inquisitiveness -To make a poster to display his/her artistic skills. -to prepare questionnaire for an interview and exhibit his/her interpersonal skills.
	GRAMMAR- Unit-3 Adjectives	-To express themselves in grammatically correct language -students will be able to form adjective from nouns -to acquire knowledge about degree of comparisons	Describe your friend using adjective	-Discussion and explanation with examples -Workbook Exercises & Practice Exercises	- Students will acquire knowledge through rules in grammar -Students will be able to inculcate adjectives in writing and speaking. - they will develop a better command over English language

July	UNIT-2 Ch-1 Shangri-La	By the end of the topic a student will be able to: -learn new expressions related to new places. -to demonstrate his/her enhanced cognitive skills. -to recognize words having multiple meanings in the context.	Describe your travelling experience- WHAT YOU LIKE THE MOST? WHY WOULD YOU ADVISE OTHERS TO VISIT THAT PLACE? Also paste pictures of the place.		Students will be able to: - use his/her team building abilities to work better in a group. - identify the purpose of a text. -Follow the safety rules to be adopted while travelling.
	UNIT-2 poem: What will be your legacy? (Poetry)	-To enable them grasp the theme and gist of the poem. -Know about poet and literary background -Recite the poem with proper intonation and correct pronunciation	Make a mini (Book mark) related to any sports , use either paper or cardboard, can serve as a great marking tool for reading.	Discussion explanation Power Point Presentation, RTC	Students will be able to – -to know more about literary devices used by the poet -To develop Comprehending , Reading, Listening and Imaginative skills - To appreciate the beauty, rhyme and style of the poem
	GRAMMAR Ch-10 Modals	-identify verbs in a Sentence. -understand various kinds of verbs and distinguish them from one another -to apply knowledge of modals in command , mood among others		Topic related Videos, PPTs will be shown Activities will be performed Assessments	Students will be able to -Use modal verbs in constructing a dialogue. -applying the use of modal verbs in day- to-day life. -identify modal verbs in the passage.
	GRAMMAR UNIT- Ch-6 Verbs (Transitive & Intransitive)	-The student will identify the verbs correctly in the sentence. -apply the knowledge of verbs to speak correct English and write effectively.		Topic related Videos, PPTs will be shown Activities will be performed Assessments Quizzes	-students will explain and apply the knowledge to the use of action words. -students will learn about direct object and indirect object . -classify verbs in the sentence.

	Writing: Dialogue Writing	By the end of the topic students will be able -to explain the purpose of constructing dialogues. -use dialogues for effective communication -to develop critical and interpersonal skills.	Role play on the theme Eg : construct a dialogue between a vendor and a customer.	Familiarize the students with different Formats and Sample	-To generate dialogues in appropriate manner. -Develop his/her English language in conversating with peers. -to develop his/her knowledge and skills through using dialogues in day-to day life.
	Writing: Informal Letter	By the end of the topic students will be able -to explain the purpose of writing informal letter -list the components of a letter and its format. -Express their views in the desired manner	Write a letter to your friend inviting her to the 50 th birthday party of your father.	- Familiarize the students with different Formats and Sample	- To learn the format and style of informal communication and the specific language used. -To apply knowledge and better use of idioms -will be able to practically make use of writing skills
August	Unit-3 Poem: The Heavens Above	-To enable them grasp the theme and gist of the poem. -develop an interest in the secrets of nature. -Recite the poem with proper intonation and correct pronunciation	Showcase creativity and write down 5 achievements of India in the field of space research.	Discussion explanation Power Point Presentation, RTC	Students will be able to – -to know more about literary devices used by the poet -To develop Comprehending , Reading, Listening and Imaginative skills - To appreciate the beauty, rhyme and style of the poem
	GRAMMAR UNIT-7 Tenses (present)	-differentiate present from past and future -to understand the rules for writing sentences into different kinds of present tense -to compose paragraphs according to given tense	Describe yourself in 10 lines using present tense	Power Point presentation Grammar book exercises	-differentiate present from past and future -to understand the rules for writing sentences into different kinds of present tense -to compose paragraphs according to given tense
	GRAMMAR UNIT-8 Tenses	-To define Past Tense. - To identify Past Tense in a		Power Point presentation Grammar book exercises	-Identifies Past Tense correctly -Uses Past Tense correctly

	(past)	sentence. -To state the structure and form of Past Tense. - Framing sentences using Past Tense.			While writing. -Writes paragraphs using Past Tense correctly
	GRAMMAR UNIT-9 Tenses (Future)	-To define Future Tense -To identify Future Tense in a sentence. - To state the structure and form a Future Tense -Frame sentences		Power Point presentation Grammar book exercises	-able to Identify Future Tense correctly -Uses Future Tense correctly while writing and speaking
	Writing skill: Diary Entry	-Explain the purpose of keeping a diary. -Describe the format of a diary entry. -Create a diary. -students will be able to express themselves		Discussion and explanation of Format	-Explain the purpose of keeping a diary. -Describe the format of a diary entry. -Create a diary. -students will be able to express themselves
September	Unit-4 Ch-2 Kamli- The Neighbor's Cow	By the end of the topic a student will be able to: -comprehend and analyse the plot, incidents and characters. -to understand the central idea and develop the moral of the story. -to know the value of important life skills.	Make a comic strip using the cut outs of black and white cow. Imagine a conversation between them about their new buyers.	Brainstorming Collaborative, critical thinking Smart board lecture and discussion method	Students will be able to -interpret the incidents and analyze the characters. -integrate language proficiency and develop his/her reading skills. - To be able to answer comprehensive questions based on the extract
	Revision of all topics	Revision of all topics		Class tests, practice worksheet	Revision of all topics
October	Unit-6 Ch-2 The Siege of Berlin	By the end of the topic a student will be able to: -narrate inspirational stories of struggles. -to understand the central idea and develop the values -To enrich the vocabulary of the students to use the same correctly .	Write a slogan on "Essence of freedom".	Brainstorming Collaborative, critical thinking Smart board lecture and discussion method	Students will be able to -interpret the incidents and analyze the characters. -To develop production skills (fluency and accuracy in speaking and writing answers). - To understand the value of freedom and comprehend the text.

	GRAMMAR UNIT-12 Active and Passive voice	-Students will be able to differentiate between active and passive voice -Construct sentences using active and passive voice.		Discussion and explanation with examples -Workbook Exercises & Practice Exercises	-Students will be able to differentiate between active and passive voice -Construct sentences using active and passive voice.
	Writing: Letter to Editor	By the end of the topic students will be able -to explain the purpose of writing formal letter -list the components of a letter and its format -Express their views in the desired manner on social issue	Write a letter to the editor of national daily expressing your concern towards pathetic condition of roads of your locality.	Familiarize the students with different Formats and Sample	By the end of the topic students will be able -to explain the purpose of writing formal letter -list the components of a letter and its format. -Express their views in the desired manner on social issue
November	Unit-6 Poem: Freedom's Plow	-To enable them grasp the theme and gist of the poem. -Know about poet and literary background -Recite the poem with proper intonation and correct pronunciation	State the 3 parts of Preamble of India on an A-4 size sheet.	Brainstorming Collaborative, critical thinking Smart board lecture and discussion method	Students will be able to - - know more about literary devices used by the poet -Nature and theme of the poem -describe the meaning of new words and use them efficiently
	GRAMMAR – UNIT-14 Preposition	-students will explain and apply the knowledge to the position of the noun. -students will learn about prepositional words. -interpret given editing and omitting exercises for their suitable application		Topic related Videos, PPTs will be shown Activities will be performed Assessments Quizzes	-students will explain and apply the knowledge to the position of the noun. -students will learn about prepositional words. -interpret given editing and omitting exercises for their suitable application
	Grammar	-to know about kinds of		Discussion and explanation	-to know about kinds of

	UNIT-15 CONJUNCTION	conjunctions. -apply conjunctions to join sentences. -differentiate the use of one conjunction from other.		with examples -Workbook Exercises & Practice Exercises	conjunctions. -apply conjunctions to join sentences. -differentiate the use of one conjunction from other. -self develop paragraphs with the use of conjunction
	Writing skills: E-MAIL WRITING	-to know the purpose of writing email -understand the format apply the knowledge in practical life - put the message accurately by following the format	Write an email to your sister Congratulating her for Scoring 1st position in class.	Discussion, familiarize the format, sample	-to know the purpose of writing email -understand the format apply the knowledge in practical life - put the message accurately by following the format
December	Unit-7 Ch-1 A Day in the country	-To promote the reading habits of students. -Enrich the vocabulary of the students -to understand the central idea and develop the moral of the story.	Role play (chapter based)	Brainstorming Collaborative, critical thinking Smart board lecture and discussion method	-To develop critical thinking by analyzing the text -To appreciate and learn from the selflessness of the nature. -To be able to answer comprehensive questions
	GRAMMAR: Ch-16 SPEECH (Direct and indirect)	-Students will be able to use reported speech while speaking and writing -apply rules to change the speech from direct to indirect -how to reported orders, requests or command	Restate dialogue from the movie using reported speech	Discussion and explanation with examples -Workbook Exercises & Practice Exercises	-Students will be able to use reported speech while speaking and writing -apply rules to change the speech from direct to indirect -how to reported orders, requests or command
	WRITING SKILL: STORY WRITING	-The students will be able to focus on the major skills of English. -They will be able to express their ideas in the form of short and long writing skills	Elaborate a story with the given outlines.	-Familiarize the students with different formats of the writing skills -Practice exercise of each writing skill will be given	-Students will be able to: develop appropriate style of writing. - use of accurate vocabulary, expressions and sentence structure -to be able to apply the knowledge of tenses

January	Unit-7 Ch-2 The water woes of the capital	Students will be able to -Analyze, interpret, and infer ideas from the text. -Enhance their creativity and imagination comprehend and analyze the text. -develop environmental understanding.	Make a poster on water conservation using slogans that convey the message.	Brainstorming , Collaborative, critical thinking Smart board lecture and discussion method	-To enable the learners to extrapolate from the given text. -To express his/her views on various environmental issues. -To spread awareness regarding the issues affecting our planet.
	Poem- The trees are down	-To enable them grasp the theme and gist of the poem. -to know the importance of trees. -Recite the poem with proper intonation and correct pronunciation	State about Chipko movement. How it helped in saving the trees? Showcase creativity on an A-4 size sheet.	Brainstorming Collaborative, critical thinking Smart board lecture and discussion method	Students will be able to - - know more about literary devices used by the poet -to develop empathy and sensitivity towards environment. -describe the meaning of new words and use them efficiently

	GRAMMAR UNIT 23 SPEECH (Direct and indirect)	-Students will be able to use reported speech while speaking and writing -apply rules to change the speech from direct to indirect -how to reported orders, requests or command	Restate dialogue from the movie using reported speech	Discussion and explanation with examples -Workbook Exercises & Practice Exercises	-Students will be able to use reported speech while speaking and writing -apply rules to change the speech from direct to indirect -how to reported orders, requests or command
	WRITING SKILLS: Poster making	-The students will be able to focus on the major skills of English. -Understand the purpose of designing a poster. -develop artistic skills and interpret the meaning of poster	Make a poster on 'Save trees'	-discussion And explanation -practice and sample poster	-The students will be able to focus on the major skills of English. - Understand the purpose of designing a poster. -develop artistic skills and interpret the meaning of poster
February	Revision of all the topics	Revision of all the topics		Class tests, practice worksheet	Revision of all the topics
	Grammar: Punctuation and capital letters.	Students will be able to : -develop their speaking skills more effectively. -understand the usage of punctuation marks. -interpret the questions and apply the usage of		Discussion and explanation with examples -Workbook Exercises & Practice Exercises	Students will be able to : -develop their speaking skills more effectively. -understand the usage of punctuation marks. -interpret the questions and apply the usage of punctuation

		punctuation marks with correct pause and expressions.			marks with correct pause and expressions.
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SUBJECT- MATHEMATICS

Book prescribed : Revised Mathematics Made Easy

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
April	Ch-1 Integers	Students will be able: 1.To revise the operations of addition	To understand the multiplication and division of integers using colored	Activity Based Teaching Link of activity will be shared with students.	Students will be able to revise the operations of addition and subtraction on integers and multiply and divide integers.

	Ch-2 Fractions and Decimals	and subtraction on integers. 2.To multiply and divide integers. 3.To solve word problems on integers including all operations. Students will be able: 1.To multiply and divide a fraction by a whole number, fraction or a mixed fraction. 2. To solve simple word problems involving multiplication and division of fractions.	sheets, colored pens, scissors, ruler, glue etc. Types of fractions using colored sheets, colored pens, scissors, ruler, glue etc.	https://youtu.be/oRvLwXfdiu4 Activity Based Teaching Link of activity will be shared with students. https://youtu.be/tq9LhGNe7b8	They will be able to solve word problems on integers including all operations Students will be able to multiply and divide a fraction by a whole number, fraction or a mixed fraction. They will be able to solve simple word problems involving multiplication and division of fractions.
May	Ch-2 Fractions and Decimals Continue s	Students will be able: 1.To multiply and divide decimal numbers by both whole numbers and decimal numbers. 2.To solve word problems using decimals.	To convert decimals into fractions using colored sheets, colored pens, scissors, ruler, glue etc.	Activity Based Teaching Link of activity will be shared with students. https://youtu.be/zi6X8-fk9DE	Students will be able to multiply and divide decimal numbers by both whole numbers and decimal numbers. They will be able to solve word problems using decimals.
July	Ch-3 Rational Numbers	Students will be able 1.To Recall Fractions 2.To understand Rational numbers, Equivalent Rational numbers 3.To solve operations of addition, subtraction, multiplication and division of rational numbers 4.To apply in daily life situations 5.To represent rational numbers on number line 6. To compare rational numbers	Rational Numbers Art integrated activity using colored sheets, colored pens, scissors, ruler, glue etc.	Activity Based Teaching Video link will be shared with the students. https://youtu.be/SqTSCVA0Rrs	Students will be able to recall Fractions, understand Rational numbers, Equivalent Rational numbers They will be able to solve operations of addition, subtraction, multiplication and division of rational numbers and apply in daily life situations. They will be able to represent rational numbers on number line and compare rational numbers And arrange them in ascending or descending order, represent Rational numbers as decimal numbers. Students will be able to define and explain exponents. They will be able to state and apply the laws of exponents in given problems and express numbers using scientific notation.

		And arrange them in ascending or descending order 7.To represent Rational numbers as decimal numbers. Students will be able 1.To define and explain exponents. 2. To state and apply the laws of exponents in given problems. 3. To express numbers using scientific notation. Students will be able: 1. To recall terms variables, constants and coefficients 2.To understand algebraic expressions 3.To add and subtract Algebraic expressions 4.To explore formula for different patterns	Laws of Exponents activity using A-4 sheet, colored sheets, glue, scissors, ruler and sketch pens. Students will cut three circles and write all the laws' names, rule and examples in three circles respectively. Put the three circles together and paste on A-4 sheet. Students can learn laws of exponents by doing this interesting activity. Students will be able: 1. To recall terms variables, constants and coefficients 2.To understand algebraic expressions 3.To add and subtract Algebraic expressions 4.To explore formula for different patterns	Activity Based Teaching Activity: Laws of Exponents The given link will be shared during the activity class with the students. https://youtu.be/yNROdWubx2Y Activity Based Teaching YouTube link: https://youtu.be/zhOlqPJZl5A	Students will be able to recall terms variables, constants and coefficients They will be able to understand algebraic expressions They will be able to add and subtract algebraic expressions and explore formula for different patterns
	Ch-4 Exponent s and Powers Revision Test Ch 5- Algebraic Expressio ns				

August	Ch 5- Algebraic Expressions Continue Ch 6- Simple Equations Revision Test	Students will be able: 1. To state and explain the meaning of “the root of an equation” and verify the equations using their roots. 2. To solve equations to find their roots by balancing method and by transposing method and frame algebraic equations from the given statements and solve them.	Solve linear equation in one variable with the help of an activity using paper cutting square, triangle, rectangle and small circles and arrange them according to the given linear equation.	Activity Based Teaching Activity: The given link will be shared during the activity class with the students. https://youtu.be/ra3kQ8-WDpg	Students will be able to state and explain the meaning of “the root of an equation” and verify the equations using their roots. They will be able to solve equations to find their roots by balancing method and by transposing method and frame algebraic equations from the given statements and solve them.
September	Ch7- Comparing Quantities	Students will be able: 1.To revise the concepts of ratio. 2. To apply the ratio concepts in simple word problems. 3. To state proportion as equivalence of two ratios and use this principle in solving many mathematical problems. Students will be able: 1.To recall ratios 2.To understand percentages 3.To calculate percentage, convert into percentage, and calculate Simple Interest Profit, Loss 4.To apply in daily life situations	Ratio and Proportion activity using colored sheets, sketch pens, pencil, ruler and scissors. Percentage art integrated activity using bar graph paper, colored pencils colored sketch pens, ruler etc.	Activity Based Teaching Activity: The given link will be shared during the activity class with the students. https://youtu.be/1nXUDxIKQQM Activity Based, Teaching: YouTube link: https://youtu.be/NafiBGuHck0	Students will be able to revise the concepts of ratio. They will be able to apply the ratio concepts in simple word problems and state proportion as equivalence of two ratios and use this principle in solving many mathematical problems Students will be able: 1.To recall ratios 2.To understand percentages 3.To calculate percentage, convert into percentage, and calculate Simple Interest Profit, Loss 4.To apply in daily life situations

	Revision of Half Yearly Examination Term 1 Exam				
October	Ch-8 Lines and Angles Ch 9- The Triangle and Its Properties Revision Test	Students will be able: 1. To define complementary angles, supplementary angles, adjacent angles, vertically opposite angles, alternate angles and corresponding angles. 2. To state and explain the properties of angles formed by parallel lines. Students will be able 1.To define a triangle and verify the angle sum property and exterior angle property. 2. To state and verify the Pythagoras' theorem.	Vertically opposite angle activity using colored sheets, ruler, glue, scissors and sketch pens. In this activity students will draw two intersecting lines on the sheet and take cutouts of all the four angles. After put opposite angles on the other one and they can find that vertically opposite angles are equal. Pythagoras Theorem activity using colored sheets, ruler, scissors and sketch pens. Students will draw right angle triangle and three squares with different sides. Put all figures together, they can prove Pythagoras Theorem.	Activity Based Teaching Activity: Vertically opposite angles are equal. The given link will be shared during the activity class with the students. https://youtu.be/y76R71AEDkw Activity Based Teaching Activity:Pythagoras Theorem The given link will be shared during the activity class with the students. https://youtu.be/UJVGXbLMtpg	Students will be able to define complementary angles, supplementary angles, adjacent angles, vertically opposite angles, alternate angles and corresponding angles. They will be able to state and explain the properties of angles formed by parallel lines. Students will be able 1.To define a triangle and verify the angle sum property and exterior angle property. 2. To state and verify the Pythagoras' theorem.

November	Ch 9- The Triangle and Its Properties Continue Ch 10- Perimeter and Area Revision Test	Students will be able: 1.To calculate the perimeter and area of different shaped figures. 2. To find the area between two concentric circles. 3. To calculate the area of combination of different shapes.	To find area of triangle using colored sheets, sketch pens, pencil, ruler and scissors.	Activity Based Teaching Activity: The given link will be shared with the students. https://youtu.be/xb2RRzITaY8	Students will be able to calculate the perimeter and area of different shaped figures. They will be able to find the area between two concentric circles and calculate the area of combination of different shapes
December	Ch 11- Congruence of Triangles Revision Test Ch 12- Practical Geometry	Students will be able: 1.To explain the meaning of congruence with examples from the materials around us. 2.To state and verify the three necessary conditions SSS, SAS, ASA of congruence of triangles. Students will be able: 1.To construct a parallel line to a line from a given point outside. 2.To construct triangles when measures of one side and the two adjacent angles are known.	Warli Art activity of Congruence of triangles using colored sheets, sketch pens, pencil, ruler and scissors. Constructions of Triangles activity using colored sheets, sketch pens, pencil, ruler and scissors	Activity Based Teaching Activity: The given link will be shared during the activity class with the students. WarliArt Activity using congruent triangles YouTube link: https://youtu.be/_31LfEjUFRU Activity Based Teaching Activity: The given link will be shared during the activity class with the students. https://youtu.be/4d6xN0Z55rl	Students will be able to explain the meaning of congruence with examples from the materials around us. They will be able to state and verify the three necessary conditions SSS, SAS, ASA of congruence of triangles. Students will be able to revise the concepts of ratio. They will be able to apply the ratio concepts in simple word problems and state proportion as equivalence of two ratios and use this principle in solving many mathematical problems.

	Revision Test				
January	Ch 13- Data Handling Students will be able: 1.To calculate the measures of central tendency such as mean, median and mode from given data. Students will be able: 1.To define probability and explain sample space. 2. To calculate probability of simple events. Students will be able: 1.To define and explain sample space and calculate probability of simple events. Students will be able: 1.To recallsymmetrical figures 2.To recognize the lines of symmetry in different objects and locate the center of rotation and order of symmetry 4.To makeown patterns and designs using any one of the three forms of symmetry or using the combination of the Ch 14- Symmetry	To make art integrated project on data handling using colored sheets, colored sketch pens, scissors, ruler, glue etc. Symmetry art integrated activity using poster colors, white sheet thick thread.	Activity Based Teaching Activity: The given link will be shared during the activity class with the students. https://youtube.com/shorts/Qe0ejPUe-N4?feature=share Activity Based Teaching https://youtu.be/6IHNSlDH7Qs	Students will be able to calculate the measures of central tendency such as mean, median and mode from given data. Students will be able to define probability and Explain sample space and calculate probability of simple events. Students will be able to recallsymmetrical figures and recognize the lines of symmetry in different objects and locate the center of rotation and order of symmetry. They will be able to makeown patterns and designs using any one of the three forms of symmetry or using the combination of the forms of symmetry	

Social Science

Note: Overall Learning Objectives mapped with Learning Outcome adapted by CBSE for the course: Our Environment

Chapter 1	Topic	Learning Objectives	Learning Outcome
Our Environment	Natural environment	• Natural environment. To understand various measures of maintaining natural environment.	Describes different components of the environment in order to show understanding of the interrelationship between them.
	Human environment	Students will be able: To know about the problems of human Environment • To Understand the solutions of the problems that are faced by human Environment	

Chapter 2

Learning Objectives

Students will be able:

- To understand the layered structure of the earth.
- To draw and label diagram of earth's layers.
- To familiarize with the names of different types of rocks and their uses.
- To understand the differences between types of rocks by referring to their properties and methods of formation
- To understand the arrangement of the steps

involved in the formation of rock in a

sequential manner

The Structure our Earth

Chapter 3	Topic	Learning Objectives	Learning Outcome
Our changing Earth.	Earth movements	Students will be able: - To familiarize with the basics of lithospheric plates and plate tectonics. - To understand the difference between endogenic forces and exogenic forces. - To understand the structure and cause of volcanoes and earthquakes. - To understand the landforms caused by agents of denudation like: River, Sea waves, Glacier and Wind.	Explains preventive actions to be undertaken in the event of disasters.
	Major landforms	Students will be able: - To understand the landforms caused by agents of denudation like: River, Sea waves, Glacier and Wind. - To understand the flood plains broad, flat and fertile plain formed due to river deposition due to flooding - To understand loops created due to twisting, turning and bending of rivers over broad level plains is called meanders. - To understand moraines are small pieces of rock, sand and silt debris deposited by glacier where melts. - To understand that a cut-off lake left behind when river breaks away from the bends of meanders is called as oxbolake.	Describes formation of landforms due to various factors.

Chapter 4	Topic	Learning Objectives	Learning Outcome
Air	Composition of air in atmosphere	Students will be able: • To understand the importance of atmosphere - To understand that earth is surrounded by a thick layer of gases called the atmosphere	Explains composition and structure of the atmosphere in order to show understanding of the characteristics of the different layers.
	Structure of atmosphere	• To understand the lower layer of the atmosphere as water vapor and dust particles - To familiarize that the atmosphere is divide into five concentric layers – troposphere, stratosphere, mesosphere, thermosphere and exosphere	Locates distribution and extent of different climatic regions on the world map or globe to understand the differences in climatic pattern in different countries.
	Weather and climate	Students will be able: • To understand the phenomena of cloud, fog, wind, rain, etc. occur in the troposphere - To understand the lower part of stratosphere has concentration of ozone, which absorb ultra violet radiation of the sun • To understand that mesosphere is the coldest layer in this layer temperature decreases with height. • To understand the exosphere is the uppermost layer and gradually merges into outer space.	Shows sensitivity to the need for conservation of natural resources– air, water, energy, flora and fauna - in order to describe how to protect and conserve the environment.
			Analyses factors contributing to pollution in their surroundings and lists measures to prevent it in order to understand how to protect and conserve the environment.

		• Weather is hour to hour day to day • condition the atmosphere To understand typical weather condition of an area over a long period of time are its • climate To understand that wind is horizontally moving air near the surface of the earth	
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Chapter 5	Topic	Learning Objectives	Learning Outcome
Water. And its Circulation	Distribution of water Bodies	Students will be able: • To understand the classification and distribution of major water bodies. • To understand the cause behind the origin effects. • To understand the continuous circulation of water among the hydrosphere, atmosphere and lithosphere called hydrological cycles.	Shows sensitivity to the need for conservation of natural resources- air, water, energy, flora and fauna - in order to describe how to protect and conserve the environment.
	Ocean circulation: Tides.	To understand how waves are formed in the ocean or seas when wind blows across the water surface. To understand amount of salt present in the sea • water is Salinity. To understand when the rain water is soaked by ground is called ground water. • To understand that enormous sea waves caused due to undersea earthquake or volcanic eruption which cause tremendous destruction in coastal areas. To realize the importance of water conservation.	

Chapter 6	Topic	Learning Objectives	Learning Outcome
Natural vegetation and wildlife.	Forests: • Tropical evergreen forest • Tropical deciduous forest • Temperate evergreen forest • Temperate deciduous forests. • vegetation Coniferous forests	Students will be able: • To understand the factors that influences the natural vegetation of a place. • To identify the location where different types of natural vegetation flourish. • To understand the difference between various rainforests and their related features.	Reasons and factors leading to diversity landforms, etc. In order to understand the need for sustainable practices in food production, wildlife conservation, etc.
		Students will be able: • To understand the grasslands and other vegetation of the world. • To understand the difference between various rainforests and their related features.	Shows the sensitivity to the need for conservation of natural resources-flora and fauna.
	Grasslands: • Tropical grasslands • Temperate grasslands • Thorny bushes	• To understand the grasslands and other vegetation of the world.	

Chapter 7	Topic	Learning Objectives	Learning Outcome
Human	Settlement		Reflects on the factors leading to
environment- Settlement, transport and communication	Transport and communications.	understand our dwellings and their types. • Students will be able	disasters and calamities in order to understand the consequences of various
		To understand the different modes of transport and their importance • To understand various types of communication mediums.	human actions. Analyses factors contributing to pollution in their surroundings and lists

			measures to prevent it in order to understand how to protect and conserve the environment.
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Chapter 8	Topic	Learning Objectives	Learning Outcome
Life in Tropical and sub-tropical regions.	Life in the amazon basin: •Climate •Rainforests •People of the rainforests	• To understand by tropical and sub-tropical areas and the features of both regions. To understand the real life connects with tropical and sub-tropical regions. To understand about amazon basin and wildlife around that.	Draw interrelationship between climatic regions and life of people living in different climatic regions of the world, including India.
	Life in the ganga-Brahmaputra basin.	• To understand lifestyle, flora and fauna, Brahmaputra region. different from each other in different perspectives.	Analyses factors contributing to measures to prevent it.

Chapter 9	Topic	Learning Objectives	Learning Outcome
Life in the temperate grasslands	The Prairies: •Flora and fauna •Climate •People	• Students will be able To understand about prairies region of North America. To understand about surplus region, (Granaries of the world) • North America's prairies region. To understand real lives, connect with grasslands region.	Shows sensitivity to the need for conservation of natural resources-air,
			water, energy, flora and fauna. Analyses factors that impact development of specific regions

		To understand about the feature of two grasslands region- Prairies of North America and Velds of South Africa	
	Flora and fauna The Velds: Climate People	- To understand lifestyle, flora-fauna, people's occupation I and around Velds' region. To understand economical advantage of minerals like- Gold and diamonds of Velds' region To understand and analyze how these regions are same and different from each other in different perspectives.	Analyses factors that impact development of specific regions

Chapter 10	Topic	Learning Objectives	Learning Outcome
Life in the desert	The hot desert – Sahara: Climate Flora and fauna People	Students will be able: To understand about the features of two desert regions-The Sahara Desert of Africa and Ladakh of India. To familiarize with the desert region with illustrations. To understand and analyze how these regions are same and different from each other in	Describes and analyses climatic regions and human habitations and life of people living in different climatic regions of the world, including India, in order to draw interrelationship between them and compare and contrast them.
	The cold desert: Ladakh Flora and fauna Climate People	different perspectives. Students will be able: To understand about lifestyle, flora and fauna, people's occupation around Ladakh region.	Analyses factors that impact development of specific regions

- To familiarize with the goods that re

		produced in summer Ladakh and exported all over the world.	
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Note: Overall Learning Outcome for the course: Social and Political life

Chapter 1	Topic	Learning Objectives	Learning Outcome
Equality in Indian Democracy	Concepts of Equality: Challenges of a Democratic Country	Students will be able:	Explains the significance of equality in democracy
		• To understand the concept of equality and • challenges of a democratic country. • To familiarize the concept of Adult Franchise- above the age of 18 every citizen can vote.	Explains the characteristics of political equality, economic equality, and social equality in order to distinguish between them
		To understand, religion, caste, gender inequality also becomes the reason of • discrimination. • ensures that every citizen is treated equally. To acquaintance with the Constitution of India has also made provision to enforce • equality. To understand Government Initiatives like mid-day meal an effort in bringing about equality	Interprets social, political and economic issues in one's own region with reference to the right to equality.

Chapter 2	Topic	Learning Objectives	Learning Outcome
Health Care Service in India	What is health: •Healthcare in India	Students will be able:	Explains the roles, functions, salient features of local government and state

		• To understand that health not only refers to physical health but also the mental and social health. • To familiarize with the various aspects of healthcare in India. • To understand, that to prevent and treat illness appropriate healthcare facilities such as health centers hospitals laboratories for testing, ambulance services blood banks are needed.	differentiate between the two.
	Public and Private Healthcare services: • Healthcare and Equality • What can be done • The Kerala experience	• To familiarize with the public health services are the chain of health centers and hospitals run by the government. • To understand that the right to life of every person to be ensured by the government as its duty. • To familiarize that besides the government private health facilities are also helping the government in every corner of the country. • To understand that all the 3333 classes of society having equal rights to avail public healthcare services as well as private healthcare services • To understand that various factors besides the cost are to be solved for availing proper healthcare services.	
	The Costa Rican	understand the approach of another countries to issues of health	

Chapter 3	Topic	Learning Objectives	Learning Outcome
The State Government	functions. How State Government	Students will be able: - To understand the organization of the state Government includes the Governor, The State Legislature and the state Council of Ministers. - To understand the Governor of the state is the nominal head of the executive. The duration of the legislative assembly is 5 years. Each state is divided into different - areas or constituencies. To understand the political party that has - majority is called a ruling party. To understand the chief minister and other ministers have the responsibility of running various government departments.	Explains the roles, functions, salient features of local government and state government in order to differentiate between the two. Describes the process of election to the legislative assembly
	Government in making What is the role of Laws?	Students will be able: - To understand how chief minister and various ministers have to take-action and they do so through various departments like public work department, health department, education department. - To understand issues connected with the working of their state government like an education programme, any issuance of law and order, mid-day meal etc.	Locates one's own constituency on assembly constituency map of state /UTs and names local MLA

Chapter 4	Topic	Learning Objectives	Learning Outcome
Gender Issues	Concept of Gender • Values of boys and girls. • Necessity for equality between man and woman.	Students will be able: - To understand that gender roles refer to how an individual adopts himself to the role prescribed for his or her sex by the society. - Explain the difference between patriarchal and matriarchal society. - The gender roles have created disparity everywhere. Men and women are not treated equally in most of the societies. - In the 19th century, changes begin to take place as women also fought for their rights. - Several women have broken the convention and entered into areas dominated by men. - To understand poverty, early marriage, family responsibilities are some of the sectors that prevent the education women.	Analyses the causes and consequences of disadvantages faced by women of different sections of the society.
			Identifies women achievers and their achievements in different fields from various regions of India

Chapter 5	Topic	Learning Objectives	Learning Outcome
Women Empowerment world.	Fewer opportunities and rigid expectations.	Students will be able:	Identifies women achievers and their achievements in different fields from various regions of India

		• To understand the inequality and injustice faced by females. To familiarize with the various roles played • by women in the society. Several women have broken the convention • and entered into areas dominated by men. To understand poverty, early marriage, family responsibilities are some of the sectors that prevent the education women.	Illustrates contribution of women to different fields with appropriate examples
	Learning For change	Students will be able: • To understand the need for upliftment, and • educating the women To familiarize with the various biographies of great women.	
	Schooling and education Today	Students will be able: • To analyze the school going percentage in primary elementary and secondary classes • of SC, ST, Adivasi, Dalit, Muslim (all girls). To understand the Gender discrimination in families.	
	Women's movement	Students will be able: • To understand campaigns to fight discrimination and violence against women	

Chapter 6	Topic	Learning Objectives	Learning Outcome
Role of Media In Democracy Media.	Understanding Media	Students will be able: - To understand what is media, what is print media, electronic media and the - comparisons of all media. To understand and recognize the role of big business in the media coverage of events. To understand the strong links between media and technology, media and big business. - business. To understand how mass media is constantly thinking of ways to make money	
	Media and Technology.		
	Media and Money		
	Media and democracy	Students will be able: - To understand how media plays a very important role in providing News and discussing events taking place in the country and world. - To understand how the media influences our thoughts, feelings and actions and bring those issues to our attention.	Examines various forms, etc. Of media - newspapers /TV /electronic media, etc. – in order to explain the functioning of media with appropriate examples.
	Setting Agendas	Students will be able: - Students would be able to identify how the media sets the agenda through influencing our perceptions of issues. - To understand the significance influence of media that plays in our lives and in shaping our thoughts.	

Chapter 7	Topic	Learning Objectives	Learning Outcome
Advertising	Building Brands and Brand Values.	Students will be able:	Creates an advertisement

		To understand that advertising is all about building Brands. Branding means stamping a product with a particular name or sign. To understand that social advertisements refer to advertisements made by the state or private agencies that have a larger message for society. Advertising makes us believe that things that are packages are better than things that do not come in packets.	
	Values Brand values and social	Students will be able: The brand values are conveyed through the use of visuals and words to give us an overall	
	How does an advertisement get made?	image that appeals to us. understand that advertisings are an important part of our social and cultural life today and it creates a difference.	
	Advertising and democracy	Analyse advertising tends to promote a certain lack of respect for the poor.	

Chapter 8	Topic	Learning Objectives	Learning Outcome
Markets around us.	Market: Weekly Market. Neighbourhood. Chain of Markets.	Students will be able: - To understand the markets around us. To understand the chain of markets i.e. formed before goods can reach us. To understand about different kinds of Markets.	Traces how goods travel through various market places in order to differentiate between different kinds of markets

	Markets everywhere.	Students will be able: To understand how the goods that are sold	
	Markets and Equality.	reach to buyers. understand that who these were buyers are and who these sellers are and the sorts of problems they face.	

Chapter 09	Topic	Learning Objectives	Learning Outcome
Struggles for Equality	Struggles for Equality	Students will be able: - To make aware of the idea of democracy. - To understand how people, struggle for equality.	Explains the characteristics of political equality, economic equality, and social equality in order to distinguish between them

Chapter 2	Topic	Learning Objectives	Learning Outcome
New Kings and Kingdom	The emergence of new dynasties:	understand about many new dynasties that emerged	Analyses socio-political and economic changes during medieval period in time.
	Administration in the kingdoms Prashastis and land	after 17 th century. understand about the titles adopted by new kings.	
	grants	understand about the resources of finance of king's establishment.	
	Warfare for wealth	understand about the role of Brahmins in the role of administration.	
		understand about the various authors who wrote eyewitness containing the history of kings.	
		understand that Kalhana, unlike the writers of Prashastis often critical about rulers	
		understand that the afghan warrior (Sultan Mahmoud of Ghazni) raided the sub-continent for wealth and wealthy temples.	
		understand about the other kings who engaged in warfare.	Describes, compares and contrasts the livelihood patterns and the geographical condition of the area inhabited, e.g., tribes, nomadic pastoralists and banjaras. In order to explain the relationship between livelihood pattern and geography.
	The Cholas		
	From Uraiyur to Thanjavur	understand how did the cholas rise to power. understand the Cholas' temples were to only places of worship; they were the hub of economic, social and	
	Splendid temples and bronze sculptors	cultural life as well	
	the empire	understand the administration of Chola government.	

Chapter 3	Topic	Learning Objectives	Learning Outcome
The Delhi sultans	Finding out about the Delhi sultans: •The expansion of Delhi sultanate	Students will be able: • To understand that the transformation of Delhi into a capital that controlled vast areas of the sub-continent • To understand various inscriptions, coins and architecture provide a lot of information to the historians. • To understand that authors advised rulers on the need to preserve an ideal social order based on birthright and gender distinctions. • control of Delhi sultans rarely went beyond heavily fortified towns occupied by garrisons. • To understand military expeditions into southern India started during the reign of Alauddin Khilji and culminated with Muhammad Tughluq. • To understand that Delhi sultans demonstrated their claims to be protectors of Islam and Muslims	Analyses administrative measures and strategies for military control adopted by different kingdoms, e.g.
	consolidation under the Administration and	• To understand that early Delhi sultans favored their special slaves called Bandagan and continued to use them to understand that slaves and clients were more loyal to their masters as a result the accession of a new monarch often saw conflict between the old and the new nobility. • To understand the three types of taxes and the revenue collectors (old chieftains and landlords)	Draws comparisons between policies of different rulers.
	The sultanate in the 15th and 16th century	Students will be able:	

- To understand the establishment of state after the

		emergence of new ruling groups like the Afghans and Rajputs.	
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Chapter 4	Topic	Learning Objectives	Learning Outcome
The Mughal Empire	• Mughal military Who were the Mughals:	• Mughals their ancestors and successors.	Analyses administrative measures
	• Mughal traditions of successions	• To understand various campaigns of Mughal military. To understand the Mansabdars position, ranks and responsibilities	and strategies for military control adopted by different kingdoms, e.g., the Khiljis, and Tughluqs, Mughals, etc.in order to compare and contrast them.
	• Mughal relations with other rulers	• To understand the relations of Mughals with other rulers (Rajput, Sisodia). • To understand the consequence of insulting	Draws comparisons between policies of different rulers in order to demonstrate evaluation skills.
	Mansabdars and Jagirdars.	Shivaji by Aurangzeb.	
	(i) Zabt and Zamindars	understand the main source of income, the revenue system of Mughals (Zabt).	
	Akbar policies The Mughal Empire in 17th Century and after.	understand the policies of Akbar as discussed by Abul Fazal in his book Akbar-Nama. understand the administrative and military efficiency of the Mughal Empire that lead to a great economy and commercial prosperity.	

Chapter 5	Topic	Learning Objectives	Learning Outcome
Medieval Architecture	and construction. •Engineering skills	Students will be able: • technologies of construction.	Describes distinctive developments in style and technology used for

	•Building temples, mosque and tanks. (i) Why were temple destroyed. (ii) Gardens, tombs and forts.	Students will be able: • To understand that building temples, mosque and tanks meant to demonstrate the power. • To understand that destruction of temples was due to the display of rulers their political might and military success. To understand the several important architectural innovations during Akbar's reign.	construction of temples, tombs and mosque with examples.
	Region and Empire	Students will be able: • To understand the traditions of one region adopted by another. To understand the creation of large empires that brought different regions under their rule help in this cross fertilization of artistic forms and architectural styles.	

Chapter 6	Topic	Learning Objectives	Learning Outcome
Towns, Traders and crafts persons.	Administrative centres: •Temple, towns and pilgrimage centres	Students will be able: • To be able to examine the difference between founded towns and those that grow as a result of trade. • To understand that there were many kinds of traders. Several traders specially horse traders	Describes distinctive developments in style and technology used for construction of temples, tombs and mosques with examples in order to analyse it in own vocabulary.
	A network of small towns: •Traders – big and •Crafts in towns	formed association with headman. be able to examine the difference between founded towns and those that grow as a result of trade.	

	Masulipatnam, Surat: A closer look: Hampi, The architectural splendour of Hampi A gateway to the west: Surat	Students will be able: - To understand that Surat was the emporium of western trade - To understand about the crafts persons of Bidar famous for their inlay work called Bidari To understand Hampi was the nucleus of Vijayanagar Empire and its architecture was	
	Fishing in troubled waters: Masulipatnam New towns and traders	distinctive. To understand about the town Masulipatnam that was under the control of Dutch and English East India company	

Chapter 7	Topic	Learning Objectives	Learning Outcome
Tribes, settled communities and their Development	Tribal Societies.	Students will be able: - To understand the societies in the sub-continent which did not follow the social rules and rituals prescribed by the Brahmans called tribal. - To understand that tribal people were found almost every region of sub-continent. Only their area and influence of tribe varied at different point of times. To understand the nomadic pastoralists moved over long distance with their animals and also known as - Banjaras.	Describes, compares and contrasts the livelihood patterns and the geographical condition of the area inhabited, e.g., tribes, nomadic pastoralists and banjaras. In order to explain the relationship between livelihood pattern and geography.
	New castes and hierarchies	To understand the various castes and in the society given them the status of Jaatis as per their economic activities like carpenters, smiths, masons etc. region and the ahoms migrated to Brahmaputra valley from Myanmar	

Chapter 8	Topic	Learning Objectives	Learning Outcome
Devotional paths And Religious Movement	The idea of Supreme God: *A new kind of Bhakti in South India- Nayanars & Alvars	Students will be able: • .To understand the idea of a supreme god. To be familiar with the emergence of religious movements led by Nayanars (Saints devoted to Shiva) and Alvars (Saints devoted to Vishnu)	Analyses factors which led to the emergence of new religious ideas and movements (bhakti and sufi)
	Philosophy of Bhakti: Basavanna's	understand the philosophies of Shankara (Kerala) and Ramanuja (Tamil Nadu)	
	The Saints of Maharashtra: Nathpanthis, Siddhas and Yogis	get acquaintance with the Marathi Saints, Poets (Eknath, Janeshwar, Naamdev, Tukaram, Sakkubai and the family of ChokhaMela)	
	Islam and Sufism	understand the Islam and Sufi saints	
	New religious developments in North India: Kabir Guru Nanak	analyze the new philosophies which reject all orthodox religion by Kabir and Guru Nanak	

Chapter 9	Topic	Learning Objectives	Learning Outcome
Development of Regional cultures	The Cheras and the development of Malayalam	understand the Chera kingdom of Mahodyapuram	Analyses administrative measures and strategies for military control adopted by different kingdoms, e.g.,

	Rulers and religious traditions: • The Jagannatha cult • The Rajputs and traditions of Heroism	Students will be able: - To understand regional cultures that grew around religious traditions like Jagannatha • (Literary Lord of the World, a name for Vishnu in Orissa). - To understand the Rajputana traditions often recognized as contributing to the distinctive	etc.in order to compare and contrast them.
	Beyond regional Frontiers: The story of Kathak	culture of Rajasthan Students will be able to familiarize with the history of	
	The Tradition of Painting for Patrons: Miniatures	dance of Kathak Students will be able to understand the tradition that developed in different ways was that of miniature painting.	
	• The growth of Bengal: • Pirs and Temples • Fish as food	Students will be able • To understand the growth of regional language Bengali, which is derived from Sanskrit? • To understand the rich culture of East Bengal where Mughals set up mosques that served as centers for religious transformation in these areas. - To understand the migrated West Bengal to South East Bengal merged their with the local peasants. • To familiarize with the traditional food habits	

of Bengali people.

Chapter 10	Topic	Learning Objectives	Learning Outcome
Political Formations During the 18th century	The crisis of the empire and the later Mughals: - Emergence of new states - The old Mughal provinces	Students will be able: - To understand that the Later Mughals were puppets in the hands of either one or other - Powerful groups. - To understand how the Mughal gradually fragmented into a number of regional states. To understand and to know about the old	Draws comparisons between policies of different rulers in order to demonstrate evaluation skills.
	Rajput The Watan jaghirs of the	Mughal- Hyderabad, Awadh & Bengal. Students will be able to know about various Rajput kings belonging to Amber and Jodhpur had served under the Mughals with distinction.	
	The ceasing Independence: - The Sikhs - The Marathas - The Jaats	Students will be able: - To understand the emergence of Khalsa by Guru Gobind Singh. - To understand the Sikhs inspired by Khalsa - beliefs declared their sovereign rule. To know about Shivaji who carved out a stable empire with the support of powerful warrior families. To understand the endless military campaigns by the Marathas. - To know about the Jaats who were prosperous agriculturists developed the kingdom of Bharatpur.	

SUBJECT: AI

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
April	Ch-1 : App Development	To know about the uses of App and how we can developed.	Try to develop an app using MIT App inventor	Using Demonstration in Computer Lab.	Student will be able to : • What is an App? • Types of Mobile Apps • Categories of Apps • Developing an app.
May	Ch-2: Krita-Image Editing	To know about how to edit an image .	Try to do activity given at page 41.	Using demonstration in Computer Lab	Students will be able to: • Downloading and Installing Krita. • Opening an image for editing • Understanding Krita Tools
July	Ch-3 : Advanced Features of Excel 2016 Ch-4 : Algorithmic Intelligence	To know about how to use excel to organise data effectively. To know about how information processing takes place using algorithm.	Do activity given at page 54.	Using Demonstration in Computer Lab	Students will be able to : • Form In excel • Filtering data • Using Subtotal Command • Using Pivot Table. Students will be able to : • Information processing • Conditions In a program

August	Ch-5: More on Make Code Arcade	To learn about coding concepts.	Do activity given at page 77	Using Demonstration in Computer Lab	Students will be able to: • Data types in Programming • loop • Bug • Apply Loops and Conditionals with Sequencing
September	Revision & Exams				
October	Ch-6: More On Python	To know about python programming concepts.	Do activity given at page 102.	Using Demonstration in Computer Lab	Students will be able to : • Data Types • operators • If statement • Nested If statement • If else statement.
November	Ch-7: AI Terminologies	To about the terminologies of AI	Do acitivity given at page 115	Using Demonstration in Computer Lab	Students will be able to : • Brief History of Human-machine Interaction • Components of human machine Interaction • Stages of Human Machine Interaction • Future of Human-machine Interaction.
December	Ch-8: Types of AI	To know about the different types of AI.	Do activity given at page 123.	Using Demonstration in Computer Lab	Studentwill be able to : • Weak AI • Strong AI • Super AI • Differences between human and machines.

	Ch-9: Smart Living	To know about the concept of Smart Living using AI			Student will be able to : • Concept of smart Living • Future Of AI
January	Ch-10: Fields Where Robots are Used	To know about the Applications of Robots or fields where we are using them.	Do activity given at page 149.	Using Demonstration in Computer Lab	Student will be able to : • Security and surveillance • Military • Cooking • Space Exploration • Underwater Research • Healthcare
February	Revision & Exams				

SUBJECT - GK

Book prescribed : Knowledge Trek

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
April	Our Environment	To make students aware about How we protect the environment globally.	Learn about habitat destruction and know about some organization .	Discussion Method with digital support	Students will learn about the different organization try to solve this problem .
May	India and the world	To make students aware about the world	Write about different personalities.	Explanation with the help of digital support	Students will learn about different nationalities of the world.
July	Science and Technology .	To make students aware about the	Write about ancient viruses ,scientists.	Topic would be discussed using web support	Students will learn about our scientific research and development .

		nuclear energy,net,virus .			
August	Art and culture .	To make students aware about the famous multi talented person	Write about different culture and civilization .	Topic will be discussed and explained using web support	Students will learn about different culture of india.
September	Sports & Entertainment .	To make students aware about different sports play around the world .	Write about sports tournaments ,martial arts .	Discussion Method with digital support	Students will learn about the athletic Events.
October	Entertainment& sports	To make students aware about different famous personalities Like TV hosts.	Learn many legends in Bollywood ,sports movies .	Topic will be discussed and explained using web support	”
November	Language & literature	To make students aware about different Languages spoken in india .	Learn about famous ancient books and their authors .	Discussion Method with digital support	Students will learn about popular writers & books .
December	Language & Literature	To make students aware about the different languages spoken in india .	Write about spiritual gurus and their famous writings	Topic will be discussed and explained using web support	Students will learn about famous personalities of india who are admired till today.
January	Smart mind	To make students aware about observation power.		Topic will be discussed and explained using web support	Students will learn about moral values/ and number fun .
February	Revision			Discussion Method with digital support	Students will revise

GRADE - VII
SUBJECT- FRENCH

TEXT BOOK : APPRENONS LE FRANÇAIS-3

MONTH	TOPIC	OBJECTIVES	ART INTEGRATION/ EXPERIENTIAL LEARNING	METHODOLOGY OF TEACHING / ART OF TEACHING	LEARNING OUTCOME
APRIL	Lesson-0 Vous connaissez la france?	-to learn culture and civilization of france.	-two students will choose one region and explain:geography,history,food,etc.	-through videos,map,oral discussion and explanation.	Students will be able to -learn about 13 regions of france. -learn geography of france. -learn symbols of the france.
	Lesson-1 Une nouvelle annee d'apprentissage	-to describe the quantity. -to describe french education system. -to reply negatively.	-translate different subjects in french. -to change positive phrases into negative.	-through videos,oral discussion,pronunciation.	Students will be be able to -do negative sentences. -tell articles. -tell poem.
	Lesson-2 Les reves et les ambitions de la famille	-to describe a person. -to speak about family.	- learn the placement of adjectives. -learn few adjectives which come before nouns.	-students give words to each other and change singular noun to plural noun and vice-versa.	Students will be able to -explain the nouns,adjectives.
MAY	Leçon-3 Une		-learn the infinitive after another	-students will be asked to	Students will be able to: -describe the day -tell the time -ask day,date,month

JULY	journee bien chargee	-to describe the day -to tell the time -to ask day,date,month	verb. -students will be taught time by using clock and changing it's needles	describe their routine	
	Revision of Periodic Test 1				
	Lecon-4 Une excursion au zoo				
AUGUST		-to use expressions with "avoir" -to question someone		-students will make sentences using expressions of 'faire'	-to speak about purchasing -use expressions with "avoir" -question someone
	Lecon-5 Le jour du shopping		-students will be asked to tell their favorite animal		Students will be able to: -speak about purchasing
	Decouvrons -1	-to speak about purchasing		-various flashcards of shops will be used to ask students to describe what they can buy in these shops	
	Decouvrons-2				
	Revision of Term 1 Exam		-to know the difference between 'savoir' and 'connaitre'		Students will be able to: -locate an object -conjugate ayer,oyer,uyer group of verbs
SEPTEMBER	Lecon-6 Ou se trouve le college Jean Renoir?				Students will be able to: -ask about the health -speak about
	Lecon-7 Protegeons notre			-to revise the conjugation of 'er' group of verbs	

OCTOBER	environnement	-to locate an object -to learn:ayer,oyer,uyer group of verbs	-to revise the prepositions	-to learn the vocabulary of geography	protection of our planet Students will be able to: -locate a place -speak about festivals
	Lecon-8 Une fete inoubliable	-to ask about the health -to speak about protection of our planet	-to reply at doctor's clinic		Students will be able to: -order a dish
	Lecon-9 Une belle soiree	-to locate a place -to speak about festivals		-to identify the festivals of france by using flashcards	Students will be able to: -speak about leisure activities and sports -write a letter
	Periodic Test -2 Revision		-to compare french festivals with indian festivals		
NOVEMBER	Lecon-10 Allons vite au stade	-to order a dish		-to learn three forms of imperatives	
	Decouvrons -3		-students will be tested on the vocabulary of utensils and cutlery		
	Decouvrons-4	-to speak about leisure activities and sports		-to learn all four types of interrogative objectives	
DECEMBER	Revision of Annual exam	-to write a letter	-students will be asked to describe		

JANUARY			their favorite sports and pastime		
FEBRUARY					

SUBJECT - ART

Books prescribed: - Creativity and Beyond

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of Teaching /Art of Teaching	Learning Outcome
April	1. Elements of	To introduce with different	Art integrated activity	Demonstrative and	Students will be able to

	Art 2. Understanding Perspective 3. Drawing from observation	shapes and color application techniques.	using different geometrical shapes.	Practical method.	know about different elements of art and the principles to use these elements.
May	1. Light and Shade 2. Drawing with Shapes	To develop the creative and aesthetical skills of the students.	Art integrated activity using different shapes.	Demonstrative and Practical method.	Students will be able to know about the different elements of art and the principles to use these elements.
July	1. Silhouette 2. Still life Study with different media 3. Vehicles-- Sports Car, Fighter Plane	To develop the creative skills.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
August	1. Building Study 2. Nature Study 3. Human Form Study	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
September	1. Portrait and Face Study 2. Study of Profile Face 3. Drawing Expressions	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
October	1. Drawing Hands and Feet 2. Drawing People in Action	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
November	1. Composition	To develop the creative and	Art integrated activity	Demonstrative and	Students will be able to

	and Landscape 2. Folk Art - Warli Painting	aesthetical skills of the students.	using different geometrical shapes.	Practical method.	develop their creative and aesthetical sensibilities.
December	1. Origami 2. Weaving Paper - Making a Photo – Frame	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
January	1. Craft Idea -- Stencils Making for Printing 2. Making a Calendar	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.
February	1. Activity with Scrapping 2. Assessment – Flipbook	To develop the creative and aesthetical skills of the students.	Art integrated activity using different geometrical shapes.	Demonstrative and Practical method.	Students will be able to develop their creative and aesthetical sensibilities.

Month	Topic	Objective	Art Integration/ Experiential learning	Methodology of teaching / Art of teaching	LearningOutcome
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April + May	Chap 1 Nutrition in Plants	Students will learn the following topics 1.Meaning of nutrition 2.Need of nutrition 3.Modes of nutrition 4. Autotroph and heterotrophs.	To show that CO ₂ is necessary for photosynthesis. 1.Take potted plant. 2 Cover its leaf with polythene for 2 days 3. On third day remove the polythene and test the presence of starch.	Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students	Knowledge Students will know 1. Importance of nutrition 2. How different types of plants obtain their food. 3.Interdependence of plants and other organisms 4. Role of decomposers in environment. Skills and competencies: Students will learn to practically enhance the fertility of soil naturally by growing legumes and using green manure.
	Chap 2 Nutrition in animals	The students will be able to understand the following topics 1. Intake and utilization of food by animals. 2. Digestion , absorption and assimilation 3. Details about human teeth 4. Digestion in grass eating animals. 5. Feeding and digestion in amoeba		Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students	Knowledge : Students will know 1. The different steps of nutrition in humans. 2. Organs involved and their role in the entire alimentary system 3. Differences between nutrition of humans and grass eating animals
	Chap 3 Heat				
	Chap 4 Acid , Base and salts	The students will learn the following topics 1.Heat and its sources. 2. Effects of heat. 3. Thermal expansion 4. Temperature 5. Measurement of temperature. 6.Transfer of heat 7.Conduction of heat		Teaching will be on offline mode in which students will be made to understand every topic of the chapter.	Skills and competencies : Students will be able

		8. Convection 9. Radiation The students will be able to understand the following topics 1. Meaning of acid , base and salt. 2. Classification of acid and bases. 3. Indicators 4. Uses of acid , base and salts. Students will be able to understand the following topics 1. Physical and chemical changes 2. Chemical reactions 3. Characteristics of chemical reactions 4. Types of chemical reactions Contd Students will be able to understand the following topics 1. Aerobic and anaerobic respiration 2. Internal and external respiration 3. Breathing 4. Respiration in lower organisms		Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by	to learn some homemade remedies to keep teeth and digestive system healthy. Knowledge : Students will be able to understand 1. Concept of heat and it's effectsMode of transfer of heat in solids , liquids and gases. 2. Mode of transfer of heat in vacuum. 3. Insulator and conductor of heat. 4. Land breeze and see breeze Skills and competencies Making of simple heaters by using different modes of heat transfer like convection , conduction etc. Knowledge : Students will know 1. About availability and utility of acid base and salts. 2. Acids found in different food items. 3. How to test acid
	Chap : 5 Physical and chemical change Chap 5 Physical and chemical change (contd.)				

	Chap 6 : Respiration in organisms	5. Respiration in plants. Students will be able to understand following topics. 1.Cause of transportation in body. 2. Human circulatory system. 3. Excretion in humans and animals. 4. Transportation in plants. Revision of syllabus Contd.	 To show the preventive methods against rusting by applying the oil , paint or grease on iron objects at home and compare these painted objects with the other which are exposed to air.	video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Contd. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter.	and bases 4. Properties of salts. Skills and competencies : Students will be able to make and use different indicators like china rose and red cabbage etc. Knowledge : Students will know 1. The basic difference between physical and chemical changes. 2.Effects of chemical reactions. 3. Types and uses of chemical reactions. Skills and competencies: Students will learn practically to prevent rusting of iron objects
	Chap 7 Transportation in animals	Students will be able to			

		understand the following topics 1. Modes of reproduction. 2. Asexual reproduction like fragmentation , budding spore formation etc. 3. Flowering plants and their reproductive parts 4. Pollination and fertilization 5. Formation of seeds and dispersal of seeds. Students will be able to understand following topics. 1.Measurement of time by ancient and modern methods 2. Concept of motion and speed 3. Types of motion 4. Distance time graph. Contd Students will be able to understand the following topics 1.Meaning of electric current. 2. Flow of electric current and its cause. 3. Electric components and circuit. 4. Cell and battery. 5. Heating effect of current and its applications	 To show the mechanism of breathing using plastic bottle , plastic tube , balloons , rubber sheet etc... 	Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include	Knowledge Students will know and understand 1.Mechanism of respiration in organisms 2. Difference between breathing and respiration. 3. Respiration in insects sand plants. Skills and competencies Students will develop the thinking and practical skills to know the release of carbon dioxide during exhalation
	Preparation of Half yearly exams Chap 7 Transportation in animals (Contd)				

	Chap 8 Reproduction in plants	6. Magnetic effect of current and its applications. The students will be able to understand the following topics 1. Concept of light. 2. properties of light 3. Reflection of light. 4. Plane mirror and image formation. 5. Spherical mirrors and image formation 6. Lenses and image formation.		displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students	Knowledge Students will know 1. The importance of transportation in organisms. 2. Various transportation organs and their functions. 3. Importance of excretion. Skills and competencies Students will learn the skills to keep their circulatory system healthy by doing special exercises..
	Chap 9 Time and motion.	The students will learn the following topics 1. Forests in India 2. Uses of forest 3. Interdependence of plants and animals 4. Food chain 5 conservation of forests.		Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include	

				displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students	
	Chap 9 Time and motion (Contd) Chap 10 : Electric current and it's effects	The students will be able to understand the following topics 1.Ways by which water is wasted and saved. 2. Dirty water and sludge 3. Sewage and its disposal 4. Diseases caused by dirty water 5. Water treatment plant. 6. Sanitation.	Activity : Materials required : measuring tape and stop watch. Make 2-3 of your friends run on a track of 100 m.. Stand at a finishing point and note down the time taken by your friends with the help of stopwatch. Now apply speed formula	Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students. Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include	Knowledge Students will know and understand 1. Differences between sexual and asexual reproduction in plants 2. Importance and utility of sexual and asexual reproduction in plants 3. How the nature helps plants in pollination and hence fertilization Skills and competencies Students will know how to produce a new plant asexually even at their homes , by means of cutting , grafting and other

	Chap 11: Light	Revision of whole syllabus. Annual Exam	and calculate it.	displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students Teaching will be on offline mode in which students will be made to understand every topic of the chapter. Methodology will include displaying the topics by video display on digital board and offline class lectures . Knowledge will be shared by discussing MCQ, organising quizzes etc. Hands on activities will increase interest among students	vegetative propagation methods. Knowledge Students will know 1.Need of measuring time. 2. Difference between the body at rest and motion 3. About various devices to measure time an , distance and speed. 4. Expressing the distance and time graphically. Skills and competencies Students will learn the skills to measure the time , distance and speed accurately by simple methods in their daily life. Knowledge : Students will know 1.The actual cause of flow of electric current. 2. About conductor and insulator. 3. Utility of different electric components. 4. Practical uses of
			Burning of paper using convex lens which will make students understand the behavior of lens in presence of		

	Chap 12 Forests		parallel light Rays. 2. Obtaining the image of flame of candle on screen using convex lens in labs. Hence knowing the nature of image formed		effects of electric current. Skills and competencies: Students will learn to make simple circuits by using cell and battery and use them for emergency light in case of electricity cut. Knowledge : Students will know 1. Some natural phenomena related to light. 2. Behavior of light in different media. 3. Differences between real and virtual image. 4. Uses of spherical mirrors and lenses Skills and competencies : Students will be able to handle optical instruments like spherical mirrors and lenses and learn to produce different type of images by these instruments which will further help them apply these skills to make kaleidoscope, magnifying glass.
	Chap 13 Waste water story				

					Knowledge Students will be able to understand 1. Need and importance of forests 2. Utilities of forests 3. Classification of different organisms on the basis of food chain. 4. How to conserve forests on large scale Skills and competencies The students will be able to learn how to plant different types of trees in available spaces and make best use of these trees and hence help in enhancing greenery. Knowledge : Students will know 1. Harmful effects of dirty water 2. Disinfection of water to make it fit for drinking 3. Drainage system. Skills and competencies : Students will be able to purify dirty water at home by using different easy techniques like
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