

ANNUAL CURRICULUM PLAN**SUBJECT- SST****CLASS-VIII (2023-24)**

Month	No. of Working Days	History	Civics	Geography	Skills to be developed	Learning outcomes
April	25	Ch.1 modern India Chapter 2 colonization of India	Ch.1 The Indian constitution	Ch.1 Resources	Debate and discussion skill Problem based learning Experiential learning	Students will be able to: Analyze the available resources about the modern period. Understand the vision and the values of the constitution. Know about the Meaning, availability and conservation of the Resources.
May	14	Ch. 3 the companies civil administration and revenue policy	Ch. 2 :- Understanding secularism Chapter 3 our fundamental rights and duties	Ch.2 land soil and water resources Chapter 3 natural vegetation and wildlife	Enquiry based learning Project based learning and problem based learning Case study analysis	Students will be able to: Tell about the revenue policy and administrative system of the Britishers. Understand the value of natural resources and take initiative towards conservation. Infer the value of secularism in multi-religious nation.
June	Summer vacations					
July	26	Chapter 4 tribal resistance chapter 5 the revolt of 1857	Chapter 4 parliamentary government the union legislature	chapter 4 mineral and energy resources	Technology integration Role playing Multi-Disciplinary approach	Students will be able to: Tell about the revenue policy and administrative system of the Britishers. Know about their rights and duties Identify and locate the places of mineral occurrence.

August	25	Chapter 6 colonialism and urban change	Chapter 5 parliamentary government the union executive		Case study analysis Collaborative learning	Students will be able to: Tell about the reasons, events and results of the revolt. Gain a sense of the essential elements of the Parliamentary Government.
September	25	Half yearly exams				
October	22	Ch. 7 Craft and industries chapter 8 education and British rule	Ch6 the judiciary Chapter 7 Role Of Police and Courts	chapter 5 agriculture	Collaborative learning casestudy analysis self-Assessment	Students will be able to: Differentiate the Indian education system and British education system during Modern Period.Know the role of executive in parliamentary government. Tell about various type of farming practices.
November	21	Ch. 9 Women caste reform:- Chapter 10 changes in art and architecture	Chapter 8 marginalized groups and social justice	Chapter 6 industry	Case study analysis debateand discussion role playing simulation games	Students will be able to: Visualize the change in woman's condition andcaste Reforms.
December	25	Ch. Rise of Indian nationalism :-Chapter 12 national movement fulfillment	Chapter 9 public facilities and social justice	Chapter 7 human resource		Understand the structure and functioning of Judiciary. Understand important forms of manufacturing industries.
January	17	Chapter 13 India after independence	Chapter 10 laws and publicwelfare		Technology integration problem based learning enquiry based learning	Students will be able to: Understand the reasons of the development of Nationalism in India. Understand the role of Police and Court in their life.

CIVICS: Ch.2,3

HALF-YEARLY EXAMINATION:

History :CH :- 1,2,3,4,5,6

Geography :- CH. 1,2,3,4

Civics :- 1,2, 3, 4,5

PT-3 :-

HIS :- Ch. 7,8

GEO :- CH 5

CIVICS :- CH. 6,7

ANNUAL EXAMINATION

CIVICS :- Ch.6,7,8,9,10

HISTORY :- CH. 7,8, 9,10, 11, 12 ,13

GEOGRAPHY :- Ch.,6,7,8,9

Text Book: Social studies(our world then and now)

Annual curriculum plan
(Music)
Class 8th

MONTH	NO OF PERIODS	SONGS
APRIL	4	Introduction to Alankaar and Harmonium and National Anthem
May	2	Gayatri Mantra, Barsa Data (Song), Jungle Book (Song)
June	-----	Summer Vacation
July	4	National Anthem, Hum Honge Kamyab
August	4	Vande Matram, Subeh Savere Lekar Tera Naam Prabhu, We shall Overcome
September	-----	Mid term
October	4	Gayatri Mantra (Repeat), Ae Maalik Tere Bande Hum
November	4	Jingle Bell, A Gift to you
December	4	Teri Hai Zameen Tera Aasman, A gift to you
January	4	There Shall be Shower of Blessings, Barsa data
February	4	Revision + assessment annual examination

BOHRA PUBLIC SCHOOL
CURRICULUM PLANNER (2023-24)
SUBJECT: ENGLISH

Month	No. of Working Days	Literature (Reading)	Grammar	Writing	Learning Outcomes	Teaching Pedagogy
APRIL	23	Ch-1 The Conceited Python, Ch-2 A Day with Albert Einstein	Sentence, Noun	Notice, Diary Entry	After going through the given syllabus, students will be able to think about and analyze the text, use noun and sentence appropriately.	Group Discussion (Ch1 -Wild life)
MAY	14	Ch-3 Lines Written in Early Spring (Poem), Ch-4 Marching with the Mahatma	Determiners, Present Tense	Factual Description	After going through the given syllabus, students will be able to read and comprehend the text, use grammar correctly.	DEAR Activity (Ch 4)
JUNE	SUMMER VACATIONS					
JULY	26	Ch-5 Self Portrait of a Computer Nut, Ch-6 Sea Fever (Poem), Ch-7 He Changed Geography	Past Tense, Future Tense, Pronoun	Letter Writing (Formal)	After going through the given syllabus, students will be able to read, examine and evaluate language style, meaning and message, write the letter with proper format without grammatical errors.	Jigsaw Method (Tense)
AUGUST	25	Ch-8 The Bennets at Home, Ch-9 Indian Weavers (Poem)	Verb, Adjective	Article Writing	After going through the given syllabus, students will be able to use adjectives and verbs properly,	DEAR Activity (Ch 8)

					write article with improved vocabulary.	
SEPTEMBER	25		REVISION	AND HALF	EXAMINATION	
OCTOBER	22	Ch-10 Life During War, Ch-11 The Real Story	Voice, Adverb	Speech Writing	After going through the given syllabus, students will be able to think and analyze on the basis of reading of the text, use voice properly in sentences.	Debate (War)
NOVEMBER	21	Ch-12 Everybody is doing it (poem), Ch-13 Travelling through the Mountains, Ch-14 Lucy visits her Father	Preposition, Conjunction	Story Writing	After going through the given syllabus student will be able to read, understand and infer, use conjunctions correctly, write a short story without grammatical errors.	DEAR Activity (Ch 12)
DECEMBER	25	Ch-15 Birds of Paradise (Poem), Ch-16 The thieves who could not stop sneezing, Ch-17 Winter (Poem)	Speech/Narration	Letter Writing (Informal)	After going through the given syllabus student will be able to improve vocabulary and language skills, write formal letter in proper format.	Brainstorming (Ch 14)
JANUARY	17	Ch-18 The Merchant of Venice, Ch-19 Break, Break, Break (Poem)	Modals	Debate, Biography	After going through the given topics students will be able to read, understand and infer, make correct use of modals, write debate.	PEER Learning (Ch 17)

FEBRUARY	25	Revision	Revision			Role Play (Ch 18)
MARCH	13		ANNUAL	EXAMINATION		

SUBJECT ENRICHMENT ACTIVITIES:

ACTIVITY-1 Conversation

PARAMETERS: Grammar, Participation, Confidence, Fluency

ACTIVITY-2 Role Play

PARAMETERS: Emotions, Confidence, Pronunciation

ACTIVITY-3 Debate

PARAMETERS: Content, Confidence, Participation

ACTIVITY-4 Extempore

PARAMETERS: Relevance to the Topic, Confidence, Expression

NOTE BOOK ASSESSMENT

PARAMETERS: Neatness, Punctuality, Assignment Completion, Follow-up

SYLLABUS SPLIT-UP FOR EXAMINATIONS

PT-1:

Literature: Ch-1, 2

Grammar: Sentence, Noun

Writing: Notice, Diary Entry

PT-2:

Literature: Ch-3, 4, 5

Grammar: Tense (Full), Determiners

Writing: Letter (formal), Factual description

HALF YEARLY EXAMINATIONS:**Literature:** Ch-1 to 9**Grammar:** Tense, Determiners, Pronoun, Verb, Adjective, Noun, and Sentence**Writing:** Notice, Diary Entry, Letter (formal), Factual description, Article Writing**PT-3:****Literature:** Ch-10, 11**Grammar:** Voice, Adverb, Preposition, Conjunction**Writing:** Story Writing, Speech**ANNUAL EXAMINATIONS:****Literature:** Ch-10 to 19 (Ch. 2 from first term)**Grammar:** Voice, Adverb, Preposition, Conjunction, Narration, Modals (Determiners, Sentence from first term)**Writing:** Story Writing, Speech Writing, Letter (Formal and Informal), Debate, Article Writing**Books:** Networks- A complete course in English (Literature) by Ratna Sagar

Grammar and More by Ratna Sagar

**SUBJECT- HINDI
CLASS-VIII(2023-24)**

महीनों के नाम	कार्य दिवस संख्या	पाठ संख्या और पाठ का नाम	व्याकरण	लेखन	सीखने का परिणाम या प्रतिफल
अप्रैल	23	पाठ 1 - पंख लगा उड़ जाएं पाठ 2- शिक्षक के नाम पत्र	पाठ 1 भाषा बोली लिपि तथा व्याकरण पाठ 2 वर्ण विचार शब्द भंडार	संवाद लेखन	छात्र कविता का सस्वर वाचन करना सीख पाएंगे छात्र पत्र विधा से अवगत होंगे व अब्राहम लिंकन के जीवन से

					अवगत होंगे
मई	14	पाठ -3 - सयानी बुआ पाठ - 4 - सूरदास - बाल वर्णन	पाठ 3 वर्तनी व्यवस्था पाठ 4 उच्चारण और वर्तनी पाठ 5 शब्द विचार	पत्र लेखन	छात्र अनुशासन तथा कठोरता के अंदर छिपी मानवीय भावनाओं को पहचान पाएंगे और अनुशासन में रहना सीख पाएंगे छात्र श्री कृष्ण की बाल लीलाओं के बारे में जान पाएंगे
जून		ग्रीष्मकालीन अवकाश			
जुलाई	26	पाठ 5 -भूल का एहसास पाठ 6 बेंजी का बड़ा दिन	पाठ -12 उपसर्ग पाठ 13 प्रत्यय पाठ -30 मुहावरे ,लोकोक्तियां	अनुच्छेद लेखन	छात्र वृद्धों का मान सम्मान करना सीख पाएंगे बांसी दूसरों की सहायता के लिए प्रेरित होंगे व चित्र वर्णन करना सीख पाएंगे
अगस्त	25	पाठ -7 कल पाठ,-8- हींग वाला	पाठ 14 समास पाठ 15 संज्ञा पाठ 16 लिंग पाठ 17 वचन पाठ 18 कारक	सूचना लेखन	समय के महत्व को समझेंगे चिंतन तथा मदन कौशल का विकास होगा संवाद बोलने में कुशलता प्राप्त

					कर सकेंगे
सितंबर	25	पुनरावृत्ति कार्य अर्धवार्षिक परीक्षा	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	
अक्टूबर	22	पाठ 9 --कुदरत हमको सिखलाती है पाठ 10 - आपबीती	पाठ 19 सर्वनाम पाठ 20 विशेषण 21 क्रिया	ईमेल लेखन विज्ञापन लेखन	माध्यम से छात्र प्रकृति से मिलने वाली सीखो अपने जीवन में अपना पाएंगे छात्र आत्मकथा किस विधा से अवगत होंगे वह समाज में फैले अंधविश्वासों से अवगत होंगे
नवंबर	21	पाठ 11 -डायरी के पन्ने पाठ 12 - अटूट बंधन	शब्द भंडार पाठ 22 काल पाठ 23 वाच्य पाठ 24 अविकारी शब्द	ई समाचार पत्र लेखन	छात्र डायरी विधा से अवगत होंगे वह कन्याकुमारी के अद्वितीय सौंदर्य का आनंद ले सकेंगे रक्षाबंधन के त्यौहार के महत्व को जान सकेंगे व एकांकी का मंचन करके अभिनेता तथा अभिव्यक्ति कौशल का विकास कर पाएंगे
दिसंबर	25	पाठ 13- मित्रता पाठ 14- न्याय मंत्री	पाठ 25 पद परिचय पाठ 26 वाक्य विचार	अपठित गद्यांश अपठित	विद्यार्थी अच्छी में बुरी संगति की पहचान कर सकेंगे वे सत्संगति

			मुहावरे लोकोक्तियां	काव्यांश	का महत्व सीख पाएंगे ऐतिहासिक घटनाओं से परिचित होते हुए सच्चे न्याय के बारे में जान पाएंगे वह निडरता साहस और कर्तव्य परायण जैसे गुणों का विकास कर पाएंगे
जनवरी	17	पाठ 15- पहली बूंद पाठ 16- नन्ना दीपक	पाठ 27 पद क्रम तथा अन्वय पाठ 28 विराम चिन्ह पाठ 29 अलंकार	सूचना लेखन संवाद लेखन	छात्र विभिन्न रत्नों के बारे में जानकारी जलचक्र को समझेंगे व वर्षा के जल को संचयन करने के विभिन्न तरीकों को जान पाएंगे छात्र अपने कर्तव्यों का निर्वाह करना सीख पाएंगे
फरवरी	25	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	पुनरावर्तन	
मार्च	13	वार्षिक परीक्षा			

परीक्षा पाठ्यक्रम

प्रथम इकाई परीक्षा –पाठ १. पंख लगा उड़ जाए , पाठ२ शिक्षक के नाम पत्र, व्याकरण -पाठ 1 भाषा ,बोली ,लिपि तथा व्याकरण,पाठ 2 वर्ण विचार, शब्द भंडार ,अनौपचारिक पत्र , संवाद लेखन ,अपठित गद्यांश

द्वितीय इकाई परीक्षा - पाठ 3 सयानी बुआ, पाठ 4 सूरदास बाल वर्णन ,व्याकरण - पाठ 4 संधि, पाठ 5 शब्द -विचार, शब्द -भंडार, अनुच्छेद लेखन, पत्र लेखन ,अपठित गद्यांश

अर्धवार्षिक परीक्षा-

पाठ्यपुस्तक -पाठ 1 से पाठ 8 तक

व्याकरण -पाठ 1 से 20 तक

लेखन - पत्र लेखन ,अनुच्छेद लेखन, संवाद लेखन, सूचना लेखन , विज्ञापन लेखन, ईमेल लेखन,अपठित गद्यांश, अपठित काव्यांश ।

तृतीय इकाई परीक्षा - पाठ 9 कुदरत हमको सिखलाती है , पाठ 10 आपबीती, पाठ 11 डायरी के पत्रे

व्याकरण - सर्वनाम ,विशेषण ,क्रिया, शब्द भंडार , ईमेल लेखन , पत्र लेखन ,अपठित गद्यांश

वार्षिक परीक्षा पाठ्यक्रम -

पाठ्यपुस्तक - पाठ 5 से 16 तक

व्याकरण - पाठ 21 से 29 तक, शब्द भंडार, संधि, समास, उपसर्ग व प्रत्यय, मुहावरे -लोकोक्तियां ।

लेखन - संवाद लेखन, सूचना लेखन, विज्ञापन लेखन, ईमेल लेखन, पत्र लेखन, अनुच्छेद लेखन।

विषय संवर्धन गतिविधि

1. वृद्ध आश्रम नहीं रिश्तो का आरंभ है या पुराने रिश्तों की समाप्ति विषय पर कक्षा में वाद विवाद
2. समय का महत्व बताने वाले दोहों का संकलन कर दोनों की एक पुस्तक तैयार कीजिए।
- 3 . मानवी धर्म ही सच्चा धर्म है इस विषय से संबंधित पांच स्लोगन तैयार करें।
4. राजा विक्रमादित्य की न्याय की कहानियों को पढ़कर उनमें से किसी एक कहानी पर कहानी लिखें।
5. हरियाणा तथा तेलंगना की ऐतिहासिक इमारतों की जानकारी एकत्र करके प्रोजेक्ट फाइल बनाएं।

**CURRICULUM
PLAN
SUBJECT- SANSKRIT
CLASS- VIII (2023-2024)**

मासाः	कायाठदिसाः	पाठ िमांक और नाम	वयाकरर्	अपठठत – अिबोधन	पिपिध कौशिता
अप्रैि	25	L-1 सूक्कतमौक्कतकम् L-2 श्रगृ ािस्स्य चतुयाम्	िर्ा-पिचार, सक्न्धाः	अपठठत,गद्यांश -	छात्र पाठ पढने के बाद श्िोकों का स्िर गायन की जानकारी प्राप्त कर सकेंगे
मई	27	L-3 िन-महोत्सि L-4 बािाः नचचके ता	प्रत्ययाः	पत्रिखनम्	छात्र प्रत्यय के पिषय में जानकारी प्राप्त करेंगे
जून			ग्रीष्मकािीन अिकाश		
जुिाई	26	L-5 नीनत श्िोकाः L-6 चन्नगुप्तस्य न्याय	अवयय, उपपदपिभक्कत	अपठठत गद्यांश 'चचत्रिर्ानम्	छात्र पाठ पढने के बाद उपपदपिभक्कत और अवयय की जानकारी प्राप्त करेंगे
अगस्त	25	L-7 महाकपिः कालिदासाः L-8 भारतरत्नम् डॉ किमाः	शब्दरूप, धातुरूप, समयिखनम्, सांख्यािाची	अपठठत गद्यांश, सांस्कृ त अनुिाद	छात्र पाठ पढने के बाद डॉ किाम के पिषय में गहन जानकारी प्राप्त कर पाएँगे
लसतांबर	25	पुनरािृ त्त अदाधिपषाक परीक्षा			
अक्टू बर	22	L-9 मूखाः गांगदत्ताः L-10 गीता अमत् म्	अशुद्धि – संशोधन	सांिाद िेखन	छात्र पाठ पढने के बाद गीता के पिषय में जानकारी प्राप्त कर पाएँगे

निम्बर	21	L-11 ऋतुबोधाः L-12 भारतीयम् िङ्गयम्	समास	चचत्र िर्ान	समास के पिषय में जानकारी प्राप्त करेंगे
ठदसम्बर	25	L-13 हास्यािापाः L-14 धूतातायाः फिम	सांस्कृ तनुिाद	अपठठत गद्यांश	अनुिाद करें

जनिरी	17	L- 15 ठदल्िीभ्रमर्म	सक्न्ध और समास	प्रिखन	ठदल्िी के प्रमुख स्त्र्थिों के पिषय में जानकारी प्राप्त करेंगे
फरिरी	25	पुनरािपृ त्त िापषाक परीक्षा			
माचा	13	िापषाक परीक्षा			

ठियम क्रियाकिपाः

- तेिांगाना और हररयार्ा (क्रियाकिप)
- िन-महोत्सि।
- गीतामतम
- हास्यािापाः
- ठदल्िीभ्रमर्म
- प्रर्थम इकाई परीक्षा—पाठाः एकाः, पाठ दपितीयाः, अनुच्छे द, सांस्कृ तानुिाद, िर्ा-पिचार, सक्न्ध ।
- दपितीय इकाई परीक्षा — पाठ ततीयाः, िन-महोत्सि, पाठाः चतुर्थाःा बािाः नचचके ता, प्रत्यय, अनचु छे द, सस्ां कृ तानु ाद
- अद्ाधिपषाक परीक्षा —पाठ्यपुस्तक पाठाः (1,2,3,4 5,6,7)
अनुच्छे द, पत्रिखनम्, चचत्रिर्ान, सांस्कृ तानुिाद, सक्न्ध, िर्ा-पिचार, शब्दरूप, धातुरूप, उपपदपिभक्कत, सांख्यािाची, समयिखन, अवयय आठद।
- ततीय इकाई परीक्षा - पाठाः अष्टाः भारतरत्नाः डॉ किमाः, पाठाः निमाः मखाःाू गांगदत्ताः, समास, अनचु छे द, सस्ां कृ तानु ादाः।
- िापषाक – परीक्षा - पाठ्यपुस्तक पाठाः (8,9,10,11,12,13,14,15)

Subject: MATHEMATICS

CLASS – VIII(2023-2024)

MONTH	WORKING DAYS	CHAPTER NAME	EXPECTED LEARNING OUTCOME	ACTIVITY	SKILLS TO BE DEVELOPED
APRIL	23	RATIONAL NUMBER (CHAPTER 1)	Students will be able to: Understand the properties of operations on rational numbers. Represent rational numbers on number line.	Representation of rational no. on number line.	Problem solving Experiential learning Conceptual learning
MAY	14	EXPONENTS (POWER) (CHAPTER 2)	Students will be able to: Deal with the exponents of rational numbers. Generalize the laws of exponents.	Make a formula chart based on formulas related to exponents and powers.	Multidisciplinary approach Conceptual learning

JUNE	SUMMER VACATION				
JULY	26	(CHAPTER2) <ul style="list-style-type: none"> SQUARE AND SQUARE ROOT CUBE AND CUBE ROOT (CHAPTER 8) DATA HANDLING	Students will be able to: Find square roots and cube roots of integers. Make hypothesis on future events on available data.	Writing the squares and cubes of first 25 Natural Numbers on A3 size sheet. Considering a particular situation and represent it with different graphs.	Creativity and innovation
AUGUST	25	(CHAPTER 5) RATIO AND PROPORTION	Students will be able to: Recognize and apply ratios and proportions to solve real life problems.	Observe 10 Real Life situations and classify them as direct or indirect proportion.	
SEPTEMBER	25	REVISION AND HALF YEARLY EXAMINATION			
OCTOBER	22	(CHAPTER 4) ALGEBRAIC EXPRESSION	Students will be able to: Classify algebraic expression on the basis of no. of terms and degree.	Verify that $(x+y)^2=x^2+y^2+2xy$ by cut and paste method.	Conceptual learning Problem solving Critical thinking
NOVEMBER	21	(CHAPTER 6) UNDERSTANDING SHAPES	Students will be able to: Differentiate between objects and memorize how shapes are different from one another.	Draw the different types of 2D shapes on A3 sheet and write their properties (jigsaw).	Learning by doing. Creative and Innovation Experiential Learning
DECEMBER	25	(CHAPTER 7) MENSURATION	Students will be able to:	Draw different shapes and write the formula to	Problem solving Experiential

			Estimate volume and areas of different 3D shapes.	find its Area , Perimeter and volume.	learning Conceptual Learning
JANUARY	17	(CHAPTER 9) INTRODUCTION TO GRAPHS	Students will be able to: Plot points for different situation and understand Cartesian system.	Collect the information about the temperature of your city on a particular day At different times and Represent it on a graph paper.	Experiential learning Problem solving
FEBRUARY	25	REVISION FOR ANNUAL EXAM			
MARCH	13	ANNUAL EXAM			

Exam wise Syllabus Distribution:

PT 1: Ch. 1: Rational numbers

Ch. 2: Powers and Exponents

PT 2 : Ch. 3: Square Roots and Cube Roots

Ch. 8: DATA HANDLING

Half Yearly: 1, 2, 3, 5, 8

PT 3: Ch.4: Algebraic expression

Ch.6 Understanding shapes

Annual Examination:2,3,4,6,7,8,9

Textbook:

Mathematics, VIII, Prachi Publications by SANJEEV VERMA and R.K. TYAGI

Subject Enrichment Activities:

Activity 1: To represent rational numbers on number line.Parameters: Neatness, Correctness, Presentation

$$111^2 = 1\ 2\ 3\ 2\ 1$$

Parameters: Creativity, Understanding, Mechanics (error)

Activity 5: To prove the following algebraic identity by paper cutting and pasting

$$a^2 + b^2 = a^2 + 2ab + b^2$$

Parameters: Presentation, Material/On time, Organization

Activity 6: To verify that the diagonals of a rectangle are of equal length.

Parameters: Knowledge, Methodology, Diagrammatic skill

Activity 2: To verify that the sum of interior angles of a quadrilateral is 360° by paper cutting and pasting.

Parameters: Presentation, Material, Neatness

Activity 3: To identify convex and concave polygons by paper folding.

Parameters: Presentation, Material, Methodology

Activity 4: To observe the number patterns and generate it to next level.

$$1^2 = 1$$

$$11^2 = 1\ 2\ 1$$

**ANNUAL CURRICULUM PLAN
SCIENCE(2023-2024)
CLASS VIII**

Month	Working Days	Lesson No. & Name	Activities/ Practical - Lab	Learning Outcomes	Skills
April	23	Lesson-1,Crop Production and Management Lesson-2, Microorganisms :Friend and Foe	* To prepare compost at home * Experiment showing fermentation of dough	*Students will be able to understand the concept of increasing the fertility of soil. *Students will be able to explain different types of microorganisms, role of microorganisms in commercial purpose	*critical thinking *collaboration *experimenting *observing qualities
		Lesson-3, Synthetic fibers and plastics	*Testing various materials- for action of water, effect of flame, electrical conductivity, thermal conductivity, tensile strength.	*Students will be able to understand characteristics of different fibers, differentiate between thermoplastic and thermosetting plastic , uses of plastics etc.	*experimenting *observing qualities
May	14	Lesson-4 Metals and Non-metals	* To show that magnesium ribbon reacts with oxygen to form MgO which is basic in nature	*Students will be able to understand physical and chemical properties of metals and non-metals, displacement reactions.	*critical thinking *collaboration
June	0	Summer Vacation			

July	25	<p>Lesson-5 Combustion and flame</p> <p>Lesson-6 Conservation of plants and Animals</p> <p>Lesson-7 The cell</p>	<p>* Experiments to show that air is necessary for combustion</p> <p>* Make a list of flora and fauna found in different sanctuaries and national parks of Telangana.</p> <p>* Use of a microscope, preparation of a slide, observation of onion peel.</p>	<p>*Students will be able to understand types of combustion, calorific value, parts of flame etc.</p> <p>*Students will be able to understand causes and consequences of deforestation, national parks, wild life sanctuary.</p> <p>*Students will be able to understand structure and functions of cells, their organelles, difference between plant and animal cell</p>	<p>*experimenting</p> <p>*observing qualities</p> <p>*leadership and Responsibility</p> <p>*initiative and self-direction</p> <p>*critical thinking</p> <p>*collaboration</p>
August	25	<p>Lesson-8 Reproduction in Animals</p> <p>Lesson-9 Reaching the age of adolescence</p>	<p>*To observe the life cycle of frog</p> <p>*Discussion on Gender issues and social taboos. * draw a table of important glands and their functions.</p>	<p>*Students will be able to understand about importance and modes of reproduction, sexual and asexual reproduction, in-vitro fertilization.</p> <p>*Students will be able to understand about adolescence, puberty, sexual characteristics</p>	<p>*critical thinking</p> <p>*critical thinking</p>
September	25	Revision of half-yearly examination			
October	22	<p>Lesson-10, Force and pressure</p> <p>Lesson-11, Friction</p>	<p>*To show that the pressure exerted by a liquid at the base of a container depends upon the height of the liquid column.</p> <p>*To see the effect of friction on different</p>	<p>* Students will be able to aware about types and force and pressure, atmospheric pressure</p>	<p>*leadership and Responsibility</p> <p>*initiative and self-direction</p>

		Lesson-12 Sound	<p>surfaces</p> <p>*To observe the sound produced by jaltarang.</p>	<p>*Students will be able to understand types of friction, advantage and disadvantage of friction</p> <p>*Students will be able to define sound, amplitude, loudness, pitch, noise and time period.</p>	<p>*collaboration</p> <p>*communication</p>
November	21	<p>Lesson-13 Chemical effect of electric current</p> <p>Lesson-14 Some natural phenomenon</p> <p>Lesson-15 Light</p>	<p>*To check the conductivity of different liquids.</p> <p>*To study the charging of some materials by rubbing</p> <p>*To find out number of images formed by 2 mirrors placed at 90° to each other</p>	<p>*Students will be able to identify chemical effects of electric current, process of electrolysis and electroplating</p> <p>*Students will be able to understand about lightning conductor, earthquake, and properties of charge.</p> <p>*Students will be able to understand reflection, dispersion of light, ray diagrams, structure of eyes etc.</p>	<p>*critical thinking</p> <p>*collaboration</p> <p>*communication</p> <p>*leadership and Responsibility</p> <p>*initiative and self-direction</p> <p>*experimenting</p>
December	25	Lesson-16 The Universe	<p>*Observing and identifying the objects moving in the sky during the day and at night. Design and preparing chart of the solar system.</p>	<p>*Students will be able to understand about celestial bodies, phases of moon, constellation and artificial bodies</p>	<p>*communication</p> <p>*initiative and self-direction</p>

January	17	<p>Lesson-17 Coal and petroleum</p> <p>Lesson-18 Pollution of air and water</p>	<p>* To make a project on extraction and usage of petroleum byproducts.</p> <p>*Poster on reducing Air and Water Pollution.</p>	<p>*Students will be able to understand exhaustible and inexhaustible natural resource, types and properties of coal etc</p> <p>*Students will be able to define air, water, global warming, and ways to control air and water pollution.</p>	<p>*leadership and Responsibility</p> <p>*initiative and self-direction</p> <p>*experimenting</p> <p>*observing qualities</p>
February	25	Revision of Annual Examination			
March	13	Annual Examination			

SUBJECT ENRICHMENT ACTIVITIES-

1- Experiment showing fermentation of dough

Parameter- Apparatus handling (2), Observation and conclusion (3).

2- Use of a microscope, preparation of a slide, observation of onion peel

Parameter- Apparatus handling (2), Observation and conclusion (3).

3- To show that sound travels through solids.

Parameter- Apparatus handling (2), Observation and conclusion (3).

4- To find out number of images formed by 2 mirrors placed at 90° to each other

Parameter- Presentation (2), Innovative idea (2), Neatness(1).

NOTEBOOK ASSESSMENT-Neatness, Regularity, Assignment completion, Follow up.

EXAMINATION SYLLABUS-

PT-I Lesson-1, 2 and 3

PT-2 Lesson- 4, 5 and 6

HALF-YEARLY EXAMINATION- Lesson- 1, 2, 3, 4, 5, 6, 7, 8 and 9
PT-III Lesson- 10, 11 and 12

ANNUAL EXAMINATION-Lesson-10, 11, 12,13,14,15,16,17,18 and 30% half-yearly exam syllabus.

PREScribed	BOOK-	LEARNWELL	SMART	SCIENCE
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