

DELHI PUBLIC SCHOOL

Bokaro Steel City

TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS – VII FOR THE SESSION 2018-2019

Subject : English

- Text Books :**
1. New Aster – VII, (LR) Pearson Longman)
 2. Collins English Grammar & Composition – VII (Collins) Wk Bk
 3. Extended Reading Book (Macbeth) ER (Scholastic)

Month	W. D.	Book/ Area	Unit/Chapter	Proposed Activities	Value/Real Life Situation
April	21	L.R	The Diamond Necklace (Prose)	1. Notice writing advertisement Paragraph writing Ppt or chart preparation on different types of noun and its types	Value: Love and respect for one's Cultural heritage.
		MCB Work Book	The Bangle Seller (Poem) Daddy Long Legs Ch 14 Articles Ch 1 Noun Ch 2 Adjectives Introduction to main Characters, A National Hero, A Prophecy (7-9)		
May	05	LR	1. The vagabond(Poem)	Diary entry Travlogue Smart Board usage for elaboration of Grammar topics	Love and respect for nature and its resources.
June	15	LR	The Boy with a catapult (prose) The last Bargain (Poem)	Poster making Article writing Dialogue writing Prepare a chart having a list of traditional games	Love and respect for our Traditional Games
		Work Book	Ch 3 Pronoun Ch 4 Transitive and Intransitive Verb Ch 5 Agree ment of subject and verbs Ambition, A Royal Visit (Pg no. 10 – 13)		
July	22	L.R	The Mind Reader A green Cornfield (Poem)	Discussion on folk tales	Nature reflects Celebration of life.
		MCB Work Book	Dal Delight Ch 6 Primary and Modal Auxiliaries Ch 7 Expressing the present Ch 8 Expressing the past The Ghostly Dagger, The deed is done (14 – 17)	Chart preparation on different crusines of India	Value the natural resources
August	22	L.R	A Mystery Unfolds (Prose) Stopping by Woods on a Snowy Evening (Poem)	Story writing group research work – Importance of footprints and fingerprints in solving crime	courage helps to overcome difficult situation
		MCB Work Book	Nat Ch 9 Verb - Expressing the future		

			Ch 10 Adverb Ch 11 Preposition O Horror A contract to kill A Botched job (Pg 18-23)	ER	Informal letters to friends and family members	
September	19	Wk Bk	Ch 12 Conjunctions 25 words: A mixed Bag Revision			Punishments are remedial measures Value –hypocrisy does exist. to family Discuss real life experience to prove that ghosts do exist.
October	18	LR Wk Bk	The Lumber Room (Prose) The Ghost (Poem) Ch 13 Determiners and Quantifiers Ch 15 Active and Passive Voice	ER	Debate format current issues to be discussed	Moments of joy treasured in memory are always a source of bliss. Punishments are remedial measures
November	16	L.R. MCB. Wk.Bk	Banquo Returns: Stirring of rebellions.(pg no24-27) Lord Ullins Daughter (Poem) A Hero (Prose) Sayonara Ch 16 Active and Passive Voice Ch 17 Finite and Non finite verbs Ch 18 Phrases	E.R.	Formal Letter-To The Editor Leave application Apology letter Chart preparation on Idioms and phrases.	Bonds of affection between father and daughter Courage
December	20	L.R. MCB Wk.Bk	A Vision of The Future, Massacre of Innocents(pg no 28-31) Rathers (Poem) Huck Meets the Duke and Ch 19 Clauses Ch 20 Kinds of sentences: Meaning Ch 21: Types of sentences: Structure	E.R.	The Next King Of Scotland, Conscience (pg no 32-35) Report Writing on Events and Functions. Newspaper Report Writing. Group Activities: List of Do's and Don't..	If given a choice how one can overcome difficult situation with reference to the poem Rathers
January	17	L.R. Wk.Bk	Nine Glod Medals(Poem) A Midsummer Night's Dream (Drama) Ch 22 Transformation and synthesis Ch 23 Punctuation Ch 24 Grammar on the Go	E.R.	Macbeth Stands Alone, Death of a Tyrant(pg no 36-39) Writing a Script for a short play with values. Discussion on sports and games to benefits. Writing a character sketch	Laughter is the best medicine. Amusement through play
February	21	Wk.Bk E.R.	Punctuations and Capital Letters(pg no 156-161) Character Sketch (Theme) Revision based on Reading, Writing, Grammar and Literature Annual Examination		Writing a Character sketch.	

Subject: Communicative Skill / Spoken English & Soft Skill

Month	WD	Content/Unit	Activities	Values imparted
April + May	21+ 5	Spoken English: -Basics of communication -Types of communication -IPA (Consonants) -Places of Articulation -Phonetic Transcription Dialogue(Text) : -Lost -Helpline Soft Skill: -Introduction to Soft Skill (Self analysis, definition, importance of inculcating Soft Skills in students)	Places of articulation to be shown on Smart board and practice by students in Language Lab Listening and Speaking Videos to be shown on verbal & non-verbal communication, use of sign language by students to convey messages	-Appropriate communication helps in a healthy relationship -Introspection
June	15	Spoken English: Different Tongue Twisters -If a dog chew shoes, whose shoes does he choose? -Nine nice night nurses nursing nicely - I thought I thought of thinking of thanking you. Etc. Dialogue: Shared Spaces Soft Skill: Classroom Etiquette (conflict resolution, self expression, ignoring distractions)	PPT on Tongue Twisters for students' practice creating Tongue Twisters by students Listening and Speaking Role plays on Classroom Etiquette	-Being helpful, generous, polite and empathetic towards friends
July	22	Spoken English: -Speaking English for the real world -Everyday Communication -- visiting a doctor -Telephonic conversation, meeting relatives etc. Dialogue: Then and Now Highs and Lows Soft Skill: Phone Etiquette (proper usage of phone, do's and don'ts, safety measures)	Dialogue preparation by students Role plays on given situations Listening and Speaking	-Respectful communication - Helping others -Taking help from others without being egoist
Aug	22	Spoken English: Recitation (In the Bazaars of Hyderabad) Dialogue: Books or Screen In the Future Soft Skill: Travel Etiquette(planning a trip with minimum fuss, communicating with the locals)	Recitation by students Listening and Speaking Composing short rhymes or poems to create awareness about the travel etiquette PPT on travel etiquette	-Being self reliant -Being friendly and sympathetic even towards the new people around you
Sept Oct	19 18	Mid-Term Exam Spoken English: Extempore, JAM Dialogue: What do you think? Soft Skill: Social Skills (proper presentation of	Extempore on given topics Listening and speaking Sharing real life	Being disciplined, polite, respectful towards all

Nov	16	oneself, grooming, polite conversation, respecting culture, focus on positive) Spoken English: Responding to complex instruction, Asking puzzles to improve the interactive competence Dialogue: Earth Hour Soft Skill: Moral Values(Personal responsibility, democracy, approach to effective inclusion of moral values)	experiences Asking riddles by students Listening and speaking Group wise presentation by students on the traits of moral values	Taking part in a discussion without being aggressive or argumentative Moral values like honesty, trustworthiness, truthfulness etc.
Dec	20	Spoken English: Common errors in speaking Narrating events, places and situation Dialogue: Say Yes! Stepping Stones Soft Skill: Dinning Etiquette (Do's and Don'ts of dinning, handling difficult food)	Peer learning through feedback Listening and Speaking Video Clipping on dinning etiquette	Modesty to accept one's own mistake Being disciplined and mannered while dinning
Jan	17	Spoken English: Public Speaking and presentation skills, Short prepared speech Group discussion Dialogue: Over the Rainbow Soft Skill: Personal Safety (Cyber safety, proper usage of social networking sites, Do's and Don'ts)	Speech presentation by students on given topics Group discussion PPT on social networking PPT by students on various topics	Self confidence, realizing one's potential Being liberal and respecting everyone's viewpoints "Too much of everything is bad"
Feb	21	Annual Exam		

विषय – हिन्दी

- निर्धारित पुस्तकें –**
- वसंत भाग – 2 (एनसीईआरटी)
 - सचित्र हिन्दी व्याकरण –भाग 2 (न्यू सरस्वती हाउस प्रा. लि.)
 - बाल महाभारत कथा (एनसीईआरटी)

माह	का०दि०	निर्धारित पाठ्यक्रम	परियोजना कार्य/गतिविधियाँ/मूल्यबोध
अप्रैल	21	वसंत – 1. शिवमंगल सिंह 'सुमन'– हम पंछी उन्मुक्त गगन के (कविता) 2. शिव प्रसाद सिंह–दादी माँ (कहानी) बाल महाभारत कथा – महाभारत कथा । देवव्रत । भीष्म–प्रतिज्ञा । अंबा और भीष्म विदुर । कुंती । भीम । व्याकरण –1. भाषा–विचार, हिंदी भाषा और व्याकरण 2. वर्ण–विचार और उच्चारण, निबंध लेखन । पत्र लेखन ।	सस्वर कविता–वाचन । पक्षियों को पिंजरे में बंद करने से केवल उनकी आजादी का हनन ही नहीं होता, अपितु पर्यावरण भी प्रभावित होता है । पक्षियों के संरक्षण पर कक्षा में चर्चा । 'दादी माँ' पाठ के माध्यम से घर के बुजुर्ग के आकर्षक, प्रेममय तथा स्नेहसिक्त व्यक्तित्व का वर्णन करना ।
मई	05	वसंत – 3. नागार्जुन – हिमालय की बेटियाँ (निबंध) ।	ललित निबंध द्वारा रोचक ढंग से

		व्याकरण –3. शब्द विचार । अपठित गद्यांश । अपठित पद्यांश ।	हिमालय, उससे निकलने वाली नदियों एवं समुद्र के बीच मानवीय रिश्ते की स्थापना। पिछले चार दशकों से हिमालय से निकलने वाली नदियों में क्या-क्या बदलाव आए हैं ? चर्चा करें ।
जून	15	वसंत – 4. भवानी प्रसाद मिश्र – कठपुतली (कविता) 5. भगवती प्रसाद बाजपेयी – मिठाईवाला । (कहानी) बाल महाभारत कथा – कर्ण । द्रोणाचार्य । लाख का घर । पांडवों की रक्षा । व्याकरण – 4. संज्ञा व उसके भेद । 5. पर्यायवाची शब्द ।	एकजुट होकर स्वतंत्रता प्राप्ति हेतु प्रयास करने व इसकी रक्षा करने की प्रेरणा । स्वतंत्र होने के लिए कठपुतलियों ने क्या-क्या प्रयत्न किए होंगे ? उन्होंने अपनी रक्षा किस तरह से की होगी ? विचार-विमर्श करें । अपनी कल्पना की मदद से मिठाई-वाले का शब्द-चित्र तैयार करें ।
जुलाई	22	वसंत – 6. यतीश अग्रवाल – रक्त और हमारा शरीर (निबंध) । 7. विजय तेंदुलकर-पापा खो गए (नाटक) 8. सर्वेश्वर दयाल सक्सेना- शाम-एक किसान (कविता) । बाल महाभारत कथा - द्रौपदी स्वयंवर । इन्द्रप्रस्थ । जरासंध । शकुनि का प्रवेश । चौसर का खेल व द्रौपदी की व्यथा । व्याकरण – 6. विलोम शब्द । 7. संज्ञा के विकारक तत्व-लिंग, वचन व कारक । 8. अनेक शब्दों के लिए एक शब्द । संवाद-लेखन ।	रक्त की संरचना और महत्त्व, एनीमिया रोग के लक्षण व बचाव के उपाय, ब्लड बैंक व रक्तदान के महत्त्व पर प्रकाश । शरीर के किसी अंग में अचानक रक्त-संचार रुकने से उत्पन्न परिस्थितियों पर विचार-विमर्श । बुद्धिमत्तापूर्ण योजना द्वारा कार्य में सफलता प्राप्ति हेतु बच्चों द्वारा किए गए प्रयासों पर चर्चा । बच्चों की सुरक्षा के लिए संकेत के रूप में सुझाव एक चार्ट पेपर पर तैयार करना । जाड़े की शाम का प्राकृतिक सौंदर्य-चित्रण । किसान की दिनचर्या पर अनुच्छेद-लेखन ।
अगस्त	22	वसंत – 9. जैनैन्द्र कुमार-चिड़िया की बच्ची (कहानी) । 10. तेत्सुको कुरियानागी-अपूर्व अनुभव (जापानी संस्मरण) । बाल महाभारत कथा -धृतराष्ट्र की चिंता । भीम और हनुमान । द्वेष करने वालों का जी नहीं भरता । मायावी सरोवर । व्याकरण – 9. अनेकार्थक शब्द । 10. सर्वनाम ।	स्वाधीनता संबंधी कविताओं का संग्रह करना । तीव्र इच्छाशक्ति और बुद्धि का उपयोग कर सफलता प्राप्त करने का संदेश । शारीरिक-चुनौतियों से गुजरने वाले व्यक्तियों के लिए सरकार की ओर से दी जाने वाली सुविधाओं पर चर्चा ।

सितम्बर	19	<p>वसंत – निर्धारित पाठों की पुनरावृत्ति ।</p> <p>बाल महाभारत कथा – पुनरावृत्ति ।</p> <p>व्याकरण – पुनरावृत्ति ।</p> <p>अर्द्धवार्षिक परीक्षा</p> <p>वसंत – 11. रहीम-रहीम के दोहे (कविता) ।</p>	<p><i>मूल्यबोध संख्या-7</i></p> <p>उपदेशात्मक दोहों की सीडी सुनना व कक्षा में सुनाना ।</p>
अक्टूबर	18	<p>वसंत-12. टी. पद्मनाभन-कंचा (मलयालम कहानी)</p> <p>13. अयोध्या सिंह उपाध्याय 'हरिऔध' – एक तिनका (कविता)</p> <p>बाल महाभारत कथा – यक्ष प्रश्न, अज्ञातवास ।</p> <p>प्रतिज्ञा-पूर्ति । विराट का भ्रम ।</p> <p>व्याकरण – 11. विशेषण ।</p> <p>12. क्रिया । 13. काल ।</p> <p>अपठित गद्यांश । अपठित पद्यांश ।</p>	<p><i>मूल्यबोध संख्या-1 एवं 8</i></p> <p>मनुष्य को अहंकार न कर यथार्थ जीवन जीने का संदेश ।</p> <p>मुंशी प्रेमचंद की कहानी 'ईदगाह' पढ़ना ।</p> <p>'तिनका' संबंधी कबीर के दोहों का संकलन करना ।</p>
नवम्बर	16	<p>वसंत-14. प्रयाग शुक्ल-खानपान की बदलती तस्वीर (निबंध)</p> <p>15. महादेवी वर्मा-नीलकंठ (रेखाचित्र)</p> <p>बाल महाभारत कथा – मंत्रणा । राजदूत संजय । शांतिदूत श्रीकृष्ण । पांडवों और कौरवों के सेनापति ।</p> <p>व्याकरण – 14. स्वर संधि ।</p> <p>15. अव्यय व भेद – क्रिया-विशेषण, संबंधबोधक, समुच्चयबोधक और विस्मयादिबोधक । निबंध-लेखन । पत्र-लेखन ।</p>	<p><i>मूल्यबोध संख्या-6 एवं 11</i></p> <p>वर्तमान में खानपान के तरीकों और स्वाद में आए परिवर्तन, इसकी मिश्रित संस्कृति का प्रचार, स्थानीय व्यंजनों व फास्ट-फूड का पूरे देश में प्रचलन, इसके सकारात्मक व नकारात्मक पहलुओं पर चर्चा ।</p> <p>विभिन्न प्रदेशों के मुख्य व्यंजनों का चार्ट तैयार करना ।</p> <p>महादेवी वर्मा द्वारा लिखित किन्हीं दो रेखाचित्र को पढ़िए ।</p>
दिसम्बर	20	<p>वसंत – 16. मीराबाई-भोर ओर बरखा (कविता) ।</p> <p>17. विभागीय-वीर कुँवर सिंह(जीवनी) ।</p> <p>बाल महाभारत कथा – पहला, दूसरा और तीसरा दिन । चौथा, पाँचवाँ और छठा दिन सातवाँ, आठवाँ और नवाँ दिन । भीष्म शर-शय्या पर । बारहवाँ दिन ।</p> <p>व्याकरण – 16. समरूप-भिन्नार्थक शब्द । 17. विराम चिह्न ।</p>	<p><i>मूल्यबोध संख्या-7 एवं 4</i></p> <p>कृष्ण को 'गिरधर' कहे जाने संबंधी कथा का पता लगाना व कक्षा में बताना ।</p> <p>सन् 1857 के क्रांतिकारियों से संबंधित किन्हीं दो गीतों का संकलन कीजिए ।</p>
जनवरी	17	<p>वसंत – 18. विनीता पाण्डेय-संघर्ष के कारण मैं तुनुकमिजाज हो गया : धनराज (साक्षात्कार) ।</p> <p>19. मोहन दास करमचंद गांधी-आश्रम का</p>	<p><i>मूल्यबोध संख्या-1 एवं 11</i></p> <p>अभावों से महान व्यक्ति बनने तक जीवन-यात्रा पर प्रकाश डालते हुए</p>

अनुमानित व्यय (लेखा-जोखा)।

किसी भेंट वार्ता का प्रस्तुतिकरण।

बाल महाभारत कथा – अभिमन्यु। युधिष्ठिर की चिंता और कामना। भूरिश्रवा। जयद्रथ और आचार्य द्रोण का अन्त। कर्ण और दुर्योधन भी मारे गए।

ऐसे कार्यों की सूची बनाइए जिन्हें आप चाहकर भी नहीं कर पाते, इन्हें आप सीखकर ही छोड़ेंगे।

अश्वत्थामा। युधिष्ठिर की वेदना। पांडवों का धृतराष्ट्र के प्रति व्यवहार। श्रीकृष्ण और युधिष्ठिर।
व्याकरण – 18. मुहावरे। 19. उपसर्ग। 20. प्रत्यय। 21. अशुद्धिशोधन (वाक्य)। संवाद-लेखन।

फरवरी 21 वसंत – द्वितीय सत्र के सभी पाठों की पुनरावृत्ति।
बाल महाभारत कथा – पुनरावृत्ति।
व्याकरण – पुनरावृत्ति।
वार्षिक परीक्षा

Subject : Mathematics

Prescribed Text Books: 1) Maths for Class 7 – R. S. Aggarwal (Bharti Bhawan)
2) N.C.E.R.T

Reference Books

3) C.P. Mathematics Lab Manual – Class VII (C.P. Publication)
: (1) New Learning mathematics Class 7 – M L Aggarwal (Avichal Pub. Company)
(2) New Systematic Mathematics for class - 7 (Sultan Chand Publication)

Month **W.D.**
April 21

Topics to be taught

Activities

Integers :

- Introduction
- Addition and Subtraction of integers
- Properties of addition and Subtraction of integers
- Multiplication and Division of integers
- Properties of multiplication and division of integers
- Word problems

Activity - 1 , 3(a), 3(b)
One project

Smart board Activity

The mathematical problems based on the moral values – Time management, Collaboration will be included.

Fraction :

- Introduction
- Comparing fraction
- Addition and Subtraction of fractions
- Multiplication and division of fractions
- Word problems

Decimals :

- Introduction
- Method of converting a decimal into a fraction
- Method of converting a fraction into a decimal
- Addition and Subtraction of decimals
- Multiplication and division of decimals
- Word problems

May 05

Decimal (Contd.) :

- Word problems

June 15

Rational Numbers :

- Introduction, Types of Rational Numbers.
- Important Properties of Rational Numbers
- Rational Number on a number line
- Rational Nos. in Standard form, comparison of rational no.
- Rational Numbers between two Rational Numbers
- Addition and Subtraction of Rational

Smart board Activity 4(a)

The mathematical problems based on the moral values – Doing your best, Collaboration will be included.

July	22	<ul style="list-style-type: none"> Numbers - Multiplication and Division of Rational Numbers <p>Rational Numbers(Cont.)</p> <ul style="list-style-type: none"> - Word Problems <p>Exponents:</p> <ul style="list-style-type: none"> - Introduction - Laws of exponents - Problems on Laws of Exponents - Standard form of Numbers <p>Algebraic Expressions :</p> <ul style="list-style-type: none"> - Introduction - Various types of Algebraic Expression - Addition and Subtraction of Algebraic Expression - Multiplication of Algebraic Expression - Finding the value of an Expression <p>Linear Equations in one variable:</p> <ul style="list-style-type: none"> - Introduction - Rules for solving an equation 	<p>Activity – 4(b),5(a),5(b)</p> <p>The mathematical problems based on the moral values – Doing your best exactness</p>
August	22	<p>Linear Equations in one variable (Cont.) :</p> <ul style="list-style-type: none"> - Application of simple equations to practical situation. <p>Lines and Angles :</p> <ul style="list-style-type: none"> - Introduction - Different types of angles - Linear pair - Vertically opposite angles <p>Properties of Parallel lines:</p> <ul style="list-style-type: none"> - Intersecting lines - Transversal - Angles made by a Transversal - Transversal of parallel lines - Properties of Parallel lines, Conditions of parallelism. <p>Properties of Triangles :</p> <ul style="list-style-type: none"> - Introduction - Median and altitude of a triangle - Exterior angle of a triangle - Angle sum property of a triangle - Equilateral and Isosceles triangle and their properties - Triangles' Inequality - Right angled triangles - Pythagoras theorem/properties <p>Revision for Mid-Term</p> <p>Mid – Term examination</p> <p>Question Paper Discussion</p> <p>Ratio and Proportion:</p> <ul style="list-style-type: none"> • Terms of a ratio • Ratio in simplest form • Concept of proportion 	<p>Activity – 6 , 7</p> <p>Smart Board Activity</p> <p>The mathematical problems based on the moral values – Caring, respect, sensitivity towards environment.</p>
September	19	<p>Revision for Mid-Term</p> <p>Mid – Term examination</p> <p>Question Paper Discussion</p> <p>Ratio and Proportion:</p> <ul style="list-style-type: none"> • Terms of a ratio • Ratio in simplest form • Concept of proportion 	<p>Integrated teaching with chemistry department.</p>
October	18	<p>Unitary Method:</p> <ul style="list-style-type: none"> - Introduction - Direct Variation - Word Problems - Inverse Variation - Word Problems <p>Percentage:</p> <ul style="list-style-type: none"> - Meaning of percentage 	<p>Activity - 8(a)</p> <p>Smart board activity</p> <p>* The mathematical problems based on the moral values – Freedom, celebrating the nation, peace, acceptance of other, rights and responsibilities will be</p>

		- Converting Percentage to fraction or decimals - Word Problems	included.
		Profit and Loss: - Profit and Loss as a Percentage - Word Problems	
		Simple Interest: - Introduction - Word Problems	
November	16	Reflection and Rotational Symmetry : - Introduction - Reflection symmetry - Line of symmetry - Rotational symmetry - Centre of rotation - Angle of rotation - Order of rotation - line of symmetry.	Activity – 8(b), 10(a) and one Project (To find the perimeter of Basket ball court.) Integrated teaching with P.E. Dept.
		Visualising Solid: - Introduction - Faces, Edges and Vertices - Net for building 3 – D shapes - Drawing solids on a flat surface	
		Congruence: - Introduction - Congruence of Plane Figure - Congruence among line segment, angles - Congruence of triangles - Criteria for congruence of triangles	
December	20	Mensuration: - Perimeter and area of a triangle, square - Perimeter and area of a rectangle, parallelogram, rhombus, circle - Problems related to perimeter and area	Activity -9, 10 (b), 11 Smart board activity. (Integrated teaching with P.E. Dept.)
		Data handling: Collection and organization of data	
January	17	Data Handling (Contd.) - Mean, median and mode Bar Graphs: - Drawing a bar graph - Reading a bar graph Probability: - Introduction - Empirical Probability Practical Geometry - Construction of parallel lines	Activity – 2 Smart board activity.
February	21	Practical Geometry (Contd.) - Construction of triangles Revision for Annual Examination	

Subject : Science & Technology (Physics)

Prescribed Text Book : Prachi Science for class VII

Month	W.D	Contents	Projects / Activity
April	21	<u>Topic : Heat and its effects–</u> Heat (Concept of heat and temperature), Effects of heat, Heat causes expansion, Hot and cold, Temperature, Thermometer, Different scales of temperature, Transfer of Heat, conduction, convection and Radiation.	To demonstrate thermal expansion in solids. To show conduction or convection.
May	05	Heat (Contd.) Conductors and Insulators Applications of	To show clinical and

		Transfer of heat. Types of clothes we wear in summer and winter	laboratory thermometer.
June	15	<u>Topic: Winds, Storms and Cyclones-</u> Air is all around, air exerts pressure, Atmosphere, Atmospheric pressure, high speed winds are accompanied by reduced air pressure, movement of air, Air expands on heating, wind currents are generated due to uneven heating on the earth, Thunderstorm and cyclones.	To show that high speed winds are accompanied by reduced air pressure
July	22	<u>Topic: Winds, Storms and Cyclones (Contd.) :</u> Destruction caused by cyclones, Effective safety measures against cyclones, Advanced Technology has helped. <u>Motion and time:</u> What is motion? The states of rest and motion are relative, types of motion, slow and fast	To check measurement of length.
August	22	<u>Motion & time (contd.):</u> Measurement of time, Simple Pendulum, Speed, Measuring speed, The use of graph paper, Distance – Time graphs.	To show oscillation of a simple pendulum.
September	19	Revision & Mid-Term Examination + QP discussion	
October	18	<u>Electric current and its effects:</u> Electric current, symbols of some electrical components, combination of some electric cells, Electrical circuits and circuit diagram, open and close circuit, effect of electric current.	To show that current is flowing through simple electric circuit
November	16	<u>Electric current and its effects (contd.)</u> Heating effect of electric current, Magnetic effect of electric current, electromagnet, Electric bell.	To make a simple electromagnet
December	20	<u>Light:</u> Ray and beams of light, light travels in a straight line, Reflection of light, Reflecting surfaces, mirrors, Real and Virtual images, Images formed by plane mirror, Spherical mirrors, Lateral Inversion.	Reflection of light through a plane mirror.
January	17	<u>Light (contd.):</u> Formation of images by concave and convex mirror, Ray diagram for the image formation by spherical mirrors, lenses, converging and diverging action of lenses, Ray diagram for image formation through lenses (Converging and diverging action) Sunlight – White or coloured, Dispersion of white light, Newton’s Disc.	- To study the image formation with concave and convex lens. - To make a rotating Newton’s Disc.
February	21	Revision + Annual Examination	

Subject : Science & Technology (Chemistry)

Text Book : N.C.E.R.T.

Reference: Prachi Science

Month	W. Days	Contents	Suggestive Projects / Activities
April	21	Chapter – Basic concepts of chemistry: Elements symbol of element, ions, atoms, salt, valency, chemical formula . Chemical equation of the chemical reactions.	I. Burning of Mg Ribbon is a chemical change.
May	05	Chapter – Physical and Chemical Changes – Difference between physical and chemical change. displacement reaction	II. Displacement of Cu from CuSO ₄ by Fe
June	15	Rusting causes of rusting, Prevention from rusting, Galvanization, crytallisation, applications of	III. Demonstration of Neutralisation reaction.

		physical & chemical changes.	
July	22	Contents: Fibre To Fabric: - Wool a natural fibre - Extraction of wool - Wool producing animals - Process of wool production - Health hazard in wool production.	With help of diagram life cycle of silk worm
August	22	- Silk, History of silk, life cycle of silk worm. - Processes in silk production, Health hazards in sericulture, Exercises and revision	
September	19	Exercise & Revision Half Yearly Examination	
October	18	Chapter – Acids, Bases and Salts – • Definition of acid, base and salt, Properties of acid and base. • Types of acids: mineral acids and organic acids.	Preparation of chart to show colour of indicators in acid and base
November	16	Chapter – Acids, Bases and Salts (Contd.) – Definition of salt, properties and uses of salts, neutralization reaction and application of acid and base in everyday life. Natural indicators,	
December	20	Chapter – Water: A Precious Natural Resource Water cycle, water bodies underground water, Surface water, Conservation technique of water: Rainwater	Chart preparation to show rain water harvesting, Bawri system, check dam, Drip irrigation
January	17	harvesting, Bawri system, check dams, effects of water crisis, crisis of water.	Preparation of waste water treatment plant.
February	21	Chapter : Waste Water Story Introduction of waste Water, sewage, water treatment plant, Sanitation. Revision & Exercise for term – II Annual Examination	

Subject : Science & Technology (Biology)

Text Book : Prachi Science - 7

Month	W. D.	Chapters and Topics	Project/Activities	Smart Board Activity:
April	21	Chapter – Food : • Nutrition • Modes of nutrition in plants – Autotrophic nutrition and heterotrophic nutrition. • Photosynthesis – factors affecting photosynthesis. • Other modes of nutrition in plants • Saprotrophic nutrition, parasitic nutrition, insectivorous nutrition and symbiotic nutrition. • How nutrients are replenished in the soil.	• To observe the stomata in the leaf peel.	To show the special modes of nutrition in plants.
		Inclusive Teaching - Gardener		

May + June	5 + 15	<ul style="list-style-type: none"> • Input regarding soil replenishment in garden by manure & fertilizer. <p>Chapter – Forests - Our lifeline:</p> <ul style="list-style-type: none"> • The structure of a forest- canopy layer, understorey layer, forest floor. • Importance of forests. • Interdependence of plants and animals in a forest. • Food chain • Food web. • Deforestation- causes and effects. • Conservation of forests. <p>Afforestation.</p>	<ul style="list-style-type: none"> • Make a list of items which are prepared from materials obtained from the forest. <p>To show the structure of forest, to show the consequences of deforestation.</p>
July	22	<p>Chapter – Weather, Climate & Adaptations of Animals to Climate (contd.): Climate – Factors determining climate.</p> <ul style="list-style-type: none"> • Climate & Adaptation – i) The polar region ii) The Tropical rainforest. • iii) Desert • Migration <p>Inclusive Teaching - Geography To discuss weather & climate of different places. Value inculcated: Awareness about different life forms.</p> <p>Chapter : Soil :</p> <ul style="list-style-type: none"> • Formation and composition of soil. • Soil profile • Types of Soil. • Properties of soil • Moisture in Soil • Absorption of water by Soil • Soil & crops. • Soil erosion. <p>Inclusive Teaching - Chemistry</p> <ul style="list-style-type: none"> • To remove moisture from soil (lab activity.) <p>Notes : Difference between clayey, sandy & loamy soil.</p>	<ul style="list-style-type: none"> • To mark the polar region & tropical region in world map, with blue and green colour respectively. • To demonstrate soil profile with an activity. • To demonstrate that Soil absorbs water. • To collect and observe different types of soil (texture, colour etc).
August	22	<p>Chapter – Reproduction in plants :</p> <ul style="list-style-type: none"> • Modes of reproduction in plants - Asexual reproduction- budding, fragmentation, spore formation. Vegetative propagation – natural and artificial methods of vegetative propagation. Tissue culture. • Sexual reproduction – flower, pollination, fertilization. • Fruits and seed formation. <p>Notes: Fertilisation& formation of zygote.</p>	<ul style="list-style-type: none"> • To observe the scars of potatoes. • Field trip- visit to the city nursery to see various methods of plant propagation. • To show various modes of reproduction in plants. • To show the reproductive parts of a flower.
September	19	<p>Contd. - Reproduction in plants</p> <ul style="list-style-type: none"> • Seed dispersal • Germination of seeds. <p>Revision</p> <p>Mid-Term Examination</p>	<ul style="list-style-type: none"> • To separate reproductive parts of a flower.

October	18	<p>Chapter – Nutrition in Animals :</p> <ul style="list-style-type: none"> • Different ways of taking in food. • Digestion in human – Mouth and buccal cavity, food pipe / oesophagus, stomach, small intestine, large intestine. • Nutrition in Amoeba. • Nutrition in Ruminants. <p>Inclusive Teaching – Dentist</p> <ul style="list-style-type: none"> • To discuss tooth related disorders. • Veterinary surgeon (parent): To discuss digestive system of ruminant. <p>Notes: Milk & permanent teeth number & distribution</p> <ul style="list-style-type: none"> • Diagram of villi & function. 		To show the human digestive system.
November	16	<p>Chapter – Respiration in Organisms:</p> <ul style="list-style-type: none"> • Aerobic and anaerobic respiration. • Breathing mechanism • Human respiratory system • Breathing in other organisms – Amoeba, insects, earthworm, frog and fish. • Respiration in plants. <p>Inclusive Teaching – Physical Education -</p> <ul style="list-style-type: none"> • Tips to get rid of muscle fatigue after vigorous exercises. <p>Notes: Mechanism of Breathing.</p>	<ul style="list-style-type: none"> • To find out your breathing rate and calculate changes in breathing rate under different condition (rest, running etc.) 	To show the human respiratory system.
December	20	<p>Chapter – Transportation in Animals and Plants :</p> <ul style="list-style-type: none"> • Circulatory system – Blood, blood vessels, heart, heart beat. • Blood circulation in human body. • Excretion in animals- excretory system in humans. • Kidney failure. <p>Inclusive teaching: School nurse: to demonstrate the working of stethoscope.</p> <p>Notes: Difference between arteries & veins. Working of heart.</p>	<ul style="list-style-type: none"> • To count the pulse rate of your classmate. 	To show the structure of human heart.
January	17	<p>Chapter – Transportation in Animals and Plants (contd.) :</p> <ul style="list-style-type: none"> • Transport of substance in plants – ascent of sap and translocation of food. <ul style="list-style-type: none"> • Transpiration. <p>Smart Board Activity: To show the transport of substances in plants.</p> <p>Revision</p>	<ul style="list-style-type: none"> • To demonstrate transport of water in plants. 	<ul style="list-style-type: none"> • To show ascent of sap.
February	21	<p>Revision</p> <p>Annual Examination</p>		

Subject : Social Science (History & Civics)

- Reference Book:**
1. Out Past – II, NCERT
 2. Social & Political Life – II
 3. Integrated Social Science Ratna Sagar - 7

Text Book: Together with Evolution – We and the World (Rachna Sagar)

Month	W. D.	Course Content	Activities/Audio-Video Aids (if any)
April +	21 +	<u>H-1 : The medieval World</u> <ul style="list-style-type: none"> Major Historical Developments Sources of Medieval India 	<ul style="list-style-type: none"> Inclusive teaching with geography dept. Mock session of Legislative Assembly. To conduct a debate on the issue 'Indian democracy is a boon to Indian Society'
May	5	<u>C-1 : Democracy:</u> <ul style="list-style-type: none"> Forms of Government, Importance Meaning and features Equality and Indian constitution 	
June	15	<u>H-2 : The Regional Kingdoms</u> <ul style="list-style-type: none"> Kingdoms of North India Tripartite Struggle Kindoms of South India <u>C4 The State Government: Legislature</u> <ul style="list-style-type: none"> Governor Chief Minister Council of Minister Civil Services 	<ul style="list-style-type: none"> Making of pictorial album of North Indian or South Indian Temples. Pictorial album of governors of our state. Map pointing of Northern & Southern Kingdoms. Inclusive teaching with Art & Craft Dept.
July	22	<u>H-3 : The Sultanate Period</u> <ul style="list-style-type: none"> Slave Dynasty Khalji Dynasty Tughluq Dynasty Sayyid Dynasty Lodhi Dynasty <u>C4- The State Government Executive</u> <ul style="list-style-type: none"> Structure Functions Passing of Bill 	<ul style="list-style-type: none"> Timeline chart of Delhi Sultanate. Pictorial album on Delhi Sultans. Making a Model of any monument of Sultanate period. Mock session on passing of Bill.
August	22	<u>H-4 : The Great Mughals</u> <ul style="list-style-type: none"> Babar Humayun Sher Shah Akbar Mughal Administration Rajput policy Religious Policy 	<ul style="list-style-type: none"> Pictorial album on Greater Mughals upto Akbar. Map pointing. Making of model of any monument built under Greater Mughals (upto Akbar). Inclusive Teaching with Vocal Music, Art & Craft Dept.
September	19	Revision Half Yearly Examination	
October	18	<u>H-4 : Mughal Empire (contd.)</u> <ul style="list-style-type: none"> Jahangir Sah Jahan Aurangzeb <u>H-6 : Monumental Architecture:(Only Project / Activity Based Chapter)</u> <ul style="list-style-type: none"> <u>C-5 : Media and Democracy</u> <u>Roles of Media in Democracy</u> 	<ul style="list-style-type: none"> Making models of any two monuments built under Greater Mughals (Jahangir to Aurangzeb). Pictorial album on greater Mughals (Jahangir to Aurangzeb) Inclusive Teaching with Art & Craft Dept Map pointing.
November	16	<u>H-9 : Religious Reliefs</u> <ul style="list-style-type: none"> Bhakti and Sufi Saints Reason for their origin Their principles Reasons for popularity Individual Saints. <u>C-6 : Advertising</u>	<ul style="list-style-type: none"> Prepare album on Bhakti Saints & Sufi Saints. Inclusive teaching with vocal Music & Instrumental Music Dept. Class Debate on the issue of gender-bias

		<ul style="list-style-type: none"> Objectives & types of Advertisement Effects of Advertisement (Positive & Negative) 	<ul style="list-style-type: none"> Prepare a class magazine related to advertisement.
December	20	<u>H-11 : Political Formation in Eighteenth Century</u> <ul style="list-style-type: none"> Later Mughals Independent Kingdoms Foreign Invasion-Nadir Shah & Ahmad Shah Abdali Rajput States <u>C-8 : Role of Gender :</u> <ul style="list-style-type: none"> Roles of gender Gender Inequality & it's reasons 	<ul style="list-style-type: none"> Map pointing: Independent kingdoms Group discussion on gender bias Inclusive teaching: With Photography Department.
January	17	<u>H-11 : New Political Formations In The Eighteenth Century (contd)</u> <ul style="list-style-type: none"> Sikhs Marathas C-30 Gender (Contd.) Social aspects of gender Economic aspects of gender Political aspects of gender 	Inclusive teaching with media & Communication, Music dept. Make slogans on women empowerment.
February	21	Revision Annual Examination	

Subject : Social Science (Geography)

Reference Book : Our Environment : NCERT

Text Book : Integrated Social Science – 7: Ratna Sagar

Month	W. D.	Course Contents	Inclusive Education	Project / Activity
April +	21 +	<u>Chapter 1 Our Environment</u> a) Introduction b) Natural Environment c) Human Environment d) Environmental pollution	Biology: Biotic & Abiotic environment Chemistry: Minerals	Activity Cover page on Environment and its component Activity 2. Rock cut temples and monuments in India.
May	05	<u>Chapter 2. Inside the Earth</u> a) Introduction of Structure of the Earth b) Rocks and minerals c) Uses of rocks d) Rock cycle		
June	15	<u>Chapter 3. The Changing Earth</u> a) Introduction b) Volcanoes – types and distribution c) Earthquakes causes, effects and precautions	Physics: Seismic waves.	Activity – Pictorial representation of an active volcano.
July	22	<u>Chapter 4. Major Landforms</u> a) introduction b) Work of river c) Work of wave d) Work of ice e) Work of wind	English: The poem – “The Brook by R. L Stevenson.	Project – A magazine on geographical wonders of India Activity: Making of river profile.
August	22	<u>Chapter 5 Composition and Structure of the Atmosphere</u> a) Composition of the Atmosphere b) Structure of atmosphere c) Significance of the atmosphere	Physics: Weather and climate	Activity: Introduction to different weather instruments.

		Ch 6 Weather and Climate a) Introduction b) Atmospheric Temperature c) Atmospheric Pressure d) Winds e) Moisture and types of precipitation		
September	19	Revision for Mid-Term Examination	Assignment	Question & Answer Session
October	18	<u>Chapter 7. Water</u> a) The Water Cycle b) Distribution of water bodies c) Circulation of ocean water. d) Waves, Tides and Ocean Currents	Physics: Waves	Activity (1) – Cover page on water conservation - Map work on oceans and ocean currents
November	16	<u>Chapter 8. Natural Vegetation and Wildlife</u> a) Introduction b) Forests - Types and importance	Biology – Adaptation of plants and animals	Project: An album on the endangered species of wildlife in India.
December	20	c) Grasslands and Shrubs d) Wildlife – significance and Conservation <u>Chapter 9. Human Environment.</u> - Settlements, and its type - Transport * Roadways	History – Early civilization of India	Activity: Making a collage on modern means of Communication
January	16	Ch 9 Human Environment a) Transport - Railways - Waterways - Airways b) Communication.		
February	21	Revision for Annual Examination Annual Examination		Quiz, Map work, Assignment, doubt clearance classes

Subject : Sanskrit

पाठ्य पुस्तकम् – सरस्वती नवसंस्कृतम्, भाग-2 (न्यू सरस्वती हाउस प्रा. लि.)
व्याकरण पुस्तकम् – सरस्वती मणिका संस्कृत व्याकरण (भाग -2) (न्यू सरस्वती हाउस प्रा. लि.)

मासाः कार्य दिवसाः
अप्रैल+मई 21+5

निर्धारितपाठ्यक्रमः
नवसंस्कृतम् –
प्रथमः पाठः – संस्कृतदिनम्
मूल्यम्– संस्कृतस्य महत्त्वम्
क्रि. वि.–संस्कृत संभाषणम्
द्वितीयः पाठः – भारतीयाः वीरांगनाः
मूल्यम्– नारीणां महत्त्वम्
क्रि. वि.–विशिष्टनारीणां परिचयः
तृतीयः पाठः – जयतु राष्ट्रम्
मूल्यम्– देशभक्तिः
क्रि. वि.–कक्षायां गणनिर्माणं कृत्वा
भाषाक्रीडामाध्यमेन संघटनशक्तिपरिचयः
व्याकरण –
प्रथमः अध्यायः – वर्णमाला उच्चारणस्थानानि च
द्वितीयः अध्यायः – स्वरसन्धिः– दीर्घ, गुण, वृद्धि
तृतीयः अध्यायः – शब्दरूप प्रकरणम्। अकारान्त
पुल्लिङ्ग, नपुंसकलिङ्ग, आकारान्तस्त्रीलिङ्ग, इकारान्त
पुल्लिङ्गस्त्रीलिङ्ग, इकारान्तस्त्रीलिङ्ग, तत्, एतत्, किम्,

विभिन्नगतिविधयः
पाठः 1. विद्यालयानुशासनस्य महत्त्वम्
“विद्या ददाति विनयम्”
पाठः 2. आदर्शनारीजीवनम् विषये
विचारगोष्ठी – “यत्र नार्यस्तु
पूज्यन्ते रमन्ते तत्र देवता”
पाठः 3. भारतस्योन्नयनं विषये उपायः
“जयतु भारतम्–जयतु संस्कृतम्”
1. वर्णानां लेखनम्
2. उच्चारणस्थान–प्रायोगिकाम्यासः
3. सन्धिप्रायोगिकाम्यासः “दीर्घ, गुण, वृद्धि”
4. खेलस्य महत्त्वम् इति विषयम्
खेलशिक्षकः वर्णयिष्यति।
5. नियतकार्यम्–1

जून	15	<p>अस्मद्, युष्मद् । नवसंस्कृतम् – चतुर्थः पाठः – धन्याः भारतीयाः मूल्यम्- परोपकारिता, भारतीयसंस्कृतेः वैशिष्ट्यम् क्रि. वि.- वयं समाजाय किं किं दातुं शक्नुमः इतिविषये कक्षायां चर्चा व्याकरणम् – चतुर्थः अध्यायः – धातुरूपप्रकरणम् लट्, लृट्, लङ् लकारेषु पञ्चमः अध्यायः – वर्णविन्यासाः संयोगाश्च</p>	<p>पाठः 4. विभिन्नमहापुरुषाणां वृक्षाणां च प्राणिनां जीवने महत्त्वम् 1. अन्तरपरीक्षा मूल्यांकनम् – । 2. परियोजनाकार्यम् – धन्याः भारतीयाः पाठाधारितम् 3. शब्दरूपाणां प्रायोगिकाभ्यासः – यथा-मुनि, मति, नदी, साधु, मधु, धेनु, मातृ, पितृ, दातृ, सर्व, इदम् ।</p>
जुलाई	22	<p>नवसंस्कृतम् – पञ्चमः पाठः – संस्कृतक्रीडा मूल्यम्- अभिनन्दनादि सद्ब्यवहारम् क्रि. वि.- क्रीडाद्वारा संस्कृतसंभाषणम् षष्ठः पाठः – दिनचर्या मूल्यम्-समयस्य सदुपयोग क्रि. वि.-प्रश्नोत्तर माध्यमेन छात्राणां दिनचर्याज्ञानम्</p>	<p>पाठः 5. पाठाधारित वाक्यरचना पाठः 6. भारतीय संस्कृतेः विशेषता 'अनेकतायाम् एकता' अस्य विवेचनम् । पाठः 7. जीवनादर्शस्य निरूपणम् 1. धातुरूपाणां लट्, लृट्, लोट्, लङ् विधिलिङ्लकारेषु लेखनम् – यथा-पा, घ्रा, स्था, नी, जि, गै । 2. धातुरूप-प्रायोगिकाभ्यासः । 3. वर्णविन्यासस्य ,संयोगस्य च प्रायोगिकाभ्यासः ।</p>
अगस्त 22	22	<p>सप्तमः पाठः – सुभाषितानि मूल्यम्- आदर्श सिद्धान्तानाम् अनुपालनम् दिनचर्याज्ञानम् क्रि. वि.-श्लोकानां सस्वरवाचनम् व्याकरण – षष्ठः अध्यायः – पर्यायः एवम् विपर्ययाः सप्तमः अध्यायः- समयलेखनम् अष्टमः अध्यायः – संख्या 1-50 अव्ययपदानि</p>	<p>उपपदविभक्तिः-द्वितीया – अभितः परितः, उभयतः। तृतीया – सह, साकम्, सार्धम्, हीनः, अलम् चतुर्थी – नमः स्वाहा, अलम् 2. नियतकार्यम्- 3. अन्तरपरीक्षा मूल्यांकनम् -2</p>
सितम्बर 19	19	<p>नवसंस्कृतम् – अष्टमः पाठः – केरलराज्यम् मूल्यम्-केरलराज्यस्य सामाजिक आर्थिकराजनैतिकस्थितीनां ज्ञानम् क्रि. वि.- केरलराज्यस्य भौगोलिकसमीक्षा व्याकरणम् – अध्यायः 9-कारक- उपपदविभक्तयश्च (केवलं द्वितीया, तृतीया, चतुर्थी) अध्यायः 10- प्रत्ययाः , केवलं क्त्वा, ल्यप् , तुमुन् अध्यायः 11 – अशुद्धिसंशोधनम्</p>	<p>1. अपिठतगद्यांश – अवबोधनम् । 2. उपपदविभक्ति-प्रायोगिकाभ्यासः ।</p>

			3. चित्रावर्णनाभ्यासः 4. संवादपूर्ति – अभ्यासः 5. अर्धवार्षिक परीक्षा मूल्यांकनम्
	पुनरावृत्तिः पाठः 1-8, अनुवाद-संस्कृत से हिन्दी तथा हिन्दी से संस्कृत आदर्शप्रश्न-1 "समाधानम्" व्याकरणम् – अध्यायः 13. वार्तालापः । अध्यायः 14. चित्रावर्णनम् अध्यायः 15. अपठितगद्यांशः		
अक्टूबर 18	नव संस्कृतम् – नवमः पाठः – पुत्रं प्रति पत्रम् । मूल्यम्-शिष्टाचारस्य महत्त्वम् । दशमः पाठः-10 बालकलामः मानवीयमूल्यम् – आदर्शछात्राणां वैशिष्ट्यम् । व्याकरणम् – पाठः 2- स्वर सन्धिः (यण्, अयादिः)	पाठः 9 – पारिवारिकसम्बन्धस्य व्यवहारिकज्ञानम् पाठः 10 – छात्राणां कृते अनुशासनस्य परिश्रमस्य महत्त्वम्	च
नवम्बर 16	नव संस्कृतम् – एकादशः पाठः- कूपमण्डूकता मानवीयमूल्यम् – सर्वांगीणविकाशाय उदारवादी चिन्तनम् । द्वादशः पाठः – साइना नेहवालः मानवीयमूल्यम् – नारीणां सशक्तिकरणम् त्रयोदशः पाठः- वनमहोत्सवः मानवीयमूल्यम् – वृक्षाणां संरक्षणम् । व्याकरणम् – पाठः 3 – शब्दरूपप्रकरणम् प्रथमसत्रस्य शब्दरूपैः सह उकारान्तपुल्लिङ्ग , उकारान्तस्त्रीलिङ्गशब्दाः 'इदम्' सर्वनामशब्दः ।	पाठः 11 "वसुधैव कुटुम्बकम्" अस्य व्याख्या । पाठः 12 देशभक्तानां नारीणां द्वः विषये चर्चा "विद्याददाति विनयम् सूक्तः विवेचनम् । पाठः 13 – वृक्षारोपणाय प्रेरणा । नियतकार्यम् – 3	
दिसम्बर 20	नव संस्कृतम् – चतुर्दशः पाठः – श्रद्धावान् लभते ज्ञानम् मानवीयमूल्यम् – भक्ति-कर्म-ज्ञानयोगानाम् महत्त्वम् । पंचदशः पाठः- चरण स्पर्शस्य महत्त्वम् । मानवीयमूल्यम् – अभिवादनशीलस्य आयुः विद्या यशो बलं वर्धते । व्याकरणम् – पाठः 4 धातुरुपप्रकरणम् लोट् – विधिलिङ्गलकारौ पाठः 9 उपपद विभक्तयः पंचमी , षष्ठी , सप्तमी यथा – भी , पुरतः , पृष्ठतः , उपरि , अधः , कुशलः , स्निह् , विश्वस्	पाठः 14 गीतायाः महत्त्वम् पाठः-15 अभिवादनाय प्रेरणा हितोपदेशस्य अन्यकथानां संकलनम् । सुभाषितानां संकलनम् उपपदविभक्तियुक्तवाक्यानां संकलनम् । पंचमी – बहिः , विना , भी षष्ठी – पुरतः , पृष्ठतः , उपरि , अधः	

जनवरी 17	नव संस्कृतम्- षोडशः पाठः –योजकस्तत्र दुर्लभः मानवीयमूल्यम् – सन्निमित्तस्य विवेचनम्	पाठः – 16हितोपदेशस्य मित्राधारितकथा । • तुमुन्प्रत्यययुक्तवाक्यानां संकलनम् ।
	व्याकरण – पाठः 10 तुमुन् प्रत्ययः पाठः 11. अशुद्धिसंशोधनम्	•संस्कृते विज्ञानम् । •संस्कृतवाक्य रचना ।
फरवरी 21	नव संस्कृतम् – पुनरावृत्तिः पाठः – 01– 16	
	व्याकरण – समस्त व्याकरण कार्याणां पुनरावृत्तिः आदर्शप्रश्नपत्र – 2 समाधानम् । वार्षिकपरीक्षा	

Subject : Computer Science (W.E.)

Text Books –

Month	W. Days	Topics To Be Covered
April + May	21+05	NUMBER SYSTEM <ul style="list-style-type: none"> • TYPES OF NUMBER SYSTEM (Binary & Decimal) • NUMBER SYSTEM CONVERSION • Worksheet WORD PROCESSING TOOLS <ul style="list-style-type: none"> • INTRODUCTION TO POWER POINT • POWER POINT MENUS • MULTIPLE VIEWS IN POWER POINT • SLIDE SHOW • SLIDE ORIENTATION • Worksheet
June	15	ANIMATION AND GRAPHICS IN POWER POINT <ul style="list-style-type: none"> • FONT MANAGEMENT • BORDERS AND SHADES • SLIDE MASTER • ADDING DIFFERENT OBJECTS TO SLIDE • Worksheet Activity: Developing an animated power point show to demonstrate solar system
July	22	<ul style="list-style-type: none"> • PUBLISHING SLIDES IN OTHER FORMATS • SETTING DOCUMENT PASSWORD • WORKSHEET
August	22	MICROSOFT WORD BASICS <ul style="list-style-type: none"> • GETTING START WITH WORD • EXPLORE WINDOW • SAVING AND OPENING A DOCUMENT • FORMATTING TEXT OPTIONS • TEXT COLOUR EFFECTS • TEXT ALIGNMENT AND INDENTATION • CREATING LIST • PARAGRAPH SPACING • BORDER AND SHADING • USING GRAPHICS • EMAILING DOCUMENTS • ADDING HEADER AND FOOTER • PAGE NUMBERING

- PAGE ORIENTATION
- USING TABLES
- DOCUMENT PRINTING
- CHECKING SPELLING AND GRAMMAR
- WORKSHEET

Activity:

Developing and emailing a school science project report

September	19	Revision & Practical Examinations
		Assessment
October	18	MICROSOFT EXCEL BASICS
		<ul style="list-style-type: none"> • DEALING WITH TABS AND RIBBONS • WORKING WITH WORKBOOKS • WORKSHEETS IN EXCEL • CELL FORMATTING • KEYBOARD SHORTCUTS • CELL MERGING • BORDERS AND SHADES IN EXCEL • HEADER AND FOOTER IN EXCEL • FREEZING PANES • WORKSHEET
		Activity:
		Developing a class time table
November	16	ADVANCE OPTIONS IN EXCEL
		<ul style="list-style-type: none"> • FORMULAS IN EXCEL • FUNCTIONS IN EXCEL
		Activity:
		Developing a school mark sheet template
December	20	MS ACCESS BASICS
		<ul style="list-style-type: none"> • DESCRIPTION • STARTING MS ACCESS • CREATING AND OPENING A DATABASE • CREATING A TABLE • DATA MANIPULATIONS
January	17	ADVANCED FEATURES OF MS ACCESS
		<ul style="list-style-type: none"> • ADVANCED TABLE FEATURES • FORMS AND REPORTS • WORKSHEET
February	21	Revision, Final Project, Practical Exams.
		Assessment

Subject : Physical Education

Month	W. D.	Unit / Chapter
April to June	21+05 +15	<u>Chapter-1: General fitness, Drill, Chess, Badminton, Kabaddi, Volleyball, Basketball & Skatting :</u>
		<ol style="list-style-type: none"> 1. Students will be taught about warming up (general & specific) 2. Free hand exercises & how to improve their motor skill abilities & fitness and wellness. 3. Students will be taught about basic & advanced skill of above mentioned games. 4. Selection will be done on the basis of their performance and command on the skill for inter house, Inter DPS & CBSE cluster tournaments. 5. Students will learn the rules and regulation of above mentioned games. 6. Students will be involved in real game situations with using taught skills. 7. Students will be learning about basic & advanced skill of above mentioned games. 8. Mass drill selection and learning of new exercises and different formations for mass drill.

		9. Students will be learning the importance of yoga and different asana.
		10. Videos on Smart Board and P.P.
July to Sept.	22+22+19	<u>Chapter-2 : Basketball, Volleyball, Football, Kabaddi, chess & Yoga :</u> 1. Students will be taught about specific warm up of above mentioned games. 2. Selection will be done on the basis of their performance and command on the skill for inter house, inter DPS & cluster tournaments. 3. Students will learn the rules and regulation of above mentioned games. 4. Students will be involved in real game situations with using taught skills. 5. Fitness test-jumping, running ,sit-ups ,shuttle run 6. Students will learn about importance of yoga and will practice different asana. 7. Students will learn how to improve their motor skills abilities. 8. Mass drill selection and learning of new exercises and different formations for mass drill. 9. Videos on Smart Board and P.P.
Oct. to Nov.	18+16	Mid – Term Examination <u>Chapter-3 : Basketball, volleyball, football, cricket & kho- kho</u> 1. Students will be learning about specific warming up of above mentioned games 2. Free hand exercise & how to improve their motor skill abilities & fitness. 3. Students will learn the rules and regulation of above mentioned games. 4. Students will use the learnt skills in real match situations. 5. Psychological aspects of physical education. 6. Students will learn how to improve their motor skills abilities. 7. Mass drill selection and learning of new exercises and different formations for mass drill. 8. Videos on Smart Board and P.P.
Dec. to Jan.	20+17	<u>Chapter-4 : Kho-Kho, Cricket, athletics & yoga:</u> 1. Students will be learning about specific warming up of above mentioned games 2. Mass drill selection and learning of new exercises and different formations for mass drill. 3. Students will be learning about basic & advanced skill of above mentioned games. 4. Students will use the learnt skills in real match situations. 5. Sports day rehearsal. 6. Fitness test-jumping, running ,sit-ups ,shuttle run
Feb.	21	Annual Examination <u>Chapter-5</u> 1. Revision of the previous classes, match play

Subject: SWIMMING

MONTH	No Of W.D.	UNIT /CHAPTER	DESCRIPTION
MARCH	23	SWIMMING CAMP	i) Preparation for swimming competetions.
APRIL to JUNE	21+5+15	CHAPTER -1	i) General & specific warming up on ground and in the swimming pool ii) Checking of waterman ship. iii) Selection of swimming team of performance basis iv) Rules & regulations of swimming. v) Demonstration of four basic skills of swimming. vi) Preparation of swimming demonstration. vii) Videos and power point presentation.
JULY to SEPT	22+22+19	CHAPTER- 2	i) Stroke correction. ii) Swimming START, TURNING & GLIDING

- practice.
- iii) Types and kind of START practice.
- iv) Time trials.
- v) Competition in groups.
- vi) Videos and power point presentation.

OCT
&
NOV 18+16

- CHAPTER -3
- i) Medley relay & relay race practice.
 - ii) Sequence of stroke in relay & individual medley
 - iii) TURNING correction.
 - iv) Time trials.
 - v) Competition in groups.
 - vi) Videos and power point presentation.

Subject: Life Skills

MONTH	WD	UNIT/CHAPTER	VALUES IMPARTED/ACTIVITIES
APRIL	21	LIFE IS A BOOMERANG <ul style="list-style-type: none"> • We get only what we give • Matured decision • Understanding of a situation 	VALUES <ul style="list-style-type: none"> - Concern for others - Forgiveness - Good manners - Self restraint ACTIVITY <p>Prepare a tree of friendship with the essential qualities as its roots and fruits.</p>
MAY+JUNE	8+15	LOVE IS THE GREATEST VALUE <ul style="list-style-type: none"> - Awareness of different emotions - Positivity of love 	VALUES <ul style="list-style-type: none"> - Dispel hatred from heart - Building empathy and compassion ACTIVITY <ul style="list-style-type: none"> - Sharing experiences when you felt someone's affection through his/her action. - Discussion on ways through which you can change people's rude behaviour.
JULY	22	MANAGING YOUR FEELINGS <ul style="list-style-type: none"> - Identification of positive and negative feelings - Effects of emotion and self control 	VALUES <ul style="list-style-type: none"> - Self awareness - Self control - Positive Thinking ACTIVITY <p>Role play on real life situations.</p>
AUGUST	22	NO SHORT CUT TO SUCCESS <ul style="list-style-type: none"> - Purity in public life - Resisting temptation - Stepping out of comfort zone 	VALUES <ul style="list-style-type: none"> Honesty Courage Hard-working Sincerity ACTIVITY <p>Preparing PPT/charts on successful personalities who worked hard to achieve that position.</p>
SEPTEMBER	19	HALF-YEARLY EXAMINATION	-----
OCTOBER	18	LEARNING FROM FAILURES <ul style="list-style-type: none"> - Overcoming and mastering disappointment - Accepting failure as a stepping stone to success 	VALUES <ul style="list-style-type: none"> Endurance Confidence Optimism ACTIVITY <ul style="list-style-type: none"> Narrating stories of over-coming disappointment Public Speaking Ted Talk
NOVEMBER	16	"IS IT FAIR TO BELIEVE	VALUES

THIS?"
 - Fair judgement
 - Abstain from rumour

Sense of Justice
 Consideration for others
 Humanism
ACTIVITY
 Situational based assessment of
 behaviour(situation given and students'
 reaction)

DECEMBER 20 **BE YOURSELF!**
 - Listen to your Conscience
 - Distinguishing between right and
 wrong
 - Learning to be true to yourself

VALUES
 Self-confidence
 Courage
 Self-Discipline
 Self –Control
ACTIVITY
 Write a brief account of the toughest moral
 choice you ever had to make.

JANUARY 17 **EACH ONE OF US IS UNIQUE**
 - Building bridges across the
 differences
 - Understanding the value of
 peaceful co-existence

VALUES
 Peace
 National Integration
 Humanism
ACTIVITY
 You are a bridge engineer. Write down
 five steps for building a bridge of trust and
 friendship .What are the 'materials' you
 will need?

FEBRUARY 21 **ANNUAL EXAMS**

Subject: GERMAN

HALLO DEUTSCH(Kursbuch und Arbeitsbuch)-2 :Goyal Publication

Months	WDays	Contents	Activities
April	21	. Lektion Eins – Was isst du in der Pause? (Lehrbuch +Arbeitsbuch)	. Aussprachen und üben (Verben)
May	05	. wiederholen	
June	15	. Lektion Zwei- Meine Schulsachen (Lehrbuch +Arbeitsbuch)	Die Landes Kunde
July	22	. Lektion Drei – Was gibt es im Fernsehen? (Lehrbuch +Arbeitsbuch)	. Die Tatsachen über Deutschland
August	22	Lektion Vier – Um Wie viel Uhr stehst du auf ? (Lehbuch +Arbeitsbuch)	.Hören- Audio Cd's
September	19	.Wiederholen	
October	18	. Lektion Fünf – Kannst du inlineskaten? (Lehrbuch +Arbeitsbuch)	Flashkarten Benützen
November	16	. Lektion Sechs – Wem gehört das Fahrrad? (Lehrbuch+Arbeitsbuch)	. Video Cd's Sehen
December	20	. Lektion Sieben – Wohin Fährst du in Urlaub? (Lehrbuch +Arbeitsbuch)	. E-mail und Sms Schreiben
January	17	. Lektion Acht – Alles gute zum Geburtstag(Lehrbuch +Arbeitsbuch)	
February	21	.Wiederholen	

Subject : French

Book: Book: Bonjour L'Inde 4

Month	WD	Les noms de leçon	Grammaire
Avril	21	Le quartier de Brigitte	Les propositions, Civilization de France, Conjugaisons de verbes
Mai	05	Le quartier de Brigitte	-IR,-RE,-OIR ending verbes
Juin	15	Sophie a mal à la gorge	Vocabulaire, Les expressions avec 'avoir' et 'etre', Les articles partitifs, Les articles contractés
Juillet	22	Il faut levez la main	Les adverbes Les adjectives Imperatifs Les monuments à France
Aout	22	Une tenue Chic	Vocabulaire Les expressions avec avoir Le future proche
Septembre	19	Revision	
Octobre	18	Mes contes favoris	Vocabulaire Le passé compose avec "Avoir" La negation L'inrerrogation Les écrivains français
Novembre	16	Les grandes figures françaises	Les participles passes Les connecteurs logiques
Decembre	20	Allons en Belgique	Vocabulaire Les forms negations Décrire une personne Civilization
Janvier	17	Mme Chabod est travailleuse	Vocabulaire Le present progressif Le passé recent Civilization
Février	21	Revision	

ART-EDUCATION**Subject : Vocal Music**

Month	W.D.	Particulars	Learning Outcomes
April	21	Revision, 5 Alankars in Kafi Thaata, Alankaron ki Nirmaan Ki Vidhi, Raga Bageshwari - Introduction.	Technique
May+ June	05+1 5	Raga Bageshwari continued with Bandish 8 and 16 matra Taan & Sargam Varan & Alankar	Coordination.
July	21	Taal – Jhap Taal & Soor Taal (Dugun) Definition of Vaadi, Samvaadi, Anuvadi and Vivadi Swar.and project make a 5 alankars in raag Bageswari.	Discipline Maintained Rhythm in proper way.

August	22	Welcome Song – new one Raag Bageshwari with Bandish & 8 and 16 mantra taan & sargam. Write about History of classical music.	Importance for those who come in our special day Vasudhaive kutumb kam
September	19	Revision Half Yearly Examination	
October	18	Revision 5 Alankars in Bhairavi Thaata, Introduction of Raag Malkauns. Project : Write a biography of Indian musical person.	Elaborate: Involving carefully arranged part of details
November	16	Raga Malkuns (continues) with Bandish 8 and 16 mantra taan & sargam, Definition of Pakad, Alaap and Taan.	Know about classical singing with details
December	20	Taal – Dhanur, Ek Taal (Dugun) with Hand Bits. Raag Malkuns contd. Songs from almanac Gaye ja aye raahi/ hoga kal	Discipline: Maintain rhythm in proper way.
January	17	Biography of Pandit V.D.Paluskar, Songs from almanac/ New one	History of classical music legend
February	21	Revision Annual Examination	

Subject : DANCE (Kathak)

Month	W.D.	Particulars	Learning outcome
April	21	Theory – Introduction of Jhap Taal, Teen Taal	Prac: Choreography on “RAIN” in Kathak Style
May+June	05+1 5	Theory – The history of Kathak Dance	Prac: contd. Project Work – Salami, Uthan, Tukda in Jhap taal
July	22	Theory – Gharana of Kathak dance	Pract. – Toda, Teehai in Jhap Taal Choreography- contd.
August	22	Theory — Costume and make up of Kathak Dance	Project: Costume and make up of Indian classical dance forms
September	19	Theory – Life sketch of any kathak exponent Pract. – Kavitta in Jhap Taal	
October	18	Theory: Anga Bhed – Anga, Pratyang, Upanga	Prac. A creative dance
November	16	Theory: Mudra, Hasthak, Sanyukt Mudra, Asanyukt Mudra	Prac: Creatntd.
December	20	Theory: Bhramaree, Kasak – masak	Prac: Creative dance
January	17	Theory: Gat – Bhav, Nikas	Prac: Creative dance
February	21	Theory: Mudra	Project on Mudra

Subject: Sculpture:

Month	W.D.	Particulars
April	21	Terracotta Sculpture (Traditional)
May+June	05+1 5	Terracotta Sculpture (Miniature) Project: Terracotta Mural coil process

July	22	Tiles Relief Mural
August	22	Creative pot making (Geometrical shapes)
September	19	Creative pot making
October	18	Coil pottery (cylindrical shapes)
November	16	Coil Pottery (shape making)
December	20	House model (Slabing process)
January	17	House model
February	21	Composition

Subject : ART & CRAFT

Month	W.D.	Particulars	Learning outcome
April	21	Theory – Monochrome and polychrome colour. Practical – Monochrome painting (contd.).	
May + June	05 + 15	Practical – Monochrome painting. Still life, Nature study in pencil shading	Project on Chines water colour
July	22	Human figure sketching Composition in water colour	
August	22	Art of Indus Valley Kantha Stitch Work (cond.)	
September	19	Kantha Stitch Work Gound painting Half Yearly Examination	
October	18	– Ajanta, Ellora, Elephanta – Assemblage Art.	
November	16	– Symmetrical and Asymmetrical Design. – Rangoli design.	Making file & Book Mark
December	20	– Art of Amrita Sergil – Package Designing, Paper bag.	
January	17	– Composition in water colour – Craft	
February	21	Craft Annual Examination	

Subject : PHOTOGRAPHY

Month	W.D.	Particulars	
April	21	Discuss on photography, camera, Lights and object and prac. Photography Learning outcome: Information	
May	05	Past photographic era Making of photo album Learning outcome: Knowing yourself doing yourself.	
June	15	Fixed focus camera and details Learning outcome: Information	
July	22	Self timer camera, auto and automatic camera details. Learning outcome: Device system	
August	22	SLR, DSLR, TLR type of camera Difference of SLR and TLR camera. Learning outcome: Variety & Perfection	
September	19	Latent image on LSM, complete album, Practical + Exam. Learning outcome: Co-operation Half Yearly Examination	

October	18	Making a Negative from film, various chemical used to make this process success. Enlarge a photograph Learning outcome: Value Presentation
November	19	Elements used to make a picture more interesting, Practical Photography Learning Outcome: Information
December	20	Different film & camera reaction of light. Practical Photography Learning Outcome: Coordination
January	17	Reaction of light photo Filter inside the Dark room. Practical – Close up photography Learning Outcome: Knowing by doing
February	21	Various Sensitive materials Various Scientists of photography. Learning Outcome: Time management Revision Annual Examination

Subject : INSTRUMENTAL MUSIC (Spanish Guitar)

Month	W.D.	Particulars (Theory & Practical)
April	21	‘Fox tort’ Melody with chords. Chords of F Minor Value: Discipline
May	05	Picking around C scale tune Based on C Chords of G Value: Togetherness with family and friends.
June	15	Tune of Buffalo Gals with chords Chords of G minor Value: Collaboration: It is a process where two people work together to realize shared goal.
July	22	Music of Dewdrops with chords based on waltz (3/4) beat Stramming style or patterns 1 2 3 D D D Value: Good thinking or positivity, down to earth.
August	22	Quaver Rest a tune based on half Beat Value: Time Management To explore the different ways time management can be implemented.
September	19	Revision Half Yearly Examination
October	18	Practice of right hand with ultimate stroke or Down and up stroke Chords of A Value: Regularity
November	16	Melody of G Chords of A minor Value: Positivity
December	20	Tune of Jingle Bells on ‘A’ 4/4 Chords of ‘B’ Value: Celebration
January	17	The Band played on with chords Chords of B minor Value – Commitment.
February	21	Revision Annual Examination

Subject : : INSTRUMENTAL MUSIC (Tabla Percussion)

Month W.D. Particulars

April	21	शास्त्र :- वर्ण, बोल लेखन क्रियात्मक :- अभ्यास । Learning Outcomes: ताल का जीवन में महत्त्व	
May + June	05+1 5	शास्त्र :- परिभाषाएँ । क्रियात्मक :- बोल ताल अभ्यास । Learning Outcomes: अनुशासन तथा ताल सामंजस्य ।	
July	22	शास्त्र, प्रकार के कायदे, बोल लेखन अभ्यास । Learning Outcomes: विशेषताओ का महत्त्व समझाना साधारण एवं विशेष में अंतर स्पष्ट करे ।	
August	22	शास्त्र :- प्रकार के ठेका लेखन । क्रियात्मक :- ताल ठेका अभ्यास । Learning Outcomes: बच्चो को विस्तार से ताल बोल का परिचय	
September	19	शास्त्र :- झपताल, रूपक, धमार, कहरवा, दादरा परिचय एवं लेखन । क्रियात्मक :- अभ्यास । नैतिक शास्त्र ज्ञान :- व्यवहार और संबंध में अन्तर । शास्त्र :- उठान, लेखन । क्रियात्मक :- उठान अभ्यास ।	
October	18	शास्त्र :- रूपक ताल का लेखन । क्रियात्मक :- रूपक ताल का अभ्यास ।	कक्षा में वादन अभ्यास तथा ताल के विभिन्न पहलुओ पर बच्चो को समझाना
November	16	क्रियात्मक :- उठान, कायदा, पलटा, तिहाई रेला अभ्यास ।	अभ्यास ।
December	20	क्रियात्मक :- हाथ से ताली देकर बोल अभ्यास ।	ताल की लय को समझना तथा बोलो को ताल के स्वरूप के साथ वादन ।
January	17	क्रियात्मक :- एकल वादन अभ्यास ।	लय सामंजस्य । अभ्यास का जीवन में महत्त्व ।
February	21	क्रियात्मक :- नगमा अभ्यास ।	लय का जीवन में महत्त्व ।

Subject : KUCHI PUDI DANCE

Month	W.D.	Particulars	Integrated Values
April	21	Origin and development of Indian classical dance Kuchipudi Ist half foot work.	Under stand traditional methods of leaving.
May+June	05+15	Asamyutha Hastas 24 and second half Jathis Slokhas starting Brahmanjali.	And Performing. Props And Charts Indian classical dances.
July	22	Samyutha Hastas, Asamyutha Hasthas Ist half Jathis Second half Jathis etc,	Introduction's. Western Cultural Introductions.
August	22	Bhedas :-Pada, Drishti Shira, Greeva Brakuti along with Slokha's.	Of All countries dances and all.
September	19	Revision, Half Yearly Examination	
October	18	Vandana:-The obeisance Tala (Rhythm) Tala Timing three speed of living.	Projects about German Folk Dance.
November	16	Description of Dance, body language (physical) demonstration.	Jazz, Ballroom, kabuki of Japan cha-cha-cha
December	20	Importance of Nritya at various times of workshop. In a temple.	Kuchipudi, Ballet Bharat Natyam, Trinkling, Kathak,

January	17	Dance for healthy, Beauty and Vifality.	Hip-Hop, waaking, Contemporary, India.
February	21	Revision, Annual examination	Halay, Boroug.

Subject-GK,

Book-Know for sure (Britannica Learning)

Month	WD	Unit / Chapter
Apr+May	21+08	The natural world - how animals adopt? - Geo wonders - forest quest - How plants adopt - Threats to wildlife - Antarctic adventures
June	15	Things around me – Environmental threats - Tackling garbage Numbers and Logical skills – brain teasers Science and Technology - Indian scientist and inventions - On the move - Science Quiz
July	22	Science and Technology - Branches of science - Space of quiz Language and Literature, Legends and Myths - Mythical creatures Arts and Music - Screen names - Amazing artists Sports - Counting on courage - Playing hockey - Cricket 20-20 - Martial art
Aug	22	The world around us - Most populous cities of the world - Tradition tour - Famous people - Castles and palaces - Ship ahoy! - Famous explorers - Tribes of India - Around the world
Sept	19	The world around us - The united Nations - Parliaments of the world - Man-made wonders of the world
October	18	Revision The natural world – Kingdom of the ocean Things around me - Eco-crossword - Making recycled papers - Deadly disasters - Conserving water Numbers and logical skills - maths magic - Prickly puzzles
November	16	Science and Technology

		<ul style="list-style-type: none"> - The chemistry of it - IT queries - Unique universe - 20th century inventions
		Language and Literature, Legends and myths <ul style="list-style-type: none"> - Eklavya's story - Book land - Language word search - Guess the words - Answering history
December	20	Arts and Music <ul style="list-style-type: none"> - Legends of Indian Cinema - Entertainment awards - Celebrities who care
		Sports <ul style="list-style-type: none"> - Game for pool - Sporting stars
		The world around us <ul style="list-style-type: none"> - Business giants - Nobel women - Governing systems
January	17	The world around us <ul style="list-style-type: none"> - Lost cities - Famous trains - Talking 21st century - Knowing Eastern India - Guess the brand
February		Revision

Subject: Quiz

Month	WD	Contents
April	21	Famous quotes, Famous speeches
May	08	Martial arts, sculptures, arts
June	15	Forests, Science quiz, stamps
July	21	Old names of places, The United Nation
August	23	Famous land marks, Branches of study
September	19	Revision
October	18	Quiz on Northeast India, Famous train
November	16	Famous train, Quiz on North India, Central India
December	20	The Oscar Awards, Smart Cities, IT Quiz
January	17	Forts of India, Folk dances of India
February	21	Revision

Electronics & Robotics-LEVEL-01			
Month	W.D	Contents	Activity/ Projects
April	21	<ul style="list-style-type: none"> • Introduction to Basic Electronics and Robotics • Electronics, Electrical, Mechanical & Information Technology Knowledge • Electronics, Mechanical, Electrical etc. components and ingredients in Robotics 	<ul style="list-style-type: none"> • Connect electrical and electronics components with the help of breadboard
May	05	<ul style="list-style-type: none"> • Multimeter: Uses of Multimeter to measure voltage, current and resistance. 	<ul style="list-style-type: none"> • Check the power supply voltage • Find the resistances of a resistor
June	15	<ul style="list-style-type: none"> • Basics electronic components: 	<ul style="list-style-type: none"> • Testing for Continuity

		<ul style="list-style-type: none"> Resistors, Capacitors, Transistors, Diodes, LED etc Breadboard: (Small & Large), Connections on breadboard. 	<ul style="list-style-type: none"> Developed circuit using breadboard, electrical and electronics components.
July	22	<ul style="list-style-type: none"> Electric Switch: Push button switch, Slide switch, Toggle switch, DPDT switches etc. 	<ul style="list-style-type: none"> Developed Pick and Place Robot
August	22	<ul style="list-style-type: none"> Motors: DC motor, Servomotor, Stepper motor etc. 	<ul style="list-style-type: none"> Design and build remote controlled, wireless robots (Robosoccer)
September	19	<ul style="list-style-type: none"> Revision + Activity+ Project 	
October	19	<ul style="list-style-type: none"> Sensors: IR sensor, Ultrasonic sensor, Proximity sensor, Temperature sensor etc. 	<ul style="list-style-type: none"> Line Follower Robot that follows a line using infrared sensors Edge avoider robot using IR sensor
November	17	<ul style="list-style-type: none"> Wireless applications: Infra Red, Radio frequency, Bluetooth etc. Arduino: An Introduction, Structure of an Arduino Sketch Arduino Architecture - Pin Diagram 	<ul style="list-style-type: none"> Obstacle Avoider Robot using IR sensor Bluetooth Robotics and control it using Android Phone
December	16	<ul style="list-style-type: none"> Microcontroller and its programming language. Internet of Things: Introduction & Applications 	<ul style="list-style-type: none"> Build a Bluetooth Based Home Automation System Project that can be controlled by Android Phone
January	16	<ul style="list-style-type: none"> DHT sensors to detect humidity and temperature, Soil moisture sensor, LDR sensor, Water flow meter, PIR sensor 	<ul style="list-style-type: none"> Developed IoT based project
February	18	<ul style="list-style-type: none"> Revision + Activity+ Project 	
