

**NEW ERA PUBLIC SCHOOL, DWARKA****SYLLABUS 2018-19****CLASS : X****SUBJECT: ENGLISH**

<b>TERM I</b>				
<b>MONTH &amp; WORKING DAYS</b>	<b>UNIT/ CHAPTER/ SUB TOPICS</b>	<b>GRAMMAR</b>	<b>WRITING SKILLS</b>	<b>ACTIVITIES</b>
MARCH (10)	Two Gentlemen of Verona Frog and the Nightingale MCB Unit 1: Health & Medicine	Verb Forms	Notice Writing	Group Discussion Debate
APRIL (20)	Mrs. Packletide's Tiger Mirror MCB Unit 1: Health & Medicine	Determiners	Letter Writing	Extempore
MAY (17)	The Letter Not Marble nor the Gilded Monuments MCB Unit 2: Education	Subject-Verb Agreement Connectors	Story Writing	Story Relay
JUNE (2)		Non-finites	Article Writing	
JULY (21)	The Dear Departed Ozymandias MCB Unit 3: Science	Active and Passive Modals	Speech	Role Play
AUGUST (21)	A Shady Plot Rime of the Ancient Mariner MCB Unit 4: Environment	Integrated Grammar Practice	Debate	PPT Presentation
SEPTEMBER (9)	Revision			
<b>TERM II</b>				
<b>MONTH &amp; WORKING DAYS</b>	<b>UNIT/ CHAPTER/ SUB TOPICS</b>	<b>GRAMMAR</b>	<b>WRITING SKILLS</b>	<b>ACTIVITIES</b>
OCTOBER (19)	Julius Caesar Snake	Prepositions	Report Writing	Role Play
NOVEMBER (15)	Revision	Reported Speech Integrated Grammar Practice	Email	

**न्यू इरा पब्लिक स्कूल, द्वारका**  
**हिन्दी पाठ्यक्रम ( 2018-2019 )**  
**कक्षा दसवीं ( विषय हिन्दी )**

माह	गद्य - स्पर्श	पद्य - स्पर्श	संचयन	व्याकरण
अप्रैल-मई	बड़े भाई साहब डायरी का एक पन्ना	साखी पद		शब्द और पद विस्तृत ज्ञान, मिश्रित व संयुक्त वाक्य संरचना व रूपांतरण, अनुच्छेद, पत्र लेखन, विज्ञापन लेखन, मुहावरे, रचना के आधार पर वाक्य भेद
जून-जुलाई	ततारा वामीरो कथा तीसरी कसम के शिल्पकार शैलेन्द्र	पर्वत प्रदेश में पावस	हरिहर काका	पत्र लेखन, अशुद्ध वाक्यों को शुद्ध करना, विज्ञापन लेखन, समास अज्यास, सूचना लेखन, अनुच्छेद लेखन, अपठित पद्यांश
अगस्त	अब कहां दूसरों के दुख से दुखी होने वाले	-मनुष्यता -कर चले हम फिदा		संवाद लेखन, पत्र लेखन, मुहावरे, समास अज्यास, विज्ञापन लेखन, सूचना लेखन
सितम्बर	गिरगिट	दोहे	सपनों के से दिन	समास, लोकोक्तियाँ, अनुच्छेद, पत्र लेखन, अपठित गद्यांश, वाक्य
अक्टूबर	कारतूस	मधुर-मधुर मेरे दीपक जल आत्मत्राण तोप	टोपी शुक्ला	अपठित पद्यांश, अनुच्छेद, पत्र लेखन, मुहावरे व लोकोक्तियाँ, विज्ञापन लेखन, संवाद लेखन
नवम्बर	पतझर में टूटी पत्तियाँ कारतूस	पुनरावृत्ति		पत्र लेखन, विज्ञापन लेखन, अपठित गद्यांश, सूचना लेखन
जनवरी	पुनरावृत्ति	पुनरावृत्ति		पुनरावृत्ति

## SUBJECT: MATHEMATICS

TERM I		
MONTH & WORKING DAYS	UNIT/ CHAPTER/ SUB TOPICS	ACTIVITIES
MARCH  (10)	<ul style="list-style-type: none"> <li>• CH – 1 REAL NUMBERS</li> </ul> <p>Euclid’s division lemma, fundamental theorem of arithmetic, proofs of irrationality, decimal representations of rational numbers.</p>	
APRIL  (20)	<ul style="list-style-type: none"> <li>• CH – 2 POLYNOMIALS</li> </ul> <p>Zeros of a polynomial, relationship between zeros and coefficients, division algorithm for polyomials</p> <ul style="list-style-type: none"> <li>• CH – 3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES</li> </ul> <p>Consistency, inconsistency, graphical method, substitution method, elimination method, cross multiplication method</p>	<ul style="list-style-type: none"> <li>• Graphical representation of pair of linear equations.</li> </ul>
MAY  (17)	<ul style="list-style-type: none"> <li>• CH – 4 QUADRATIC EQUATIONS</li> </ul> <p>Standard form, solutions of quadratic equations by factorization, completing the square method, quadratic formula and nature of roots.</p> <ul style="list-style-type: none"> <li>• CH – 5 ARITHMETIC PROGRESSIONS</li> </ul> <p>Formula for nth term, sum of n terms and their applications.</p> <ul style="list-style-type: none"> <li>• CH – 6 COORDINATE GEOMETRY</li> </ul> <p>Distance formula, section formula, area of triangle.</p>	<ul style="list-style-type: none"> <li>• To check whether the given sequences are arithmetic progressions or not.</li> <li>• To verify that the sum of first n natural numbers is <math>n(n + 1) / 2</math></li> </ul>
JUNE  (2)	<ul style="list-style-type: none"> <li>• CH – 6 COORDINATE GEOMETRY (Contd.)</li> </ul> <p>Area of triangle.</p>	<ul style="list-style-type: none"> <li>• To draw the mirror image of a triangle about the x axis and find its area using the coordinates of the vertices.</li> </ul>

JULY (21)	<ul style="list-style-type: none"> <li>• CH – 7 TRIANGLES</li> </ul> <p>BPT and converse, Pythagoras theorem and converse, area – ratio theorem and their applications.</p> <ul style="list-style-type: none"> <li>• CH – 8 INTRODUCTION TO TRIGONOMETRY</li> </ul> <p>Introduction, identities</p>	<ul style="list-style-type: none"> <li>• To verify the BPT.</li> <li>• To verify the Pythagoras theorem.</li> </ul>
AUGUST (21)	<ul style="list-style-type: none"> <li>• CH – 9 HEIGHTS AND DISTANCES</li> </ul> <p>Applications of trigonometry, angle of elevation and depression.</p> <ul style="list-style-type: none"> <li>• CH – 11 CONSTRUCTIONS</li> </ul> <p>Division of a line segment into given ratio, tangents to a circle, construction of similar triangles</p> <ul style="list-style-type: none"> <li>• CH – 14 STATISTICS</li> </ul> <p>Mean, median and mode of grouped data and ogive.</p>	<ul style="list-style-type: none"> <li>• To verify that the radius of a circle joining the point of contact of a tangent to the centre will be perpendicular to the tangent.</li> </ul>
SEPTEMBER (9)	<ul style="list-style-type: none"> <li>• CH – 15 PROBABILITY</li> </ul> <p>Simple problems on single events.</p> <ul style="list-style-type: none"> <li>• CH – 10 CIRCLES</li> </ul> <p>Theorems</p>	<ul style="list-style-type: none"> <li>• To verify that the tangents to a circle, drawn from the same external point are equally inclined to the line joining the point to the centre of the circle.</li> </ul>
<b>TERM II</b>		
<b>MONTH &amp; WORKING DAYS</b>	<b>UNIT/ CHAPTER/ SUB TOPICS</b>	<b>ACTIVITIES</b>
OCTOBER (19)	<ul style="list-style-type: none"> <li>• CH – 12 AREAS RELATED TO CIRCLES</li> </ul> <p>Area of sector, area of segment, area of plane figures involving triangles and quadrilaterals.</p> <ul style="list-style-type: none"> <li>• CH – 13 SURFACE AREAS AND</li> </ul>	<ul style="list-style-type: none"> <li>• To derive the area of a sector using origami sheets.</li> <li>• To derive the TSA of a cylinder.</li> </ul>

	<b>VOLUMES</b> Problems involving the combination of not more than two different solids, frustum of a cone.	
NOVEMBER (15)	Revision Pre board I	
DECEMBER (18)	Revision Pre board II	
JANUARY (18)	Pre board II	
FEBRUARY (20)	Revision & Practicals	

### SUBJECT: SCIENCE

<b>TERM I</b>				
<b>MONTH &amp; WORKING DAYS</b>	<b>UNIT/ CHAPTER/ SUB TOPICS</b>	<b>ACTIVITIES</b>	<b>PRACTICALS</b>	<b>CORE LEARNING</b>
MARCH (10) APRIL (20)	Chemical reactions  Writing & balancing equations, implications of a balanced chemical equation, types of chemical reactions like combination, decomposition, displacement, double displacement, neutralization, oxidation - reduction. Corrosion, rancidity.  Nutrition ( life processes)  Basic concept of autotrophic, heterotrophic nutrition, saprophytic	Act.1.1, 1.2, 1.3,1.4, 1.5, 1.8 &1.9 related to different types of reactions.  To different modes of nutrition.	1) To perform & observe different types of reaction  2) To prepare a temporary mount of a leaf peel to show stomata.	Balancing a chemical equation,  Types of chemical reactions.  Different types of nutrition,

	<p>and parasitic nutrition, photosynthesis in plants, nutrition in amoeba and man.</p> <p>Light</p> <p>Laws of reflection, images formed by convex concave mirrors, mirror formula, magnification. Laws of refraction, refractive index images formed by convex and concave lens, their applications, lens formula, magnification.</p>		<p>3) To trace the path of light through a glass slab</p> <p>4) To trace the path of light thro' prism</p>	<p>Nutrition in humans.</p> <p>Laws of reflection,</p> <p>Laws of refraction</p> <p>Uses of convex and concave mirrors</p>
<p>MAY (17)</p>	<p>Acid, bases &amp; salts</p> <p>Definition of acids and bases in terms of furnishing of <math>H^+</math> and <math>OH^-</math> ions. Chemical properties of acids &amp; bases, their reactions with metals, carbonates, oxides. Concept and importance of pH, salts.</p> <p>Respiration ( life processes) Aerobic &amp; anaerobic respiration, respiratory pathways, respiration in man.</p> <p>Transportation</p> <p>Transportation in human beings, blood circulation, working of heart, transport of water &amp; food in plants.</p> <p>Human eye</p> <p>Structure of eye, defects of vision, its correction, dispersion of light, scattering of light, refraction thro' prism , applications in daily Life.</p>	<p>To test acids &amp; bases with indicators</p> <p>To show human respiratory system</p> <p>To show human excretory system</p> <p>To show the model of human</p>	<p>5) To find the pH of HCl, NaOH, <math>CH_3COOH</math>, Water &amp; <math>Na_2CO_3</math> sol.</p> <p>6) To show that <math>CO_2</math> is given out during respiration.</p> <p>7) To determine the focal length of concave mirror,</p>	<p>Acids and bases in terms of <math>H^+</math> and <math>OH^-</math> ions,</p> <p>Concept and importance of pH</p> <p>Respiration in humans</p> <p>Working of human heart, transport of food &amp; water in plants.</p> <p>Structure of eye, defects of vision</p> <p>And their correction.</p>

		Eye.	Convex lens	
JUNE(2) JULY (21)	<p>Metals &amp; non-metals</p> <p>Properties of metals &amp; non-metals, reactivity series, formation &amp; properties of ionic compounds, basic metallurgical processes, corrosion &amp; its prevention .</p> <p>Electricity</p> <p>Electric current, P.D. circuit, Ohm's law, Resistance, factors on which resistance of a conductor depends, resistances in series &amp; parallel, heating effect of current, electric power.</p> <p>Excretion</p> <p>Excretion in humans, formation of urine, removal of wastes in plants .</p> <p>Control &amp; coordination</p> <p>Human nervous system, human brain, reflex action, plant hormones, animal hormones. Tropic and Nastic movements in plants</p>	<p>To show metals like Fe, Al, Mg ,Cu, Zn and non-metals like S, C etc</p> <p>To make an electric circuit.</p> <p>To identify endocrine glands in the fig.</p>	<p>8) To study the properties of acids and bases &amp; their reactions.</p> <p>9) Verifying Ohm's law.</p> <p>10) to study binary fission in amoeba &amp; budding in yeast</p>	<p>Properties of metals and non-metals, basic metallurgical processes</p> <p>Ohm's law</p> <p>heating effect of electric current</p> <p>Formation of urine</p> <p>Human nervous system</p> <p>Reflex action</p>
AUGUST (21)	<p>Periodic classification of elements</p> <p>Mendeleev's periodic table, modern periodic table, gradation in properties, valency, atomic no. metallic &amp; non metallic properties</p> <p>Carbon &amp; its compounds</p> <p>Covalent bonds, versatile nature of carbon, homologous series, nomenclature</p> <p>Reproduction</p>	<p>Write EC of 2<sup>nd</sup> group elements</p> <p>To show lewis dot structures for covalent bonds.</p> <p>Growing mould</p>	<p>11) To observe the action of Zn, Fe, Cu &amp; Al on their salt sol. &amp; make their reactivity series.</p> <p>12) to identify the different parts of</p>	<p>Modern periodic table, trends in properties of elements</p> <p>Covalent bonds, properties of ethanol ethanoic acid</p> <p>Sexual reproduction</p>

	<p>Asexual &amp; sexual reproduction in plants &amp; animals. Sexual reproduction in humans, reproductive health, family planning, AIDS, child bearing &amp; women's health.</p> <p>Magnetic effect of current</p> <p>Magnetic field lines, field due to a current carrying conductor and solenoid, force on current carrying conductor, Fleming's left and right hand rule, induced current,</p> <p>Electromagnetic induction, domestic circuits, electric fuse, A.C. D.C</p>	<p>on bread.</p> <p>To show solenoid as an electromagnet</p> <p>To show electromagnetic induction</p>	<p>embryo of dicot seed</p> <p>13) To determine equivalent resistance in series.</p> <p>14) Determining equivalent resistance in parallel.</p>	<p>in humans, reproductive health</p> <p>Magnetic field due to current carrying conductor &amp; a solenoid, Fleming's Rules</p>
SEPTEMBER (9)	Revision 1 <sup>st</sup> term			

## TERM II

<b>MONTH &amp; WORKING DAYS</b>	<b>UNIT/ CHAPTER/ SUB TOPICS</b>	<b>ACTIVITIES</b>	<b>PRACTICALS</b>	<b>CORE LEARNING</b>
OCTOBER (19)	<p>Carbon &amp; its compounds continue: chemical properties, ethanol, ethanoic acid, soaps &amp; detergents.</p> <p>Management of natural resources</p> <p>Sustainable development, forest, wildlife, people's participation for conservation, big dams, water harvesting, conservation and judicious use of natural resources</p> <p>Our environment</p> <p>Components of ecosystems, food chain, food web,</p>	<p>To make a list of forest produce that you use.</p> <p>To make food</p>	<p>15) To study the properties of acetic acid</p> <p>16) To study the cleansing capacity of soap in hard and soft water.</p>	<p>Soaps &amp; detergents</p> <p>Sustainable management, Methods of rain water harvesting.</p> <p>Food chain &amp; food web, bio magnification</p>



	<p>biomagnifications, ozone depletion,</p> <p>Biodegradable and non-biodegradable substances and garbage management</p> <p>Heredity &amp; Evolution</p> <p>Heredity, variation, Mendel's experiments and laws of inheritance, basic concepts of evolution, speciation, sex determination, human evolution.</p> <p>Sources of energy</p> <p>Renewable and non-renewable forms of energy. Conventional &amp; non conventional sources of energy, fossil fuels, solar, biogas, wind, tidal &amp; nuclear energy.</p>	<p>chains of grassland forest &amp; pond</p> <p>To make Punnet Squares for monohybrid &amp; dihybrid crosses.</p>	<p>17) To draw ray diagrams for objects at various positions</p>	<p>ozone depletion.</p> <p>Mendel's experiments and laws of inheritance</p> <p>sex determination in humans</p> <p>Non conventional sources of energy</p>
NOVEMBER (15)	Revision			

### SUBJECT : SOCIAL SCIENCE

Months	History	Geography	Political Science	Economics
March	Chp.5 Work, Life and Leisure (10pds)			
April		Chp.1 Resources and Development (6pds)	Chp.1 Power Sharing(6pds)	Chp.1 The story of Development(5pds) Chp.2 The role of Service Sector(4pds)
May + June	Chp.8 History of Novels(10pd)	Chp.3 Water Resources(5pds) ) Chp.4	Chp.2 Federalism(6pds)	

		Agriculture(5pds)		
July		Chp.5 Mineral Resources(6pds) Chp.6 Manufacturing Industries(6pds)	Chp.3 Democracy and Diversity(5pds) Chp.4 Gender, Religion and Caste(5pds)	Ch.3 Money and Credit (4pds.)
August		Chp.7 Lifelines of the Indian Economy(5pds)	Chp.6 Political parties(6pds) Chp.7 Outcomes of Democracy(2pds)	Chp.4 Globalization(5pds) Chp.5 Consumer Awareness(5pds)
September	Chp.2 Nationalism in Indo China (8pds)		Chp.8 Challenges to Democracy(2pds)	
October	Chp.3 Nationalism in India(12pds)			
November		Revision for pre board I		
December		Revision for pre board II		
January		Pre board II		
February		Revision		

