

NEW ERA PUBLIC SCHOOL, DWARKA
SYLLABUS 2018-19
CLASS: IX

SUBJECT: ENGLISH

TERM I				
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	GRAMMAR	WRITING SKILLS	ACTIVITIES
APRIL (20)	UNIT 1- The Fun They Had The Road Not Taken (Poem) Supplementary Reader- The Lost Child	Adverbs, Conditional Clauses	Formal Letter	Group Discussion
MAY (17)	UNIT 2- The Sound of Music Wind (Poem) Supplementary Reader- The Adventures of Toto	Infinitives, Subject-Verb Agreement	Biographical Sketch, Notice Writing	PPT Presentation
JUNE (2)	The Adventures of Toto (Continued)			
JULY (21)	UNIT 3- The Little Girl Rain on the Roof (Poem) UNIT 4- A Truly Beautiful Mind Supplementary Reader- Ishwaran the Storyteller	Reporting Verbs, Participle Clauses	Newspaper Report	Class Presentation
AUGUST (21)	UNIT 5- The Snake and the Mirror The Lake Isle of Innisfree (Poem) A Legend of the Northland (Poem) Supplementary Reader- In the Kingdom of Fools	Reported Speech	Story Writing	Story Relay
SEPTEMBER (9)	Supplementary Reader- The Happy Prince REVISION			

TERM II

MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	GRAMMAR	WRITING SKILLS	ACTIVITIES
OCTOBER (19)	UNIT 6- My Childhood No Men are Foreign(Poem) Supplementary Reader- Weathering the Storm in Ersama	Use of Passive Voice Editing/Omitting	Article Writing	Class Discussion
NOVEMBER (15)	UNIT 7- Packing The Duck and the Kangaroo (Poem) Supplementary Reader- The Last Leaf	Relative Clauses, Modals	Process Writing, Advertisement	Pamphlets making
DECEMBER (18)	UNIT 8- Reach for the Top On Killing a Tree (Poem) Supplementary Reader- A House Is Not a Home	Punctuation, Compound and Complex sentences	Speech Writing	Extempore
JANUARY (18)	UNIT 9- The Bond of Love The Snake Trying (Poem) Supplementary Reader- The Accidental Tourist	Jumbled Sentences, Prepositions, Determiners	Debate Writing	Debate
FEBRUARY (20)	UNIT 10-Kathmandu A Slumber did my Spirit Seal (Poem) UNIT 11- If I Were You... Supplementary Reader- The Beggar	Phrasal verbs, Prefixes and Suffixes, Tenses	Diary Entry	Role Play Class Discussion

न्यू इरा पब्लिक स्कूल, दवारका
हिन्दी पाठ्यक्रम (2018-2019)
कक्षा नौवीं (विषय हिन्दी)

माह	गद्य - स्पर्श	पद्य - स्पर्श	संचयन	व्याकरण
अप्रैल, मई-18	दुख का अधिकार	रैदास के पद	गिहू	वर्ण-विच्छेद, 'र' के विभिन्न रूप, अनुस्वार अनुनासिक, नुक्ता चित्र वर्णन, अनौपचारिक पत्र लेखन
जून, जुलाई' 18	धूल	रहीम के दोहे	स्मृति	उपसर्ग, प्रत्यय विज्ञापन लेखन अनुच्छेद लेखन संवाद-लेखन
अगस्त-18	एवरेस्ट : मेरी शिखर यात्रा	आदमीनामा	कल्लू कुञ्जार की उनाकोटी	विराम-चिह्न संधि (स्वर, व्यंजन, विसर्ग) अपठित पद्यांश अपठित गद्यांश
सितंबर' 18	तुम कब जाओगे अतिथि			संधि-अज्ञ्यास, संवाद-लेखन, विज्ञापन - लेखन पत्र - लेखन अपठित गद्यांश
अक्तूबर' 18	कीचड़ का काव्य	एक फूल की चाह	मेरा छोटा-सा निजी पुस्तकालय	चित्र वर्णन, संवाद लेखन पत्र लेखन, विराम चिह्न, विज्ञापन लेखन
नवंबर' 18		गीत-अगीत		वर्ण-विच्छेद, उपसर्ग एवं प्रत्यय द्वारा शब्द निर्माण, अपठित गद्यांश, अपठित काव्यांश
दिसंबर' 18	वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रामन्		हामिद खाँ	अनुच्छेद-लेखन, पत्र लेखन, चित्र वर्णन, अपठित गद्यांश/पद्यांश
जनवरी' 19	धर्म की आड़	अग्निपथ		संधि-अज्ञ्यास, वर्ण-विच्छेद, उपसर्ग प्रत्यय, संवाद लेखन, विज्ञापन लेखन
फरवरी' 19	शुक्रतारे के समान	नए इलाके में खुशबू रचते हैं हाथ	दिए जल उठे	पत्र-लेखन, अनुच्छेद-लेखन उपसर्ग व प्रत्यय

SUBJECT: MATHEMATICS

TERM I		
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	ACTIVITIES
<p>APRIL (20)</p>	<ul style="list-style-type: none"> • CH – 1 NUMBER SYSTEMS <p>Introduction,irrational nos.,decimal representations of rational numbers, real numbers on number line, laws of exponents.</p> <ul style="list-style-type: none"> • CH – 2 POLYNOMIALS <p>Zeros of a polynomial, remainder theorem, factorisation of polynomials, identities</p> <ul style="list-style-type: none"> • CH – 3 COORDINATE GEOMETRY <p>Consistency, inconsistency, graphical method, substitution method, elimination method, cross multiplication method</p>	<ul style="list-style-type: none"> • Square root spiral • Plotting the coordinates of the vertices of a quadrilateral to find its mirror image about the x axis. • Verify the identity $(a - b)^2 = a^2 - 2ab + b^2$
<p>MAY (17)</p>	<ul style="list-style-type: none"> • CH – 4 LINEAR EQUATIONS IN TWO VARIABLES <p>Linear equations, solution of a linear equation, Graph of a linear equation, equations of lines parallel to x axis and y axis.</p> <ul style="list-style-type: none"> • CH – 6 LINES AND ANGLES <p>Terms and definitions, intersecting and non – intersecting lines, pairs of angles, parallel lines and a transversal, angle sum property of triangles.</p> <ul style="list-style-type: none"> • CH – 12 HERON’S FORMULA <p>Area o a triangle, applications.</p>	<ul style="list-style-type: none"> • To show that the co-interior angles formed by parallel lines and a transversal are supplementary. • To show that alternate interior angles formed by two parallel lines and a transversal are equal.
<p>JUNE (2)</p>	<ul style="list-style-type: none"> • CH – 5 EUCLID’S GEOMETRY <p>Axioms and postulates.</p>	

JULY (21)	<ul style="list-style-type: none"> CH – 7 TRIANGLES <p>Congruence of triangles, criteria for congruence, properties of a triangle, properties of a triangle, inequalities in a triangle.</p> <ul style="list-style-type: none"> CH – 8 QUADRILATERALS <p>Angle sum property of quadrilaterals, types, properties of parallelogram, Mid – point theorem</p>	<ul style="list-style-type: none"> To show that the angles opposite to equal sides of an isosceles triangle are equal. To verify the Mid Point theorem.
AUGUST (21)	<ul style="list-style-type: none"> CH – 9 AREAS OF PARALLELOGRAMS AND TRIANGLES <p>Figures on the same base and between the same parallels, parallelograms on the same base and between same parallels, triangles on the same base and between same parallels.</p> <ul style="list-style-type: none"> CH – 10 CIRCLES <p>Circles and its related terms, angle subtended by a chord at a point, perpendicular from the centre to a chord, circle through three points.</p>	<ul style="list-style-type: none"> To verify that parallelograms on the same base and between the same parallels are equal.
SEPTEMBER (9)	<ul style="list-style-type: none"> CH – 10 CIRCLES (Contd.) <p>Equal chords and their distances from the centre, angle subtended by an arc of a circle, cyclic quadrilateral.</p>	<ul style="list-style-type: none"> To verify that the angle subtended by an arc of a circle at the centre is double the angle subtended by the same arc on the remaining part of the circle.
TERM II		
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	ACTIVITIES
OCTOBER (19)	<ul style="list-style-type: none"> CH – 13 SURFACE AREAS AND VOLUMES <p>Surface area of cuboid, cube, cylinder, cone, sphere and hemisphere.</p> <p>Volume of cuboid, cube, cylinder, cone, sphere and hemisphere.</p>	<ul style="list-style-type: none"> To derive the TSA of a cube.
NOVEMBER (15)	<ul style="list-style-type: none"> CH – 11 CONSTRUCTIONS 	

	Constructions of angles, bisectors, triangles	
DECEMBER (18)	<ul style="list-style-type: none"> CH – STATISTICS Collection of data, presentation of data, graphical representation of data, measures of central tendency.	
JANUARY (18)	<ul style="list-style-type: none"> CH – PROBABILITY Introduction to probability, an experimental approach	
FEBRUARY (20)	Revision & Practicals	

SUBJECT: SCIENCE

TERM I

TERM I				
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	ACTIVITIES	PRACTICALS	CORE LEARNING
APRIL (20)	Ch-1 Matter in our surroundings Ch-8 Motion Ch-5 The fundamental unit of life	1) Distinguish between hypotonic, isotonic and hypertonic solution	1) Preparation of stained temporary mounts of onion peel and human cheek cells.	Physical nature of matter, characteristics of particles of matter, states of matters, Names and Symbols of ions (H^+ , Cl^- , Br^- , I^-) 2) Laws of motion Acceleration, velocity, Graph 3) Cell organelles functions
MAY	Ch-1 Matter in our surroundings continues		To prepare (i) a true	Change in state of matter, Evaporation

(17)	Ch-8 Motion (in continuation)	Graph for different situation	<p>solution</p> <p>(ii) a suspension</p> <p>(iii) a colloidal solution and distinguish between them on the basis of:</p> <p>a) transparency</p> <p>b) filtration</p> <p>c) stability</p>	Names and Symbols of ions (O^{2-} , S^{2-} , N^{3-})
JUNE (2)	Ch-15 Improvement in food resources			<p>Crop variety improvement</p> <p>Crop protection management</p> <p>Animal husbandary</p>
JULY (21)	<p>Ch-2 Is matter around us pure</p> <p>Ch-15 Improvement in food resources (in continuation)</p> <p>Ch-9 Forces and laws of motion</p>	1) Applications of laws of motion	To separate the components of a mixture of sand, common salt and ammonium chloride.	<p>Mixtures and types, Solutions and types,</p> <p>Methods to separate the components of a mixture</p> <p>Names and Symbols of ions (CO_3^{2-}, HCO_3^-, SO_3^{2-}, SO_4^{2-})</p> <p>Laws of motion and their applications</p>

	Ch-10 Gravitation (Universal law of gravitation, Mass & weight, Comparison of weight on moon and earth)		(iv)heating of copper sulphate (v)sodium sulphate and barium chloride solution. 3)Identify the given plant and animal tissues. 4)Determinatio n of the density of solid by using spring balance and a measuring cylinder.	3) Universal Law,Mass and weight
SEPTEMBER (9)	Revision			
TERM II				
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	ACTIVITIES	PRACTICALS	CORE LEARNING

<p>OCTOBER (19)</p>	<p>Ch-3 Atoms and molecules</p> <p>Ch -Diversity in Living Organisms</p> <p>Ch-10 Gravitation(Thrust & pressure, Archimedes Principle, Buoyant force, Density, Relative density)</p>		<p>1)Verification of the law of conservation of mass in a chemical reaction.</p> <p>2)Study of the external features of root, stem and flower of monocot and dicot plants.</p> <p>3)Establishing the relation between the loss in weight of a solid when fully immersed in tapwater.</p>	<p>Names and Symbols of ions (cations)</p> <p>Laws of chemical combination, Dalton's atomic theory, Atom, Atomic mass</p> <p>Molecule, Atomicity, Writing Chemical formula Features of plant and animal kingdom.</p> <p>2) Buoyant force and Archimedes Principle</p> <p>3)Classification and nomenclature</p> <p>Features of animal kingdom and plant kingdom</p>
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NOVEMBER (15)	<p>Atoms and molecules continues</p> <p>Ch-4 Structure of atom</p> <p>Ch –Diversity in Living Organisms (continued)</p> <p>Ch 11-Work and energy</p>		<p>1)To determine the melting point of ice and the boiling point of water</p> <p>2) To identify the different plant and animal specimen.</p>	<p>1)Mole concept ,Numericals</p> <p>2)Thomson’s model of atom, Rutherford’s experiment , Bohr’s model of atom Types of energy</p> <p>1)Adaptive features of plant and animal kingdom(non chordates ,protochordates and chordates</p> <p>3) Types of energy, Conservation of energy</p> <p>Numericals</p>

<p>DECEMBER (18)</p>	<p>Ch-4 Structure of atom continue</p> <p>Ch-13 Why do we fall ill?</p> <p>Ch- 12 Sound (Propagation of sound, Description of wave and its characteristics, Speed of sound)</p>		<p>1)Verification of the laws of reflection of sound.</p> <p>2) Determination of the speed of a pulse propagated through a slinky.</p>	<p>Distribution of electrons in shells, Valency,</p> <p>Atomic number, Mass number, Isotopes and isobars.</p> <p>Types of diseases , Mean of spread of diseases.</p> <p>2) Longitudinal and transverse waves</p> <p>Medium of propagation</p> <p>Characteristics</p>
<p>JANUARY (18)</p>	<p>Ch-12 Sound (Echo, Reverberation, Three ranges of hearing, Human ear)</p> <p>Ch-14 Natural resources</p>	<p>Model of human ear</p>		<p>1)Structure of human ear</p> <p>Eco and Reverberation</p> <p>Natural resources, Air pollution, water pollution, water cycle, oxygen cycle, Nitrogen cycle, Carbon dioxide cycle.</p>
<p>FEBRUARY (20)</p>	<p>Revision</p>			

SUBJECT: SOCIAL SCIENCE

	HISTORY	GEOGRAPHY	POLITICAL SCIENCE	ECONOMICS
APRIL (20)		Ch-1 India-Size and Location Ch-2 Physical features of India	Ch-2 What is Democracy? Why Democracy?	-----
MAY (14)	Ch-1 The French Revolution	----- -----	-----	Ch-1 The Story Of Village Palampur
JULY (21)	Ch-2 Socialism in Europe and the Russian Revolution	Ch-3 Drainage	-----	Ch-2 People As A Resource
AUGUST (21)	Ch-3 Nazism and the rise of Hitler	-----	Ch-3 Designing of Democracy	-----
SEPTEMBER (9)	----- -----	-----	Ch-4 Electoral Politics	-----
OCTOBER (19)	Ch-4 Forest Society And Colonialism	-----	-----	Ch-3 Poverty As A Challenge

NOVEMBER (15)	----- -----	Ch-4 Climate	Ch-5 Working Of Institutions	Ch-4 Food Security In India
DECEMBER (18)	----- -----	Ch-5 Natural Vegetation And Wild Life	Ch-6 Democratic Rights	----- ---
JANUARY (18)	----- ----- --	Ch-6 Population	----- ---	-----
FEBRUARY (20)	REVISION			

MAP SYLLABUS

Term - I (APRIL - SEPTEMBER)

History

Geography

The French Revolution

Paris, Bordeaux, Nantes, Toulouse, Versailles, Alsace, Louhans, Ruffec, Brest, Bastille, Mediterranean, Italy, Spain, Switzerland, Netherland

Chp- 1 India- Size and location

For locating and labeling: Tropic of Cancer, Standard Meridian of India, Northern most point of India, Southern most point of India, Southern most point of mainland of India, Eastern most meridian of India, Western most Meridian of India.

Chp- 2 Physical features of India

For locating & labeling:

(i) Mt. peaks: K2, Kanchenjunga, Nanda Devi, Anai Mudi and Nanga Parbat

(ii) Passes: Bomdi- La and Shipkila.

(iii) Hills: Garo, Khasi, Jaintia, Naga Hills, Mizo Hills and Nilgiri

For identification:

(i) Mountain ranges: The Karakoram, Zaskar, Shivaliks, Aravali, Vindhya, Satpura, Western Ghats and Eastern Ghats.

(ii) Plateaus: Deccan plateau, Chotanagpur Plateau and Malwa plateau.

(iii) Coastal strips: Coromandel, Northern Circar, Malabar and Konkan.

Chp- 3 Drainage

For locating & labeling:

(i) Lakes: Chilika, Pulicat, Kolleru, Vembanad and Sambhar.

For Identification:

(i) Rivers: Indus, Ganga, Brahmaputra, Satluj, Narmada, Tapi, Mahanadi, Godavari, Krishna and Kaveri.

Term - II (OCTOBER- FEBRUARY)

History	Geography
<p>Chp- 4 Forest Society and Colonialism</p> <p>Chhattisgarh, Dehradun, Assam, Andhra Pradesh, Gujarat, Chennai, Bastar,, Maharashtra, Jharkhand, Odisha and River Indravati.</p>	<p>Chp- 4 Climate</p> <p>Meteorological stations</p> <p>For location & labeling: Thiruvananthapuram, Chennai, Jodhpur, Jaipur, Bangalore, Mumbai, Kolkata, Leh, Shillong, Delhi, Nagpur.</p> <p>Chp-5 Natural vegetation and wild life</p> <p>For locating & labeling:</p> <p>(i) National parks: Corbett, Kaziranga, Ranthambhor, Dachigam, Rajaji, Shivpuri, Kanha, Simlipal, Keoladeo Guindy, Bandipur.</p> <p>(ii) Wild life sanctuaries: Sariska, Mudumalai, Periyar, Chandaka.</p> <p>(iii)For identification: Forest Zones: Tropical Evergreen Forests, Tropical Thorn Forests, Mangrove Forests, Tropical Deciduous Forests, Montane Forests</p> <p>Chp-6 Population</p> <p>State with highest and lowest sex ratio,</p> <p>The most populous and sparsely populated state.</p> <p>States with highest and lowest density of population</p>