

# VIVEKANAND PUBLIC SCHOOL

Class-X

Curriculum Planner for 2023-24

Subject- English

Topic	No. of Periods	Learning Outcomes
<ul style="list-style-type: none"><li>Unseen Passage</li></ul>	2	The learners: <ul style="list-style-type: none"><li>think actively about what is happening in a text while reading it, in order to generate questions.</li><li>answer their own and their peer questions by connecting ideas, using background knowledge.</li></ul>
<ul style="list-style-type: none"><li>Formal Letters</li><li>Letter To The Editor</li><li>Complaint Letters</li><li>Inquiry Letters</li><li>Placing Orders and Non -Compliance Letters</li><li>Email Writing</li></ul>	5	The learners: <ul style="list-style-type: none"><li>describe the difference between formal and informal writing</li><li>learn a correct content structure for a Formal Letter</li></ul>
<ul style="list-style-type: none"><li>Tenses</li></ul>	3	The learners: <ul style="list-style-type: none"><li>Identify the verbs and tenses in sentence Understand that verbs change form depending on their relationship to time</li></ul>
<ul style="list-style-type: none"><li>Modals</li></ul>	2	The learners: <ul style="list-style-type: none"><li>differentiate between the modals used for possibility, obligation and necessity by identifying these types of modals in the language around them</li></ul>
<ul style="list-style-type: none"><li>Lesson: A Letter To God</li></ul>	3	The learners: <ul style="list-style-type: none"><li>reads stories and literary texts - both fiction and nonfiction with understanding for pleasure and enjoyment in order to demonstrate ability to discuss about these with comprehension and reasoning skills</li></ul>
<ul style="list-style-type: none"><li>Poem: Dust Of Snow</li></ul>	2	The learners: Identifies and appreciates significant literary elements such as figurative language – metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc. in order to demonstrate understanding of their significance in literature and narratives.
<ul style="list-style-type: none"><li>Poem: Fire And Ice</li></ul>	2	The learners: <ul style="list-style-type: none"><li>identifies and appreciates significant literary elements such as figurative language – metaphor, imagery, symbol, simile, intention / point of view, rhyme etc. in order to demonstrate understanding of their significance in literature and narratives.</li></ul>
<ul style="list-style-type: none"><li>Lesson: Nelson Mandela</li></ul>	3	The learners: <ul style="list-style-type: none"><li>collect evidences and discusses in groups for reading autobiographies, history and science based literary texts in order to demonstrate comprehension and critical thinking skills.</li></ul>

<ul style="list-style-type: none"> <li>Lesson: Two Stories About Flying</li> </ul>	4	<p>The learners:</p> <ul style="list-style-type: none"> <li>read stories and literary texts - both fiction and nonfiction with understanding for pleasure and enjoyment in order to demonstrate ability to discuss about these with comprehension and reasoning skills</li> </ul>
<ul style="list-style-type: none"> <li>Determiners</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>know that a determiner appears before a noun to help us identify which person or thing the sentence is about</li> </ul>
<ul style="list-style-type: none"> <li>Reported Speech</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>recognize the difference between direct and indirect speech</li> </ul>
<ul style="list-style-type: none"> <li>Subject Verb Concord</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>Identify the singular and plural subjects and verbs in sentences</li> </ul>
<ul style="list-style-type: none"> <li>Poem: A Tiger In The Zoo</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>appreciate nuances and shades of literary meanings, talks about literary devices.</li> <li>understand the importance of freedom</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: From The Diary Of Anne Frank</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>read aloud with appropriate pronunciation and pause.</li> <li>Identify relationships between characters and conflicts between them</li> </ul>
<ul style="list-style-type: none"> <li>Poem: The Ball Poem</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>identify the connection to words or phrases that resonate with other things.</li> <li>learn and accept loss of something they love</li> </ul>
<ul style="list-style-type: none"> <li>Poem: How To Tell Wild Animals</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>Identify some wild animals with their peculiarities</li> <li>enjoy and appreciate humorous poems</li> <li>form imagery</li> <li>admire bounty of nature</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Glimpses Of India</li> </ul>	5	<p>The learners:</p> <ul style="list-style-type: none"> <li>read aloud with appropriate pronunciation and pause.</li> <li>understand pen – portrait of a traditional Goan village baker</li> <li>know how popular tea has become as a beverage in the world.</li> <li>enhance their knowledge about the geography of Coorg</li> </ul>
<ul style="list-style-type: none"> <li>Poem: Amanda</li> </ul>	2	<p>The learners:</p> <ul style="list-style-type: none"> <li>understand the ardent desire of every child to enjoy the beauty of the dreamy world of childhood.</li> <li>depict the state of a little girl's mind.</li> <li>learn the use of imperatives</li> <li>be specific in reflection, expression and individual opinion and deeper understanding of Amanda</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Hundred Dresses</li> </ul>	4	<p>The learners:</p> <ul style="list-style-type: none"> <li>develop respect towards their classmates discourage from passing derogatory comments about their friends.</li> </ul>
<ul style="list-style-type: none"> <li>Poem: Animals</li> </ul>		<p>The learners:</p> <ul style="list-style-type: none"> <li>learn that parents should not restrict their children's freedom to such an extent that they feel suffocated</li> <li>stresses the fact that animals are better than human beings as their love for humans is genuine</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: A Triumph Of Surgery</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>reads aloud with appropriate pronunciation and pause.</li> <li>understand that dog is the most faithful pet</li> <li>gain knowledge of different kinds of pet animals</li> <li>read and relate text to their real life situation.</li> <li>analyse the misuse of money by rich people</li> </ul>

		<ul style="list-style-type: none"> <li>Infers the meaning of unfamiliar words by reading them in context.</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Thief's Story</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>read aloud with appropriate pronunciation and pause.</li> <li>develop understanding about the importance of Education in one's life</li> <li>listen to and discuss literary inputs in varied contexts to infer, interpret and appreciate</li> <li>organize, plan and present ideas coherently</li> <li>infer the meaning of unfamiliar words by reading them in context</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Midnight Visitor</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>read aloud with appropriate pronunciation and pause.</li> <li>Infer the meaning of unfamiliar words by reading them in context.</li> <li>understand that looks are deceptive</li> <li>understand the importance of presence of mind and intelligence</li> <li>know more about the author, detective stories and related information about secret agents</li> <li>make character analyses of Ausable, Max and Fowler</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: A Question Of Trust</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>read aloud with appropriate pronunciation and pause.</li> <li>infer the meaning of unfamiliar words by reading them in context.</li> <li>explain why trust is important in our lives</li> <li>describe differing types of trust relationships.</li> <li>realise that we should not harm anyone for our own benefits.</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Footprints without feet</li> </ul>	3	<p>The learners</p> <ul style="list-style-type: none"> <li>develop attitude towards language</li> <li>discriminate the good from the evil</li> </ul>

Topic	No. of Periods	Learning Outcomes
<ul style="list-style-type: none"> <li>Analytical Paragraph</li> </ul>	4	<p>The learners:</p> <ul style="list-style-type: none"> <li>identify the essential elements of a paragraph</li> <li>compose an effective paragraph</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Madam Rides The Bus</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>understand the feelings of an individual</li> <li>think about an alternative ending to the story</li> <li>use new words and phrases in expression.</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Mijbil The Otter</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>understand that we should take care of our pets and be responsible towards them</li> <li>learn to be responsible towards other life forms</li> </ul>
<ul style="list-style-type: none"> <li>Poem: The Tree</li> </ul>	2	<p>The learners:</p> <p>understand that God's creation is a composite phenomenon trees, forests, animals and other agencies of nature are interlinked.</p>
<ul style="list-style-type: none"> <li>Poem: Fog</li> </ul>	2	<p>The learners:</p>

		<ul style="list-style-type: none"> <li>understand the powerful nature and worth of natural occurrences</li> <li>understand change is unavoidable</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Making Of A Scientist</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>appreciate nature and have inclination towards beginning with small discoveries and inculcate the habits thereof</li> <li>understand the biography element of Richard Ebright and his journey to become a scientist</li> <li>understand that learners can get knowledge of various stage, species and growth of butterflies</li> <li>comprehend the lesson, enhance their vocabulary, and communicate their ideas</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Footprints Without Feet</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>understand that science is a boon for humanity and is a good servant if correctly used</li> <li>understand elements of horror, suspense, conflict in the lesson <ul style="list-style-type: none"> <li>discriminate the good from the evil</li> <li>develop moral values</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Sermon At Benaras</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>have spiritual outlook</li> <li>learn the fact that death is the ultimate truth in the world</li> </ul>
<ul style="list-style-type: none"> <li>Poem: The Tale Of Custard Dragon</li> </ul>	3	<p>The Learners:</p> <ul style="list-style-type: none"> <li>understand that everyone has his own capabilities and should never be judged on the basis of his appearance</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Proposal</li> </ul>	4	<p>The Learners:</p> <ul style="list-style-type: none"> <li>understand how families with immense wealth want to enhance their earthly possessions through marriage further</li> </ul>
<ul style="list-style-type: none"> <li>Poem: For Anne Gregory</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>Infer the meaning of unfamiliar words and phrases</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Necklace</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>understand that we should not live a materialistic life as it can make our life's filled with sorrow and grief</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: Bholi</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>learn that proper support and emotional security can lead to a child's development</li> </ul>
<ul style="list-style-type: none"> <li>Lesson: The Book That Saved The Earth</li> </ul>	3	<p>The learners:</p> <ul style="list-style-type: none"> <li>introduce the concepts of Aliens, Martians</li> </ul>

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Class-X

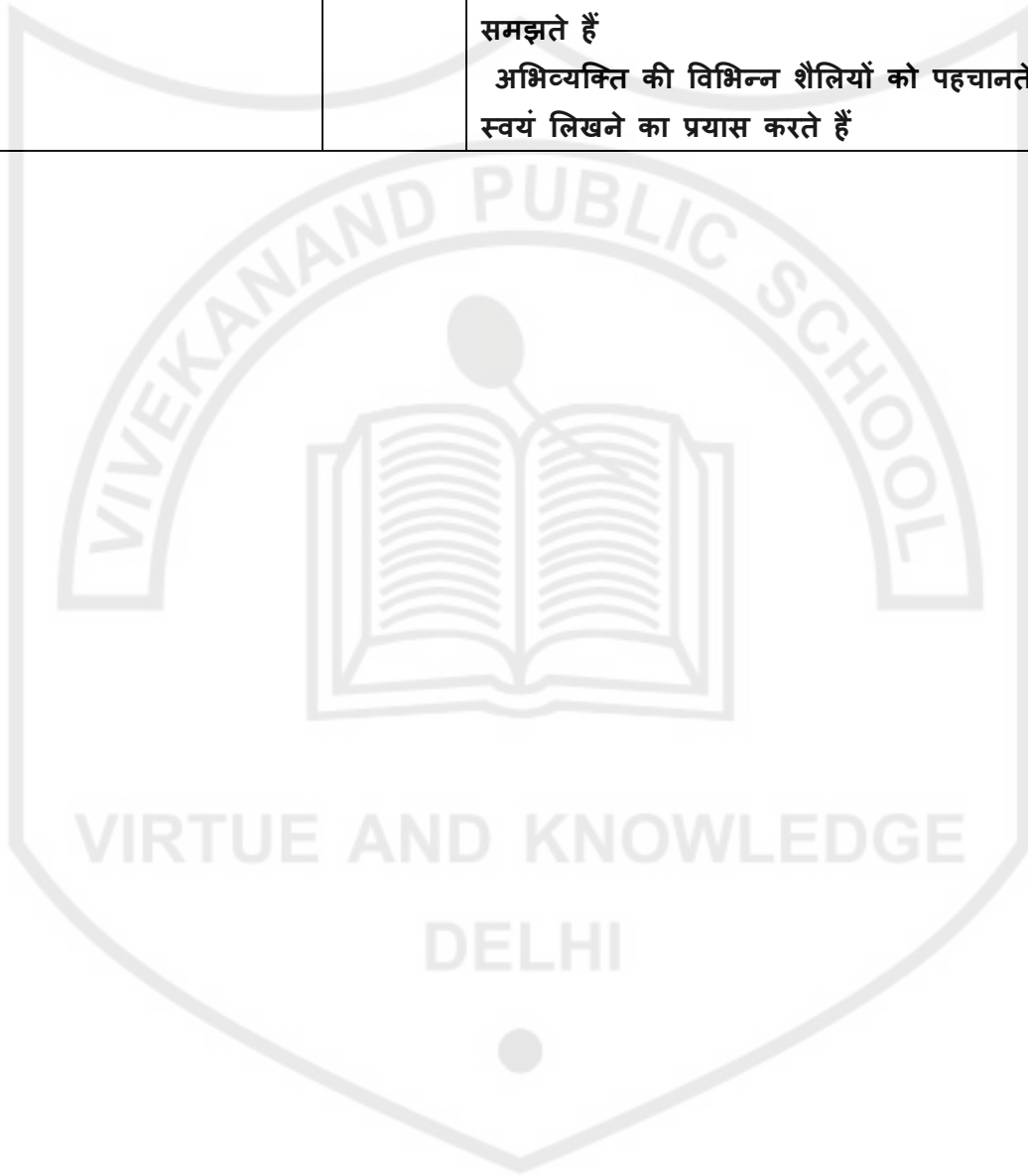
Curriculum Planner for 2023-24

Subject- Hindi

LESSON/TOPIC	NO. OF PERIODS	LEARNING OUTCOMES
पाठ बड़े भाई साहब	24	सामाजिक जिम्मेदारी एकता और देशप्रेम की भावना को समझते हैं पाठ पढ़कर लेखन के विभिन्न तरीकों और शैलियों को पहचानते हैं जे से वर्णनात्मक विवरणात्मक भावनात्मक आदि
पाठ ततार्रा वामीरो कथा	10	सामाजिक परंपराओं के बारे में जानते हैं समाज में फैली हुई रूढ़ियों अपने परिवेशगत अनुभवों पर अपने स्वतंत्र विचार व्यक्त करते हैं
पाठ अब कहाँ दूसरों के दुख से दुखी होने वाले	12	विद्यार्थी मनुष्यमात्र के स्वभाव एवं व्यवहार की विषय में अध्ययन करते हैं संवेदनशीलता परिश्रम और विश्वास जैसे गुणों का विकास होता है
पाठ कबीर के दोहे	12	विद्यार्थियों को प्राचीन साहित्य की जानकारी प्राप्त होती है एवं संतों की वाणी को आत्मसात करते हैं
पाठ मीरा के पद	12	विद्यार्थियों में ईश्वर भक्ति की भावना जागृत होती है एवं भक्ति कालीन मिश्रित भाषा का ज्ञान प्राप्त होता है
पदबंध	8	छात्रों में रचना शक्ति का विकास होता है
रचना के आधार पर वाक्य रूपांतरण	8	व्याकरणिक भाषा को ध्यान में रखते हुए अपनी भाषा का विकास करते हैं और उसका प्रयोग अपने लेखन में करते हैं
समास व उसके भेद	10	छात्र छात्राओं में हिंदी व्याकरण के प्रति अभिरुचि उत्पन्न होती है एवं वे नवीन शब्दों का निर्माण करना सीखते हैं
मुहावरे	4	छात्रों में हिंदी के प्रति रुचि उत्पन्न होगी चिंतन एवं कल्पनाशक्ति का निर्माण होता है
अपठित गद्यांश	4	पढ़ी गई सामग्री पर चिंतन करते हुए बेहतर समझ के लिए प्रश्नों के उत्तर पूछते वे लिखते हैं
पाठ ज्ञेन की देन	12	विद्यार्थी

		भौतिक सुख सुविधाओं की ओर बढ़ते आकर्षण की अपेक्षा मानसिक शांति की आवश्यकता से परिचित होते हैं।
पाठ कारतूस	12	बहादुर वजीर अली के साहसिक कारनामों से परिचित होते हुए विद्यार्थियों में देश प्रेम की भावना व सच्ची वीरता जागृत होती है
पाठ मनुष्यता	12	छात्रों में मानवतावादी दृष्टिकोण भक्ति भावना त्याग मय प्रेम देशप्रेम की भावना मानवीय जीवन मूल्यों के विकास के साथ साथ लोकमंगल की भावना भी जागृत होती है।
पाठ पर्वत प्रदेश में पावस	8	विद्यार्थी वर्षा ऋतु में पर्वत प्रदेश के सौंदर्य का अनुभव करते हैं अपने अनुभवों को स्वतंत्र ढंग से स्वयं की भाषा लिखते एवं समझते हैं
पाठ कर चलें हम फिदा	10	विद्यार्थी समाज के प्रति अपने कर्तव्यों को जानते हैं रचना को पढ़कर उसके सामाजिक मूल्यों पर चर्चा करते हैं और उसके कारण जानने की कोशिश करते हैं
पाठ हरिहर काका	25	विद्यार्थी समझ कि समाज के प्रति उनके कर्तव्य क्या है सामाजिक और मानवीय मूल्यों पर चर्चा करते हैं और उसके कारण जानने की कोशिश करते हैं
पाठ सपनों के से दिन	12	विद्यार्थी ग्रामीण बच्चों की मानसिक दशा से अवगत होते हैं अपने आसपास और स्कूली साथियों की जरूरतों को अपनी भाषा में अभिव्यक्त करते हैं
पाठ टोपी शुक्ला	12	विद्यार्थी समझ सकें की मित्रता ऊँच नीच छोटा बड़ा अमीर गरीब के फर्क को नहीं मानती अपने परिवेशगत अनुभवों पर अपनी स्वतंत्र और स्पष्ट राय मौखिक एवं लिखित रूप से व्यक्त करते हैं
अनुच्छेद लेखन	4	अभिव्यक्ति की विभिन्न विविध शैलियों को पहचानते हैं और स्वयं लिखते हैं जैसे अनुच्छेद कहानी निबंध आदि
औपचारिक पत्र	4	छात्रों को औपचारिक पत्र के स्वरूप एवं प्रारूप की समुचित जानकारी प्राप्त होती है दैनिक जीवन में संबंधित किसी घटना या स्थिति पर विभिन्न तरीके से सृजनात्मक ढंग से पत्र लिखते हैं

सूचना लेखन	4	शासनिक व्यवसायिक एवं सरकारी अधिकारियों द्वारा लिखे जाने वाले सूचना के विभिन्न अंगों मुख्य विषय संबोधन सूचक शब्द आदि को समझते हैं
विज्ञापन लेखन	4	विभिन्न प्रकार की सामग्री समाचार पत्र पत्रिका जानकारीपरक सामग्री इंटरनेट पर छपने वाली विज्ञापन को समझते हैं
लघुकथा लेखन	4	विद्यार्थी विभिन्न प्रकार की कहानियों के स्वरूप को समझते हैं अभिव्यक्ति की विभिन्न शैलियों को पहचानते हैं और स्वयं लिखने का प्रयास करते हैं





# VIVEKANAND PUBLIC SCHOOL

Class-X

Curriculum Planner for 2023-24

Subject- Information Technology

Chapter Name	No of Periods	Learning Outcome
Unit 1: Digital Documentation (Advanced)	24 pds	To develop practical knowledge of digital documentation Create and Apply Styles in the document Insert and use images in document Create and use template Create and customize table of contents Implement Mail Merge
Unit 2: Self-Management Skills-II	10 pds	Demonstrate self- management skills
Unit 3: ICT Skills-II	12 pds	Identify the principal components of a computer system; Demonstrate the basic skills of using computer; Work safely on the computer. Start the computer. Open and use the related software. Exit from the software. Shut down the computer. Use the computer for data entry process
Unit 2: Electronic Spreadsheet (Advanced)	20 pds	Analyse data using scenarios and goal seek. Link data and spreadsheets Share and review a spreadsheet Create and Use Macros in spreadsheet
Unit 4: Entrepreneuria I Skills-II	8 Pds	<b>Demonstrate the ability to provide a self-analysis in context of entrepreneurial skills and abilities;</b>
Unit 5: Green Skills-II	8 pds	<b>Demonstrate the knowledge of the importance of green skills in meeting the challenges of sustainable development and environment protection;</b>
Unit 3: Database Management System	20 pds	To enable the students to understand database management systems and have updated knowledge about digital record keeping. Appreciate the concept of Database Management System Create and edit tables using wizard and SQL commands Perform operations on table Retrieve data using query <b>Create Forms and Reports using wizard</b>
Unit 4: Web Applications and Security	24pds	Working with Accessibility Options. To provide in-depth training in use of data entry, internet and internet tools.  Identify and control hazards in the workplace that pose a danger or threat to their safety or health, or that of others.  Introduction to Instant Messaging Creating and Publishing Web Pages – Blog ... Online Transaction <b>Internet security</b>



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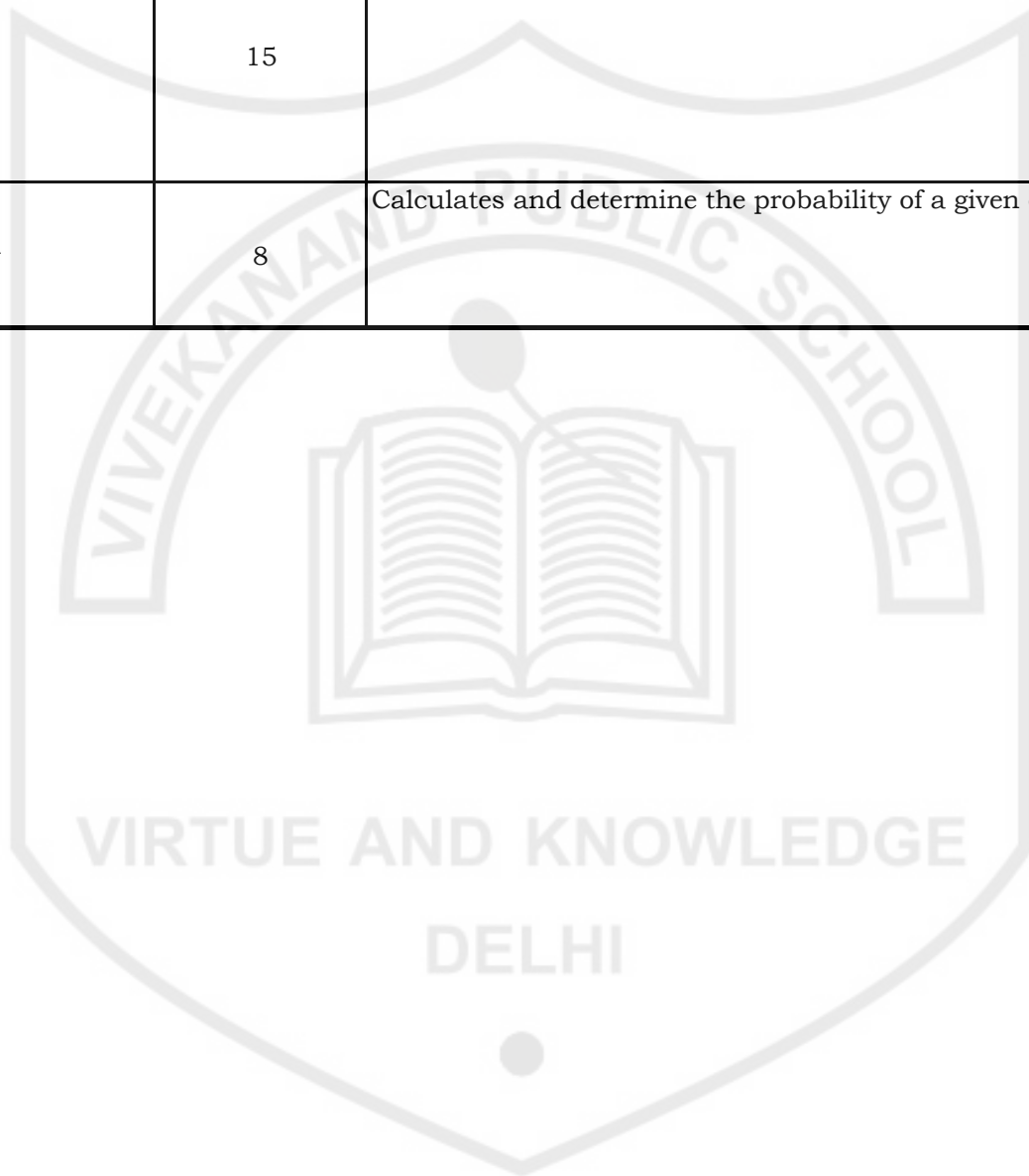
Class-X

## Curriculum Planner for 2023-24

SUBJECT : MATHEMATICS

Chapter Name	No. of Periods Required	Learning Outcome
Real Numbers	12	Generalises fundamental theorem of arithmetic in order to apply it to solve problems related to real life. Understands proof of irrational numbers.
Polynomials	7	Understands meaning of zeroes of a polynomial and establish a relationship between zeros and coefficients of quadratic polynomials.
Pair of Linear equations in two variables	15	Uses graphical and other methods in order to find solutions of pairs of linear equations in two variables.
Quadratic Equations	12	Demonstrates knowledge of application of various strategies and find roots and determine the nature of roots of a given equation.
Arithmetic Progression	10	Develops strategies in order to apply the concept of AP to daily life situations.
Triangles	15	Uses reasoning in order to differentiate between congruent and similar figures. Uses different geometric criteria such as basic proportionality theorem etc. in order to establish properties for similarity of two triangles.
Co-ordinate Geometry	13	Uses concept of coordinate geometry and graph of linear equations in finding the distance between two given points in order to determine co-ordinates of point between any two given points .
Introduction to Trigonometry	15	Determines all trigonometric ratios with respect to a given acute angle (of a right triangle) Understands proof and application of $\sin^2 A + \cos^2 A = 1$
Some Applications of Trigonometry	8	Uses trigonometric ratios in solving problems in daily life contexts like finding heights of different structures or distances for them.
Circles	10	Draw, identify and differentiate between secant and tangent of a circle and prove and apply various theorems related to circles.

<b>Chapter Name</b>	<b>No. of Periods Required</b>	<b>Learning Outcome</b>
Areas related to Circles	10	Understands problems based on area ,circumference/perimeter of plane figures-- sectors,segments of circle.
Surface Areas and Volumes	12	Visualizes objects in surrounding as a combination of any two solids like right circular cylinder / cone, sphere /hemisphere, cuboid/ cubes in order to find their surface areas and volumes.
Statistics	15	Calculates mean, median and mode in order to apply them to real life contexts
Probability	8	Calculates and determine the probability of a given event



# VIVEKANAND PUBLIC SCHOOL

Class-X

Curriculum Planner for 2023-24

Subject- Sanskrit

Chapter Name	No. Of periods	Learning Outcome
पाठ - शुचि पर्यावरणम्	8	छात्र अपने जीवन में इस पाठ के माध्यम से पर्यावरण को जान सकेंगे।
पाठ - बुद्धिर्बलवती सदा	8	इस पाठ के माध्यम से अध्यापक छात्रों को बुद्धि के महत्व को बताएंगे तथा छात्रों द्वारा बुद्धि के महत्व को सीखा जाएगा।
व्याकरणम् - सन्धि कार्यम् - स्वर सन्धि - व्यंजन सन्धि, अव्ययानि, अपठित अवबोधनम् प्रत्ययः (मत्पु, त्व, डीप्)	14	
पाठ - शिशुलालनम्	8	छात्र इस पाठ के माध्यम से नाट्य विधा के स्वरूप को जान पायेंगे। तथा पाठ वर्णित कथा के सार को समझेंगे।
पाठ - जननी तुल्यवत्सला	8	छात्र माता के मातृत्व को समझ पाएंगे।
पाठ - सुभाषितानि	6	छात्र पाठ के माध्यम से पाठ दिए गए नैतिक श्लोकों से अपने जीवन का मूल्यांकन कर सकेंगे तथा अपने जीवन में हमेशा इन नैतिक मूल्यों को अपने आचरण में उतारेंगे।
व्याकरणम्- टाप्, शानच्, तल् प्रत्ययाः, वाच्य परिवर्तनम्, प्रश्न निर्माणम्, पत्र	6	
पाठ -सौहार्दम् प्रकृतेः शोभा	8	छात्र जगत के प्रत्येक जीव का एक दूसरे पर आश्रित होने के नियम से परिचित होंगे तथा प्रकृति रूपी माँ के स्नेह का महत्व प्रकृति की उपयोगिता एवम् एक दूसरे का मान कैसे होना चाहिए इस तरह के विचारों से परिचित हो पाएंगे।
पाठ - विचित्र साक्षी	8	छात्र न्याय की सूक्ष्मता एवं न्यायधीश के महत्व एवं उचित/अनुचित न्याय से मानव जीवन पर पड़ने वाले प्रभाव से परिचित हो सकेंगे।
पाठ - सूक्तयः	10	छात्र मानव जीवन में माता-पिता के त्याग के महत्व को जान पाएंगे, तथा जीवन में उत्तम आचरण को अपनाने की शिक्षा को ग्रहण करेंगे।
व्याकरणम्- विसर्ग सन्धि, तत्पुरुष समास, अशुद्धि संशोधन, भाषिक कार्यम्	8	
पाठ - अन्योक्तयः	8	छात्र अन्योक्तयः पाठ से नीतिगत श्लोकों का पाठ पढ़ते हुए इनके अर्थों के महत्व को जान सकेंगे।
व्याकरणम्- अनुच्छेद लेखनम्, चित्र वर्णनम्, शब्दार्थ, घटना क्रम, श्लोक अन्वयं,,	10	व्याकरण म् विषय में छात्र श्लोक का अन्वय कर दिया।

# VIVEKANAND PUBLIC SCHOOL

Class-X

Curriculum Planner for 2023-24

Subject- Science

Sub Subject	Name of the Lesson	No of Periods	Learning Outcomes
Chemistry	Chapter-1 Chemical and Equations	12	Students will be able - To Understand the chemical reactions in daily life Able to write the chemical equations from statements. Able to balance chemical equations Study different types of chemical reactions like: Combination , Decomposition , Displacement , Double Displacement and Oxidation - Reduction Reactions Define Corrosion and Ransidity and their methods of prevention
	Chapter- 2 Acids , Bases and Salts	14	Learners will be able - To know about indicators. Develop understanding about naturally occurring acids To know about metallic/ non metallic oxides. Develop understanding about pH Able to understand about chemical properties of acids and bases Practical applications of acids bases and salts Understand about important chemicals obtained common salt
	Chapter-3 Metals and Non Metals	15	Learners will be able to - Identify and understand the nature of metals and non metals and metalloids Relate Metals , non metals and metalloids with help of their Physical Properties Understand the chemical nature of metals and non metals by carrying out some chemical reactions Learn Basic processes involved in the extraction of metals from their ores Appreciate the composition and importance of alloys in our day to day life
	Chapter-4 Carbon and its Compounds	16	Students will be able to - To Understand the covalent bond , different types of covalent bond and their formation To know the reasons for Versatile nature of carbon Acquainted with the concept of allotropy and catenation Differentiate between saturated and unsaturated compounds

			Will be able to write the isomers of Butane and Pentane
	Chapter -5 Periodic Classification of elements	<b>14</b>	Learners understand basic concepts of classification of elements and its need Learn various attempts of classifying elements Concept of physical & chemical basis of classification elements. Mendleevs Classification and its periodic table. Concept of Modern Periodic Table and its division various blocks To learn Periodic properties of elements and their trends
Biology	Chapter - 6 Life Processes	<b>18</b>	To Understand - What are different life processes? Structure and functions of different organ systems in organisms
	Chapter -7 Control and Coordination	<b>12</b>	To know about structure and functions of Nervous system in animals. To Understand how organisms Respond. To Understand role of chemicals in growth and coordination of plants and humans
	Chapter -8 How do Organisms Reproduce?	<b>18</b>	To know about modes of reproduction in organisms. To understand the difference between sexual and asexual reproduction. To know about structure and functions of human reproductive system STD's and importance of reproductive health
	Chapter - 9 Heredity and Evolution	<b>12</b>	To Understand about Inherited and Acquired traits To Understand Mendel's work and basis of variations To know about process and importance of evolution in organisms
Physics	Chapter - 10 Light - Reflection and Refraction	<b>20</b>	Understand types of spherical mirrors and the important terms related to them. Comprehend the rules of Reflection by Concave and Convex mirrors Apply rules of Reflection to make images for the various Positions of the object in front of the concave and convex mirror Use the mirror & magnification formulae to calculate image position and size Understand the concept of refraction of light and refractive index of given medium Comprehend the rules of refraction by Concave and convex lenses Apply rules of Refraction to make images for various positions of the object in front of a Concave and convex lens

		<p>Use lens and magnification formulae to calculate the image position and size</p> <p>To Calculate the power of the given lens</p>
Chapter - 11 Human Eye and Colourful world	<b>8</b>	<p>Learners will be able to -</p> <p>Understand the defects of vision Myopia , presbyopia and their correction</p> <p>Understand Refraction of light through a Glass Prism</p> <p>Comprehend the Phenomenon of Dispersion of light</p> <p>Apply the phenomenon of Atmospheric Refraction to the twinkling of stars early sunrise and sunset etc</p> <p>Understand the concept of Scatterin g of light</p> <p>Apply the phenomenon of Scatterin g of light to colour of sky , colour at the time of Sunrise and</p> <p>Draw and explain the phenomenon of rainbow in the atmosphere</p>
Chapter - 12 Electricity	<b>12</b>	<p>Learners will be able to -</p> <p>Define electric current , potential difference , Resistivity and Power</p> <p>Deduce Ohm's law and verify it experimentally</p> <p>Understand meaning of "Series and Parallel" of learn the way of connecting a given number of</p> <p>Reasons for arrangement of devices in parallel in circuits</p> <p>Describe Heating effect of electric current and derive Law of Heating</p> <p>Learn / find expressions for electric Power and derive commercial unit of electrical energy i.e. Kwhr in</p>
Chapter - 13 Magnetic Effects of Electric Current	<b>15</b>	<p>Students will be able to -</p> <p>Understand the concepts of Magnetic field and of magnetic field</p> <p>Able to Draw the magnetic field pattern due to a carrying current</p> <p>Current through a circular loop</p> <p>Current through a Solenoid</p> <p>Able to experiment magnetic effect of electric current to interpret working of electric motor and generator</p> <p>Able to apply magnetic effect of electric current in situations</p>
Chapter - 14 Sources of Energy	<b>9</b>	<p>Learners will be able -</p> <p>To list Characteristics of an ideal source of an energy compare various sources of energy</p> <p>Understand working of Thermal and hydro power</p> <p>They will understand the working of solar cooker , bio plant and wind mills</p> <p>To recognise the need for using non conventional resources</p> <p>Understand the working of energy from oceans , Geo</p>

			Energy and Nuclear Power Plants Will be able to discuss ways of managing energy crisis
Biology	Chapter - 15 Our Environment	<b>7</b>	To Understand what is food chain and energy flow in environment To Understand role of different trophic levels in balance
	Chapter - 16 Management of Natural Resources	<b>6</b>	To Understand importance of Natural Resources in our life To Understand the need and ways to conserve resources To know about Ozone Depletion and its Causes





# VIVEKANAND PUBLIC SCHOOL

Class-X

Curriculum Planner for 2023-24

Subject- Social Science

Sub Subject	Chapter Name	No. of Periods	Learning Outcome
History	Nationalism in India	8	The learner will be able to: *Analyze the nature of diverse social movements of the time *Develop rational thinking, truth and equality among learners. *Get familiarised with the concept of our National identity in Bharat Mata.
	Rise of Nationalism in Europe	8	The learners will be able to: *Learn about the rise of nation state *Factors leading to the growth of collective belongingness *How could the common mass of people contributed to the growth of nationalism and patriotism * Identify and comprehend the forms in which nationalism developed along with the formation of nation states in Europe in the post-1830 period
	The making of a global world	7	The learners will able to * The pre modern world *The nineteenth century (1815-1914) * Rebuilding a world economy
	The age of industrialisation	8	The learner will be able to: *Familiarize with the process of industrialization and its impact on labor class. *Enable them to understand industrialization and its impact on labour class.
	Print culture	7	The learner will be able to: *Identify the link between print culture and the circulation of ideas. * Understand that forms of writing have a specific history. And that they reflect historical changes within society and shape the forces of change.
Geography	Resource and Development	7	The learners will be able to: ·Realize the importance of conservation of resources ·Sensitize measures to check its wastage and preserve for future ·Appreciate respect and accept the diversity of resources ·Believe in conservation of resources
	Forest and wildlife resources	7	The learners will be able to: ·Realise the importance of forests and wildlife ·Sensitise measures to check its usage and

			<p>preserve for future</p> <ul style="list-style-type: none"> <li>· Appreciate respect and accept the diversity of flora and fauna</li> <li>· Believe in conservation of resources</li> </ul>
	Water resources	6	<p>The learners will be able to:</p> <ul style="list-style-type: none"> <li>* Locate the multipurpose dams of India.</li> <li>* Causes of scarcity of water</li> <li>* Advantages and disadvantages of multipurpose dams.</li> </ul>
	Agriculture	6	<p>The learners will be able to:</p> <ul style="list-style-type: none"> <li>· Explain the importance of agriculture in national economy</li> <li>· Identify various types of farming and the farming methods</li> <li>· Various government policies for institutional and technological reforms since independence.</li> </ul>
	Mineral and energy resources	8	<p>The Learners will be able to:</p> <ul style="list-style-type: none"> <li>* State about the mineral resources of the country</li> <li>* Understand the importance of conservation of resources.</li> <li>* Classify the minerals and energy resources.</li> </ul>
	Manufacturing industries	8	<p>The Learners will be able to:</p> <ul style="list-style-type: none"> <li>* The importance of Industries in the National Economy</li> <li>* Understand the regional disparities which resulted in concentration of Industries</li> </ul> <p>Analyse the role of government towards Sustainable Development</p>
	Lifelines of national economy	8	<p>The Learners will be able to:</p> <ul style="list-style-type: none"> <li>* Explain the importance of Transport and Communication in this shrinking world</li> </ul> <p>Understand the role of trade and tourism in the economic development of a country</p>
POLITICAL SCIENCE	Power Sharing	7	<p>The learners will be able to:</p> <ul style="list-style-type: none"> <li>* Explains sharing of power among the Legislature, the Executive and the Judiciary</li> <li>* demonstration-skills by preparing illustrations on sharing of power</li> <li>* To explain the concept of democracy</li> </ul>
	Federalism	7	<p>The Learners will be able to: Recognise the meaning and scope for Federalism</p> <ul style="list-style-type: none"> <li>* Analyse federalism provisions and institutions</li> <li>* Explain decentralisation in rural and urban area</li> </ul>
	Democracy and diversity	7	<p>The learners will be able to:</p> <ul style="list-style-type: none"> <li>* Analyse federal provisions and institutions</li> <li>* Explain decentralisation in rural and urban cases</li> <li>* examine and evaluate events facts, data and figures in order to classify and compare them</li> </ul>
	popular struggles and movements	9	<p>The learners will be able to</p> <ul style="list-style-type: none"> <li>* know popular struggles in Nepal and Bolivia.</li> <li>* Mobilisation and organisation</li> <li>* pressure Groups and movements</li> </ul>
	Gender Religion and Caste	6	<p>The learners will be able to:</p> <ul style="list-style-type: none"> <li>* Identify and analyse the challenges posed by communalism to Indian democracy.</li> <li>* Develop a gender perspective on politics</li> <li>* Understand the vital role of people's struggle in the expansion of democracy</li> </ul>

	Political parties	6	The learners will be able to: <ul style="list-style-type: none"> <li>* Analyse the party system in democracies</li> <li>* Introduction to major political parties</li> <li>* Challenges faced by political parties</li> </ul> Reforms in political parties
	Outcomes of democracy	6	The learners will be able to: <ul style="list-style-type: none"> <li>* Evaluate the functioning of democracies in comparison to its alternate form of Government</li> <li>* Understand the causes for constitution of democracy in India</li> </ul> Distinguish between sources of strength and weaknesses of Indian Democracy
ECONOMICS	Development	6	The learners will be able to: <ul style="list-style-type: none"> <li>·Highlight the meaning and concept of Development</li> <li>·Ways to measure development</li> <li>·Importance of measuring the rate of development and various criteria of measurement such as health, education , income etc.</li> <li>·Discuss the modern concept of sustainable development and ways to achieve sustainable development</li> </ul>
	Sectors of Indian economy	6	The learners will be able to: <ul style="list-style-type: none"> <li>·Identify major employment generating sectors.</li> <li>·Reason out the government investment in different sectors of economy</li> </ul>
	Money and credit	6	The learners will be able to: <ul style="list-style-type: none"> <li>·Understand the money as an economic concept</li> <li>·Understand the role of financial institutions from the point of view of day-to- day life</li> </ul>
	Globalisation and Indian economy	6	The Learners will be able to: <ul style="list-style-type: none"> <li>* Understand the meaning of Globalisation</li> </ul> Explain the working of Global phenomenon Impact of Globalisation on India

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