

# ALTERNATIVE ACADEMIC CALENDAR

FOR STUDENTS  
SESSION – 2020-21



Class  
XI

D.A.V. MODEL SCHOOL  
I.I.T. KHARAGPUR



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(Managed by DAV College Managing Committee, New Delhi)  
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**CLASS: XI**  
**Subject: ENGLISH**

**Books Recommended:** HORNBILL- NCERT  
SNAPSHOTS-NCERT

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	THE PORTRAIT OF A LADY  GRAMMAR	Students are able to listen, reflect on the content.  Express their opinion independently.  Answer logically.  Able to appreciate the narrative.  Determiners Rules, Type to be explained.	<a href="https://www.pdf-archive.com/2015/07/22/kehb101-2">https://www.pdf-archive.com/2015/07/22/kehb101-2</a>  <a href="https://karnatakaeducation.org.in/KOER/en/index.php/The Portrait of a Lady">https://karnatakaeducation.org.in/KOER/en/index.php/The Portrait of a Lady</a>	<b>Week 1:</b> Students to listen with concentration with sustaining interest. Also they visualize the video and connect it with text for better understanding  Class work and Home work given on Determiners	Students are able to visualize the video version of the lesson through online platform.
	A PHOTOGRAPH  WRITING NOTICE	Students will be able to appreciate the poem, its meaning, critically appreciate the theme, attempt the answers with reference to context.  Understand the literary devices used.  Develop write up-paragraph using appropriate vocabulary.  Format of Notice to be shown with examples	<a href="https://cdn.s3waas.gov.in/s347d1e990583c9c67424d369f3414728e/uploads/2018/02/2018031648-1.pdf">https://cdn.s3waas.gov.in/s347d1e990583c9c67424d369f3414728e/uploads/2018/02/2018031648-1.pdf</a>  <a href="https://www.google.com/search?q=a+photograph+by+sahirley+toulson&amp;client=firefox-b-d&amp;sxsrf=ALeKk022DRsCUhSh4S5r7R7KEpyt-7-t-Q:1597155641184&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKEwj65pK1rJPrAhVmxzgGHU4NCugQ_AUoAXoECA0QAw&amp;biw=1366&amp;bih=654#imgrc=b5bkHuVqYFQpTM">https://www.google.com/search?q=a+photograph+by+sahirley+toulson&amp;client=firefox-b-d&amp;sxsrf=ALeKk022DRsCUhSh4S5r7R7KEpyt-7-t-Q:1597155641184&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKEwj65pK1rJPrAhVmxzgGHU4NCugQ_AUoAXoECA0QAw&amp;biw=1366&amp;bih=654#imgrc=b5bkHuVqYFQpTM</a>	<b>Week 2</b> ICT tool to incorporated by the use of online portal and browse through other similar platforms and collect authentic material. Students appreciate the recitation of the poem by themselves  Students to do exercises on Notice Writing in copy	Students can equate with elders in the family, cherish and respect memories of the dear ones departed.

	<p>THE SUMMER OF THE BEAUTIFUL WHITE HORSE</p> <p>WRITING POSTERS</p>	<p>Can prepare notes while reading, infer meaning from contexts with clarity.</p> <p>Write creatively sensitively towards issues like political migration of people from one region/country to another.</p> <p>Format of a Poster to be displayed on screen sharing through Google meet platform</p>	<p><a href="http://ncertbooks.prashanthelina.com/class_11.English.SnapshotsSupplReaderEnglish/Chap-01.pdf">http://ncertbooks.prashanthelina.com/class_11.English.SnapshotsSupplReaderEnglish/Chap-01.pdf</a></p> <p><a href="https://www.google.com/search?client=firefox-b-d&amp;q=the+summer+of+beautiful+white+horse">https://www.google.com/search?client=firefox-b-d&amp;q=the+summer+of+beautiful+white+horse</a></p>	<p><b>Week 3</b></p> <p>Authentic pictures of the presentation through online portal to view Armenia, San Joachim valley in California.</p> <p>Based on the Example students to be given a few poster making assignment to be done at home.</p>	<p>By reading the text, there is scope to know and understand the issues of migrants owing to political evacuation of people from homeland. Their strife to settle in new location.</p>
	THE ADDRESSES	<p>Students are able to listen, reflect on the content.</p> <p>Able to appreciate the narrative.</p> <p>Can prepare notes while reading, infer meaning from contexts with clarity.</p>	<p><a href="http://ncertbooks.prashanthelina.com/class_11.English.SnapshotsSupplReaderEnglish/Chap-02.pdf">http://ncertbooks.prashanthelina.com/class_11.English.SnapshotsSupplReaderEnglish/Chap-02.pdf</a></p> <p><a href="https://www.youtube.com/watch?v=N-oWGnTNbml">https://www.youtube.com/watch?v=N-oWGnTNbml</a></p>	<p><b>Week 4</b></p> <p>Students can view a number of videos/films on Holocaust/ Nazi ill treatment of Jews for better understanding of the text.</p>	<p>Students can find the way the text has been organized in sequence of incidents</p> <p>Students will learn many terms related to Jewish customs.</p>
JULY	<p>WE'RE NOT AFRAID TO DIE, IF WE CAN ALL BE TOGETHER</p> <p>ASL 1 to be CONDUCTED</p>	<p>Students to listen to the reading, understand the lesson and the explanation</p>	<p><a href="https://www.successcds.net/learn-english/class-11/were-not-afraid-to-die-if-we-can-all-be-together.html">https://www.successcds.net/learn-english/class-11/were-not-afraid-to-die-if-we-can-all-be-together.html</a></p> <p><a href="https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fwww.slideshare.net%2Fnokeshprabhakar%2Fwe-are-not-afraid-to-die&amp;psig=AOvVaw2MZ_hrmzt7Fugc6wn4zXxC&amp;ust=1597989057197000">https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fwww.slideshare.net%2Fnokeshprabhakar%2Fwe-are-not-afraid-to-die&amp;psig=AOvVaw2MZ_hrmzt7Fugc6wn4zXxC&amp;ust=1597989057197000</a></p> <p><a href="https://www.google.com/search?q=ile+amsterdam&amp;sxsrf=ALeKk0073KY3mXLNo9PUwL5RU5W32QzG3g:1597902840819&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKEwirrNn5i6nrAhWF">https://www.google.com/search?q=ile+amsterdam&amp;sxsrf=ALeKk0073KY3mXLNo9PUwL5RU5W32QzG3g:1597902840819&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKEwirrNn5i6nrAhWF</a></p>	<p><b>Week1</b></p> <p>Students will appreciate the struggle for survival of the narrator and his family members in Indian Ocean.</p>	<p>Students will learn how to stay strong facing direst stress.</p>

			<a href="http://zjgGHTu0AWUQ_AUoAXoECB4QAaw&amp;biw=1366&amp;bih=657#imgrc=1jw0X1i0fofFUM">zjgGHTu0AWUQ_AUoAXoECB4QAaw&amp;biw=1366&amp;bih=657#imgrc=1jw0X1i0fofFUM</a>		
	DISCOVERING TUT: The Saga Continues	<p>Students are able to listen, reflect on the content.</p> <p>Express their opinion independently.</p> <p>Answer logically.</p> <p>Able to appreciate the narrative related to the discovery of the tomb of Pharaoh Tutenkhamun</p>	<p><a href="https://www.learnbse.in/ncert-solutions-for-class-11-english-hornbill-discovering-tut-the-saga-continues/">https://www.learnbse.in/ncert-solutions-for-class-11-english-hornbill-discovering-tut-the-saga-continues/</a></p> <p><a href="https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D7_SIoElo8nE&amp;psig=AOvVaw2dZhDpUkdoU00YO_oPvXAf&amp;ust=1597990933022000&amp;source=images&amp;cd=vfe&amp;ved=0CAIQjRxqFwoTCNjigKOSgesCFQAAAAAdAAAABAD">https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D7_SIoElo8nE&amp;psig=AOvVaw2dZhDpUkdoU00YO_oPvXAf&amp;ust=1597990933022000&amp;source=images&amp;cd=vfe&amp;ved=0CAIQjRxqFwoTCNjigKOSgesCFQAAAAAdAAAABAD</a></p>	<b>Week 2</b> Students to listen with concentration with sustaining interest. Also they visualize the video and connect it with text for better understanding Students can view a number of videos/films on the Discovery of Tut's Tomb in Youtube for better understanding of the text.	
	THE LABURNUM TOP	<p>Students will be able to appreciate the poem, its meaning, critically appreciate the theme, attempt the answers with reference to context.</p> <p>Understand the literary devices used.</p> <p>Develop write up- paraphrase using appropriate vocabulary.</p>	<p><a href="https://www.successcds.net/learn-english/class-11/the-laburnum-top.html">https://www.successcds.net/learn-english/class-11/the-laburnum-top.html</a></p> <p><a href="https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fonlinenarayan.blogspot.com%2F2018%2F03%2Fthe-laburnum-top-summary-in-english.html&amp;psig=AOvVaw1bCzQLV-yCGH2QjNFZfJze&amp;ust=1597991239312000&amp;source=images&amp;cd=vfe&amp;ved=0CAIQjRxqFwoTCODh9bWTqesCFQAAAAAdAAAABAD">https://www.google.com/url?sa=i&amp;url=https%3A%2F%2Fonlinenarayan.blogspot.com%2F2018%2F03%2Fthe-laburnum-top-summary-in-english.html&amp;psig=AOvVaw1bCzQLV-yCGH2QjNFZfJze&amp;ust=1597991239312000&amp;source=images&amp;cd=vfe&amp;ved=0CAIQjRxqFwoTCODh9bWTqesCFQAAAAAdAAAABAD</a></p> <p><a href="https://www.google.com/search?tbm=isch&amp;q=Ted+Hughes#imgrc=mxjp7oh-Z4OcCM">https://www.google.com/search?tbm=isch&amp;q=Ted+Hughes#imgrc=mxjp7oh-Z4OcCM</a></p>	<b>Week 3</b> ICT tool to incorporated by the use of online portal and browse through other similar platforms and collect authentic material. Students appreciate the recitation of the poem by themselves	Students will consult Wikipedia, google to know more about the life and works of Ted Hughes.
	GRAMMAR: Tenses	Each of the Four forms of Past & Present Tenses to be explained with examples		<b>Week4</b> Students to have practice of similar exercises at home	

<b>AUG- UST</b>	<b>COMPRE- HEN- SION</b>	Passages with MCQ questions were to be given on screen to be solved.		<b>Week 1</b> Students to practice similar exercises at home	
	<b>THE LANDSCAPE OF THE SOUL</b>	Students to listen to the reading, understand the lesson and the explanation	<a href="https://www.successcds.net/learn-english/class-11/landscape-of-the-soul.html">https://www.successcds.net/learn-english/class-11/landscape-of-the-soul.html</a> <a href="https://www.youtube.com/watch?v=7Vzf9FiBsGA">https://www.youtube.com/watch?v=7Vzf9FiBsGA</a>	<b>Week 2</b> Silent reading to appreciate the text. Understand the value of a piece of art.	Students will be able to learn about Rock Garden making a virtual tour and appreciate the beauty of creativity out of trash.
	<b>RANGA's MARRIAGE</b>	Students will be able to appreciate the communicative style of the narrative, and enjoy the situational humour in the text.	<a href="https://www.learnbse.in/ncert-solutions-for-class-11-english-snapshots-rangas-marriage/">https://www.learnbse.in/ncert-solutions-for-class-11-english-snapshots-rangas-marriage/</a>	<b>Week 3</b> Will appreciate the satire of child marriage through humour.	Read the translated works of other Indian writers.
	<b>ALBERT EINSTEIN AT SCHOOL</b>	Students to listen to the reading, understand the lesson and the explanation  Express their opinion independently.  Answer logically.	<a href="https://www.successcds.net/learn-english/class-11/albert-einstein-at-school.html">https://www.successcds.net/learn-english/class-11/albert-einstein-at-school.html</a> <a href="https://www.google.com/search?q=albert+einstein+and+elsa&amp;sxsrf=ALeKk03LZypnzHOPEs5Rb9qINFMASKGx5Q:1597992464691&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKewjgrNjp2avrAhWx73MBHWRgBa0QAUoAXoECBQQAw&amp;biw=1366&amp;bih=657">https://www.google.com/search?q=albert+einstein+and+elsa&amp;sxsrf=ALeKk03LZypnzHOPEs5Rb9qINFMASKGx5Q:1597992464691&amp;source=lnms&amp;tbm=isch&amp;sa=X&amp;ved=2ahUKewjgrNjp2avrAhWx73MBHWRgBa0QAUoAXoECBQQAw&amp;biw=1366&amp;bih=657</a>	<b>Week 4</b> Read the text silently for understanding and then copy the question answers and read them for learning.	Students will find from electronic media the life struggles of Albert Einstein, his school days.

**CLASS: XI**  
**Subject: MATHEMATICS**

**Books Recommended:** NCERT Text Book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	Chapter 1: Sets	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● The definition of a set</li> <li>● Roster or tabular form and set-builder form of a set</li> <li>● Definitions of empty set, finite and infinite sets, equal sets.</li> <li>● Concept of subsets</li> <li>● Concepts of subsets of set of real numbers</li> <li>● Concept of intervals as subsets of <math>R</math></li> <li>● Definitions of power set and universal set.</li> <li>● Introduction to the concept of Venn diagrams.</li> <li>● Operations on sets: Union of sets, intersection of sets, difference of sets</li> <li>● Properties of these above mentioned operations</li> <li>● Concept of complement of a set</li> <li>● Solutions of practical problems on Union and intersection of two sets.</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/ NCERT lab manuals <a href="https://youtu.be/av1A2a7KPLk">https://youtu.be/av1A2a7KPLk</a> <a href="https://youtu.be/tBbWGOsw5r4">https://youtu.be/tBbWGOsw5r4</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	<p><b>Activity 1:</b> To find the number of subsets of a given set and verify that if a set has <math>n</math> number of elements, then the total number of subsets is <math>2^n</math>.</p>
	Chapter 2: Relations and Functions	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Cartesian products of non-empty sets</li> <li>● Relation between cartesian product and</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/ NCERT lab</p>	<p>Class work materials and assignments will be given to students through class WhatsApp</p>	<p><b>Activity 2:</b> To verify that for two sets A and B,</p>

		<p>union-intersection {e.g. <math>A \times (B \cup C) = (A \times B) \cup (A \times C)</math>}</p> <ul style="list-style-type: none"> <li>● Introduction to Relation between two non-empty sets</li> <li>● Definition of relation between two non-empty sets</li> <li>● Definitions of domain, codomain, range of a relation.</li> <li>● Formula between cardinality of <math>A \times B</math> and the number of relations from A to B.</li> </ul>	<p>manuals  <a href="https://youtu.be/WkcASIRhCak">https://youtu.be/WkcASIRhCak</a>  <a href="https://youtu.be/DIxXkz1nkp4">https://youtu.be/DIxXkz1nkp4</a></p>	<p>group.  Learning videos will be shown through online classes.  Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	<p><math>n(A \times B) = pq</math> and the total number of relations from A to B is <math>2^{pq}</math>, where <math>n(A) = p</math> and <math>n(B) = q</math>.</p>
	<b>Chapter 2:</b> Relations and Functions	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Definition of function</li> <li>● Functions are special types of relations</li> <li>● Definitions of domain, codomain, range of a function.</li> <li>● Some special functions and their graphs: Identity function, Constant function, Polynomial function, Modulus function, Signum function, Greatest Integer function</li> <li>● Algebra of real functions <math>\{(f + g)(x) = f(x) + g(x) \text{ etc.}\}</math></li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://youtu.be/DIxXkz1nkp4">https://youtu.be/DIxXkz1nkp4</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group.  Learning videos will be shown through online classes.  Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	<b>Activity 6:</b> To distinguish between a Relation and a Function.
	<b>Chapter 3:</b> Trigonometric Functions	<p>Students will be able to</p> <ul style="list-style-type: none"> <li>● recapitulate the previous concepts of trigonometry and relate it with new concepts.</li> </ul> <p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● To measure an angle in degree and radian</li> <li>● The relation between degree and radian (<math>1^\circ = \pi/180</math> radian)</li> <li>● Formula <math>l = r \times \text{angle covered by radius}</math></li> <li>● Relation between radian and real numbers</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://youtu.be/4rewo2sJUTI">https://youtu.be/4rewo2sJUTI</a>  <a href="https://youtu.be/wXCah15uWTI">https://youtu.be/wXCah15uWTI</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group.  Learning videos will be shown through online classes.  Students will send their homeworks and assignment through WhatsApp.</p>	<b>Activity 10:</b> To plot the graphs of $\sin x$ , $\sin 2x$ , $2\sin x$ and $\sin(x/2)$ , using same coordinate axes.

		<ul style="list-style-type: none"> <li>• Trigonometric functions <math>y = \sin x</math>, <math>y = \cos x</math>, <math>y = \tan x</math> etc and their values at points <math>0, \pi/2, \pi, 2\pi</math> etc.</li> <li>• Sign of trigonometric functions along the interval <math>[0, 2\pi]</math> (i.e. along all the four quadrants)</li> <li>• Graphical representation of all trigonometric functions along cartesian plane.</li> </ul>			
<b>July</b>	<b>Chapter 3:</b> Trigonometric Functions	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>• Trigonometric functions of Sum and Difference of two angles { e.g. <math>\cos(x + y) = \cos x \cdot \cos y - \sin x \cdot \sin y</math> }</li> <li>• Derivation of trigonometric functions of multiple angles from above mentioned formulae { e.g. <math>\sin 2x = 2 \sin x \cos x</math>, <math>\cos 3x = 4 \cos^3 x - 3 \cos x</math> etc. }</li> <li>• General solutions of a trigonometric equations</li> <li>• If <math>\sin x = \sin y</math>, then <math>x = n\pi + (-1)^n y</math>, <math>\cos x = \cos y</math>, then <math>x = 2n\pi \pm y</math> etc.</li> </ul>	NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals <a href="https://youtu.be/tRQ4RIWNUf4">https://youtu.be/tRQ4RIWNUf4</a>	Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.	
	<b>Chapter 5:</b> Complex Numbers and Quadratic Equations	<p>Students will be introduced to a new kind of number whose square will be a negative number.</p> <p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>• what is a complex number and how it can be written (<math>a + ib</math> form)?</li> <li>• What is real and imaginary parts of a complex number?</li> </ul> <p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>• Algebra of complex numbers: addition, difference, multiplication, divisions of two complex</li> </ul>	NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals <a href="https://youtu.be/nUc_otnBah0">https://youtu.be/nUc_otnBah0</a>	Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.	<b>Activity 11:</b> To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.



		<p>numbers.</p> <ul style="list-style-type: none"> <li>● Imaginary number <math>i</math> and its power.</li> <li>● Square roots of negative real numbers related to the concept of complex number.</li> <li>● Basic identities of complex numbers{ e.g. <math>(a+b)^2 = a^2 + 2ab + b^2</math> etc. }</li> <li>● Modulus and Conjugate of a complex number.</li> <li>● Introduction to the Argand plane.</li> <li>● Polar representation of a complex number</li> <li>● Arguments and Principal argument of a complex number</li> <li>● Solutions of a quadratic equation if its discriminant is negative.</li> </ul>			
	<p><b>Chapter 6:</b> Linear Inequalities</p>	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● What is an inequation?</li> <li>● Basic difference and relation between equation and inequation.</li> <li>● Algebraic solutions of linear inequalities in one variable.</li> <li>● Plotting of solution set in real number line.</li> <li>● Introduction of graph in solution.</li> <li>● How to draw a straight line in a graph paper using its equation</li> <li>● How to locate a region according to a point (mainly origin) with respect to a particular straight line</li> <li>● Solution of system of linear inequalities in two variables.</li> <li>● To solve a real life problem using the help of linear inequalities in one or two variables.</li> </ul>	<p>NCERT Mathematics textbook/NCERT RT EXEMPLAR/ NCERT lab manuals <a href="https://youtu.be/exo4Kqgfje4">https://youtu.be/exo4Kqgfje4</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	<p><b>Activity 13:</b> To verify that the graph of a given inequality, say <math>5x + 4y - 40 &lt; 0</math>, of the form <math>ax + by + c &lt; 0</math>, <math>a, b &gt; 0</math>, <math>c &lt; 0</math> represents only one of the two half planes.</p>

	<p><b>Chapter 9:</b> Sequences and Series</p>	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Definition of a sequence</li> <li>● Relate the term sequence in our everyday life</li> <li>● Definition of term of a sequence, finite and infinite sequence.</li> <li>● Special sequence: Fibonacci Sequence</li> <li>● Definition of a series, general term of a series, sum upto particular term of a series</li> <li>● To find particular terms using the formula of general term of a sequence</li> <li>● Special sequence such as arithmetic progression.</li> <li>● To recapitulate the solutions, formulae and definitions related to the arithmetic progression.</li> <li>● To find a sum upto particular term of an arithmetic progression.</li> <li>● How to find arithmetic mean between two numbers.</li> <li>● How to find n number of arithmetic means between two given numbers using the concept of arithmetic progression.</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://youtu.be/Hi9_3Uq7_Sc">https://youtu.be/Hi9_3Uq7_Sc</a>  <a href="https://youtu.be/Ia9dbNXyvuU">https://youtu.be/Ia9dbNXyvuU</a>  <a href="https://youtu.be/0WmP2l6y-wY">https://youtu.be/0WmP2l6y-wY</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp.</p>	
<p><b>August</b></p>	<p><b>Chapter 9:</b> Sequences and Series</p>	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Definition of geometric progression</li> <li>● What is common ratio?</li> <li>● General term of a geometric progression and the sum upto particular term of geometric progression.</li> <li>● Relation between geometric progression and arithmetic progression</li> <li>● To find the geometric</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://youtu.be/ir1hryYxBn0">https://youtu.be/ir1hryYxBn0</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through</p>	<p><b>Activity 18:</b> To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.</p>

		<p>mean between two numbers</p> <ul style="list-style-type: none"> <li>To find n number of geometric means between two given numbers.</li> <li>Relation between arithmetic mean and geometric mean</li> <li>Sum upto n terms of some special series:  <math>1+2+3+\dots</math>  <math>1^2+2^2+3^2+\dots</math>  <math>1^3+2^3+3^3+\dots</math></li> </ul>		<p>WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	
	<b>Chapter 10:</b> Straight line	<p>Students will be able to recapitulate:</p> <ul style="list-style-type: none"> <li>Formulae of distance between two points, section formula, area of triangle when three vertices are given.</li> </ul> <p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>Inclination and slope of a straight line.</li> <li>Slope of a line when two points lying on the line are given.</li> <li>Slopes when two lines are parallel/perpendicular to each other.</li> <li>Measurement of angle between two straight lines when their slopes are given.</li> <li>Condition of collinearity of three points.</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://diksha.gov.in/play/content/do_31301015370520985617?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3130150468905779201309%26utm_campaign%3Dshare_content">https://diksha.gov.in/play/content/do_31301015370520985617?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3130150468905779201309%26utm_campaign%3Dshare_content</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp.</p>	
	<b>Chapter 10:</b> Straight line	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>Various forms of the equation of a line: horizontal/vertical, point-slope form, two-point form, slope-intercept form, intercept form, normal form.</li> <li>General equation of a line and how to make it a normal form, slope-intercept form etc.</li> <li>Formula for</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://diksha.gov.in/play/content/do_31301015370520985617?referrer=utm_source%3Ddiksha_mobile">https://diksha.gov.in/play/content/do_31301015370520985617?referrer=utm_source%3Ddiksha_mobile</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment</p>	

		perpendicular distance of a point from a straight line.	<a href="#">%26utm_content%3Ddo_3130150468905779201309%26utm_campaign%3Dshare_content</a>	through WhatsApp. Short online MCQ test will be taken after completion of chapter.	
	<b>Chapter 11:</b> Conic Sections	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>• What is a double-cone?</li> <li>• Generator, upper nappe, lower nappe, axis of a cone.</li> <li>• What will happen if a cone is cut by a plane?</li> <li>• What will be the cross-section?</li> </ul> <p>Student will be able to learn:</p> <ul style="list-style-type: none"> <li>• if the cutting plane is perpendicular to the axis, then cross-section will be a circle.</li> <li>• Definition of a circle.</li> <li>• Centre, radius, chord of a circle in terms of coordinate geometry.</li> <li>• Equation of a circle when the centre is the origin/any other point.</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals</p> <p><a href="https://youtu.be/WUYQ_F9roDk">https://youtu.be/WUYQ_F9roDk</a></p> <p><a href="https://youtu.be/Efhlo91_7zM">https://youtu.be/Efhlo91_7zM</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group.</p> <p>Learning videos will be shown through online classes.</p> <p>Students will send their homeworks and assignment through WhatsApp.</p>	

**CLASS: XI**  
**Subject: PHYSICS**

**Books Recommended: NCERT Text Book**

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	<b>Chapter I:</b> Physical world Nature of physical laws , Impact on society and technology	Students will able to learn the following things:-  (i)Students will familiar about different types of natural phenomenon.  (ii)Students identifies about the different kinds of forces and their nature.  (ii)Students also learn about the application of different technology in our daily life.	1)Physics Part -I Textbook for class XI NCERT Publication  2)Concept of Physics Part-I Bharti Bhawan  3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a>	<b>Week 1:</b> Identification of different forces in nature will be done by the students.	<b>Activity 1:-</b>  Application of physics in daily life.
	<b>Chapter II:</b> Units and Measurements. Systems of unit, fundamental and derived units, unit of length, mass and time	i)Students will familiar about different systems of units.  ii)Students also learn about the relation between different systems of units..	1)Physics Part -I Textbook for class XI NCERT Publication  2)Concept of Physics <b>Part-I</b> Bharti Bhawan  3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a>	<b>Week 2</b>  Students will instruct to find relationship between units in different units.	

	<b>Chapter II:-</b> Dimensions of different physical quantities, dimensional analysis, Significant figures	(i) Students will come to know about the dimension formulae of different physical quantities.  (ii) Students can write any measurement significantly and accurately.	1) Physics Part -I Textbook for class XI NCERT Publication  2) Concept of Physics Part-I Bharti Bhawan  3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a>	<b>Week 3</b>  Learners may be given different physical quantities and may be asked to derive the dimensional formulae.	
	<b>Chapter II;-</b> Accuracy and precision of measuring instruments	(i) Different sources of errors will be known by the students.	1) Physics Part -I Textbook for class XI NCERT Publication  2) Concept of Physics Part-I Bharti Bhawan  3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a>	<b>Week 4</b>  Exercise in the textbook and exemplar problems will be solved and discussed by the teacher.	
<b>JULY</b>	<b>Chapter- III:</b> Motion in a straight line	(i) Students will learn about differentiation and integration.  (ii) Application of these mathematical tools in physics	1) Physics Part -I Textbook for class XI NCERT Publication  2) Concept of Physics Part-I Bharti Bhawan	<b>Week 1</b>  Students will suggest to compare with the growth of plant and population growth  Students also solve differentiation and integration problems with the help of mathematics.	<b>Activity 2:-</b>  Making of diagram regarding the variation of independent variable and dependent variable
	<b>Chapter- III:</b> Motion in a straight line	(i) Application of these mathematical tools in physics.  (ii) Students will	1) Physics Part -I Textbook for class XI NCERT Publication  2) Concept of Physics Part-I Bharti Bhawan	<b>Week 2</b>  Students will suggest to compare with the growth of plant and population growth	

		able to differentiate between uniform and non- uniform motion .Also calculation of velocity, acceleration, speed		Students also solve differentiation and integration problems with the help of mathematics.	
	<b>Chapter- III:</b> Motion in a straight line.  Chapter IV: Motion in a plane	(i)Characteristics of free fall will be known by the students.  (i)Students can identify the one and two dimensional motion.  (ii)Students will be introduced with the laws of vectors.	1)Physics Part -I Textbook for class XI NCERT Publication  2)Concept of Physics Part-I Bharti Bhawan	<b>Week 3</b> Equations related to free fall will be calculated with the help of teacher .  Students will prepare a sheet including the scalar and vector quantities	
	<b>Chapter IV:</b> Motion in a plane	Learners come to know about resolution of vectors,product of vectors,projectile motion	1)Physics Part -I Textbook for class XI NCERT Publication  2)Concept of Physics Part-I Bharti Bhawan 3) <a href="https://www.youtube.com/watch?v=oNCIgGg-EhU">https://www.youtube.com/watch?v=oNCIgGg-EhU</a>	<b>Week 4</b> Learners may be given different examples of motion and may be asked to identify the projectile motions.. Students also solve problems from textbook and ncert exemplar.	<b>Activity 3:-</b>  Demonstration regarding the simulation on projectile motion
<b>AUGUST</b>	<b>Chapter 5:</b> Laws of motion Laws of conservation of linear momentum and its application.  Concurrent forces and its equilibrium	(i)Learners will be able to understand the concept of Rectilinear motion and equations of motion for moving body.  Learners will be able to understand the Analogy between Kinematics and	1)Physics Part -I Textbook for class XI NCERT Publication.  2) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a>	<b>Week 1</b> Students use a balloon toss activity to investigate the effect of mass, collision time, and velocity change upon the collision force.  Students will	

		<p>Rotational Dynamics.</p> <p>Students will come to know about the equilibrium condition in rest and motion state</p>		<p>solve problems of different competitive exam with the help of teacher.</p>	
	<p><b>Chapter V:</b> Laws of motion Static friction and kinetic friction</p>	<p>(i) Students will learn about laws of friction and normal reaction force.</p> <p>(ii) Learners can identify the angle of friction and angle of repose</p>	<p>1) Physics Part -I Textbook for class XI NCERT Publication</p> <p>2) Concept of Physics Part-I Bharti Bhawan</p> <p>3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a></p>	<p><b>Week 2</b> The concept of frictional force will be discussed. Learners will find the equilibrium condition on an inclined surface.</p>	
	<p><b>Chapter V:</b> Laws of motion. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road). Chapter 6: Work, Energy and Power. work done by constant force and variable force, work-energy theorem</p>	<p>Concepts of banking road and its necessity will be understood by the students.</p> <p>Students will be able to draw the graphs regarding work done by constant force and variable force</p> <p>Different types of energy concept will be learnt by the students, particularly kinetic energy.</p>	<p>1) Physics Part -I Textbook for class XI NCERT Publication</p> <p>2) Concept of Physics Part-I Bharti Bhawan</p> <p>3) <a href="https://diksha.gov.in/help/getting-started/diksha-mobile-app/">https://diksha.gov.in/help/getting-started/diksha-mobile-app/</a></p> <p>1) Physics Part -I Textbook for class XI NCERT Publication</p> <p>2) <a href="http://fundamentals-of-physics-by-halliday.html">http://fundamentals-of-physics-by-halliday.html</a>.</p> <p>3) <a href="https://www.khanacademy.org/science/physics/work-and-energy/work-and-energy-tutorial/v/introduction-to-work-and-energy">https://www.khanacademy.org/science/physics/work-and-energy/work-and-energy-tutorial/v/introduction-to-work-and-energy</a></p>	<p><b>Week 3</b> Students will solve exercise problems of ncert textbook and from reference book.</p> <p>Students will prepare power point presentation on it.</p> <p><b>Week 4:</b> Difference between kinetic and potential energy and corresponding equations will be written by the students with the help of students.</p>	



**CLASS: XI**  
**Subject: CHEMISTRY**

**Books Recommended: NCERT CHEMISTRY PART I**

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
JUNE	<b>Ch1:</b> Some basic principle of chemistry 1 Importance of chemistry. 2 The international system of unit. 3 Significant figure. 4 Laws of chemical combination. 5 Atomic and Molecular mass.	Learners 1 appreciates the role of chemistry in different spheres of life. 2 Defines SI base units and list some commonly used prefixes. 3 Uses scientific notations and performs simple mathematical operations on numbers. 4 Differentiates between precision and accuracy. 5. determines significant figure. 6. explains various laws of chemical combination. 7 appreciates significance of atomic mass, average atomic, molecular mass and formula mass	NCERT TEXT BOOK PART 1 <a href="https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic">https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic</a> <a href="https://youtu.be/cv4IJMZ13Q">https://youtu.be/cv4IJMZ13Q</a>  <a href="https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic">https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic</a>	<b>Week 1:</b> Open the link and watch the video and learn the theory to understand the concept. Solve the MCQ Given in the link.	1 <a href="http://amrita.olabs.edu.in/?sub=73&amp;brch=7&amp;sim=109&amp;cnt=1">http://amrita.olabs.edu.in/?sub=73&amp;brch=7&amp;sim=109&amp;cnt=1</a> Open the link to watch the video and Do Amrita O-Lab Simulation to follow experiential learning on acid-base titration 2 Solve exercise questions in your copy.
	1 Mole and molar mass. 2 Percentage composition. 3 Empirical and Molecular formula. 4 Stoichiometric Calculation. 5 Limiting	1 describes the terms mole and molar mass. 2 applies the concept to calculate the mass percent of different elements constituting a compound. 3 applies the concept to determine	<a href="https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic/xfbb6cb8fc2bd00c8:in-in-mole-concept-molar-mass-">https://www.khanacademy.org/science/class-11-chemistry-india/xfbb6cb8fc2bd00c8:in-in-some-basic/xfbb6cb8fc2bd00c8:in-in-mole-concept-molar-mass-</a>	<b>Week 2</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link	<a href="https://phet.colorado.edu/en/simulation/reactant-products-and-leftovers">https://phet.colorado.edu/en/simulation/reactant-products-and-leftovers</a>  <a href="https://phet.colorado.edu/en/simulation/molarity">https://phet.colorado.edu/en/simulation/molarity</a>

	<p>reagent. 6 Reactions in solution. 7 Molarity and Molality.</p>	<p>empirical and molecular formula for a compound from the given experimental data. 4 performs the stoichiometric calculations. 5 applies the concept to solve intext and exercise questions.</p>	<p><a href="https://www.youtube.com/watch?v=mWmHhNjIL4">percentage-composition/v/the-mole-and-avogadro-s-number</a> <a href="https://youtu.be/VmWmHhNjIL4">https://youtu.be/VmWmHhNjIL4</a></p>		<p>Open the link and do simulation for experiential learning.</p>
	<p><b>Ch2</b> Structure of atom. 1 Subatomic particles. 2 Atomic Models. 3 Developments leading to the Bohr's Model of Atom. 4 Wave and Particle nature of Electromagnetic radiation. 5 Plank's quantum theory. 6 Photoelectric effect.</p>	<p>1 knows about the discovery of electron, proton and neutron and their characteristics. 2 Describes Thomson, Rutherford and Bohr atomic models. 3 understands the important features of the quantum mechanical model of atom. 4 understands nature of electromagnetic radiation and Planck's quantum theory. 5 explains the photoelectric effect and describes features of atomic spectra.</p>	<p><a href="https://phet.colorado.edu/en/simulation/blackbody-spectrum">https://phet.colorado.edu/en/simulation/blackbody-spectrum</a>  <a href="https://youtu.be/sjiU0-fHWNE">https://youtu.be/sjiU0-fHWNE</a>  <a href="https://youtu.be/TMRiZhsYLe4">https://youtu.be/TMRiZhsYLe4</a>  <a href="https://youtu.be/PaZYz8BOUDI">https://youtu.be/PaZYz8BOUDI</a></p>	<p><b>Week 3</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link</p>	<p><a href="https://phet.colorado.edu/en/simulation/wave-on-a-string">https://phet.colorado.edu/en/simulation/wave-on-a-string</a>  <a href="https://phet.colorado.edu/en/simulation/legacy/photoelectric">https://phet.colorado.edu/en/simulation/legacy/photoelectric</a>  <a href="https://phet.colorado.edu/en/simulation/legacy/radio-waves">https://phet.colorado.edu/en/simulation/legacy/radio-waves</a>  Open the link and do simulation for experiential learning.</p>
	<p>1 Atomic spectra. 2 Bohr's model of hydrogen atom. 3 Dual nature of matter. 4 Heisenberg's uncertainty principle. 5 Quantum mechanical model of atom. 6 Orbitals and Quantum numbers. 7 Filling of orbitals in</p>	<p>1 states the de Broglie relation and Heisenberg's uncertainty principle. 2 define an atomic orbital in terms of quantum numbers. 3 states Aufbau principle, Pauli exclusion principle and Hund's rule of maximum multiplicity. 4 Writes the electronic configuration of</p>	<p><a href="https://youtu.be/tigyU8nZWI">https://youtu.be/tigyU8nZWI</a>  <a href="https://upload.wikimedia.org/wikipedia/commons/9/9e/Quantum_spin_and_the_Stern-Gerlach_experiment.ogg">https://upload.wikimedia.org/wikipedia/commons/9/9e/Quantum_spin_and_the_Stern-Gerlach_experiment.ogg</a> NCERT EXAMPLAR BOOK</p>	<p><b>Week 4</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link</p>	<p><a href="https://phet.colorado.edu/en/simulation/legacy/bound-states">https://phet.colorado.edu/en/simulation/legacy/bound-states</a>  <a href="https://phet.colorado.edu/en/simulation/legacy/hydrogen-atom">https://phet.colorado.edu/en/simulation/legacy/hydrogen-atom</a> Open the link and do simulation for experiential learning.</p>

	atom. 8 Electronic configuration of atoms.	atoms. 5 Applies the concept to solve intext and Exercise questions.			
<b>JULY</b>	<b>Ch3</b> Classification of elements and periodicity in properties. 1 Genesis of periodic classification. 2 Modern periodic table. 3 Nomenclature of the elements with $Z > 100$ . 4 Electronic configurations of elements and the periodic table. 5 s, p, d, f blocks.	1 appreciates the concept of grouping elements in accordance to their properties led to the development of Periodic table. 2 understands the periodic table. 3 Understands the significance of atomic number and electronic configuration as the basis for periodic classification 4 Names the element with $Z > 100$ according to the IUPAC nomenclature. 5 Classifies elements into s, p, d, f blocks and learn their main characteristics.	<a href="https://youtu.be/c42LmQcealM">https://youtu.be/c42LmQcealM</a>  <a href="https://www.khanacademy.org/science/chemistry/periodic-table">https://www.khanacademy.org/science/chemistry/periodic-table</a>  NCERT EXAMPLAR BOOK	<b>Week 1</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link  Solve the Exercise Questions in your chemistry copy.	1 Draw the electronic configuration of the elements.  2 Write the name of the elements with $Z > 100$
	1 Periodic trends in properties of elements. 2 Ionization enthalpy, Electron gain enthalpy, Electronegativity. 3 Periodic trends in chemical properties. 4 Anomalous properties of second period elements. 5 Periodic trends and chemical reactivity.	1 recognises the periodic trends in physical and chemical properties of element. 2 compares the reactivity of elements and correlate it with their occurrence of nature. 3 Explains the relation between ionization enthalpy and metallic character. 4 uses scientific vocabulary appropriately to communicate ideas related to certain	<a href="https://www.khanacademy.org/science/chemistry/periodic-table-trends-bonding/v/electron-affinity">https://www.khanacademy.org/science/chemistry/periodic-table-trends-bonding/v/electron-affinity</a>  NCERT EXAMPLAR Book	<b>Week 2</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link  Solve MCQ and Exercise questions in your copy.	1 Write the differences between ionization enthalpy and electron gain enthalpy. 2 Write the differences between electron gain enthalpy and electronegativity.

		important properties of atoms e.g ionization enthalpy, electron gain enthalpy, electronegativity. 5 Applies concept to solve intext and Exercise questions			
	<b>Ch4</b> Chemical bonding and molecular structure. 1 Covalent bond. 2 Formal charge. 3 Limitations of Octet rule. 4 Electrovalent bond. 5 Bond parameters. 6 Resonance structures. 7 VSEPR theory. Valence bond theory.	1 Understands Kossel-Lewis approach to chemical bonding. 2 explains the octet rule and its limitations. 3 draws Lewis structure of simple molecules. 4 explains the formation of different types of bonds. 5 describes the VSEPR theory and predicts the geometry of simple molecules. 6 Explains the valence bond approach for the formation of covalent bonds. 7 Draws resonance structures.	<a href="https://www.youtube.com/watch?v=jWZKZojacPY&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=16">https://www.youtube.com/watch?v=jWZKZojacPY&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=16</a>  <a href="https://www.youtube.com/watch?v=0Y2BlcI2EqM&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=15">https://www.youtube.com/watch?v=0Y2BlcI2EqM&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=15</a>	<b>Week 3</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link	<a href="https://phet.colorado.edu/en/simulation/legacy/covalent-bonds">https://phet.colorado.edu/en/simulation/legacy/covalent-bonds</a>  <a href="https://phet.colorado.edu/en/simulation/molecular-shapes-basics">https://phet.colorado.edu/en/simulation/molecular-shapes-basics</a>  Open the link and do simulation for experiential learning. Draw Lewis dot structure of molecules and resonance structures of molecules.
	1 Orbital overlap concept. 2 Directional property of Bonds. 3 Hybridization. 4 Molecular orbital theory. 5 Hydrogen bonding.	1 predicts the directional properties of covalent bond. 2 explains the different types of hybridization involving s, p and d orbitals and draw shapes of simple covalent molecules. 3. describes the molecular orbital theory of homonuclear diatomic molecules.	<a href="https://youtu.be/kRXhGDkjMno?list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR">https://youtu.be/kRXhGDkjMno?list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR</a>  <a href="https://images.app.goo.gl/zyVknYf9eWEKuUob9">https://images.app.goo.gl/zyVknYf9eWEKuUob9</a> NCERT EXAMPLAR BOOK	<b>Week 4</b> Open the link and watch the video. Read the theory for better understanding.  Solve the MCQ given in the Link  Do MCQ and Exercise questions in your chemistry copy.	<a href="https://phet.colorado.edu/en/simulation/molecular-shapes">https://phet.colorado.edu/en/simulation/molecular-shapes</a>  <a href="https://phet.colorado.edu/en/simulation/molecular-polarity">https://phet.colorado.edu/en/simulation/molecular-polarity</a>  Open the link and do simulation for experiential learning.

		4 explains the concept of hydrogen bond.			Draw the orbital overlapping structure and different hybridized structures of molecules.
<b>AUG</b>	<b>Ch5</b> States of matter. 1 Intermolecular forces. 2 Intermolecular forces vs thermal energy. 3 Hydrogen bond. 4 Gas Laws. 5 Ideal gas equation. 6 Kinetic molecular theory of gases. 7 Behavior of real gases.	1 Explains the existence of different states of matter in terms of balance between intermolecular forces and thermal energy of particles. 2 explains the laws governing behavior of ideal gases. 3 applies gas laws in various real life situations. 4 explains the behavior of real gases.	<a href="https://www.youtube.com/watch?v=Qw_Jy1Ydfrk&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=14">https://www.youtube.com/watch?v=Qw_Jy1Ydfrk&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=14</a>	<b>Week 1</b> <a href="https://docs.google.com/forms/d/e/1FAIpQLSf90X5Xt59EI42s_0JhgNxfyz-Or_5WF9hbkAOl-MhHHlrCw/vievwform">https://docs.google.com/forms/d/e/1FAIpQLSf90X5Xt59EI42s_0JhgNxfyz-Or_5WF9hbkAOl-MhHHlrCw/vievwform</a> Solve the MCQ in your copy.	<a href="https://phet.colorado.edu/en/simulation/states-of-matter-basics">https://phet.colorado.edu/en/simulation/states-of-matter-basics</a>  <a href="https://phet.colorado.edu/en/simulation/states-of-matter">https://phet.colorado.edu/en/simulation/states-of-matter</a> Open the link and do simulation for experiential learning.
	1 Liquefaction of gases. 2 Vapour pressure. 3 Surface tension. 4 Viscosity.	1 describes the conditions required for liquefaction of gases. 2 realises that there is continuity in gaseous and liquid state. 3 differentiates between gaseous state and vapors. 4 explains properties of liquids in terms of intermolecular attractions. 5 applies the concept to solve in text and exercise questions.	<a href="https://youtu.be/psIKynh7jVw">https://youtu.be/psIKynh7jVw</a>  <a href="https://youtu.be/Yupt2CIXS68">https://youtu.be/Yupt2CIXS68</a>  NCERT EXAMPLAR BOOK	<b>Week 2</b> Open the link and watch the video. Read the theory for better understanding. Solve the MCQ and Exercise questions in your copy.	1 Draw the graph for liquefaction of carbon dioxide. 2 Draw the P vs T vapor pressure graph.
	<b>Ch6</b> Thermodynamics. 1 Thermodynamics	1 explains the terms system and surroundings. 2 discriminates between close, open	<a href="https://www.youtube.com/watch?v=w3MEJoTW2Oo">https://www.youtube.com/watch?v=w3MEJoTW2Oo</a>  <a href="https://www.youtube">https://www.youtube</a>	<b>Week 3</b> Open the link and watch the video. Read the theory for better	Write the differences between intensive and

	<p>c terms.  2 Types of systems.  3 The state of the system.  4 Internal energy as a state function.  5 Work  6. Relation between <math>C_p</math> and <math>C_v</math>.  7 Measurement of <math>\Delta U</math> and <math>\Delta H</math>.</p>	<p>and isolated systems.  3 explains internal energy, work and heat.  4 States 1<sup>st</sup> law of thermodynamics and expresses it mathematically.  5 calculates energy changes as work and heat contributions in chemical systems.  6 explains state function.  7 correlates between <math>\Delta U</math> and <math>\Delta H</math>  8 defines standard states for <math>\Delta H</math></p>	<p><a href="https://www.youtube.com/watch?v=Pc8CbCO-O5U&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=13">be.com/watch?v=Pc8CbCO-O5U&amp;list=PLNz32RYOjBeoySiHE6MTZOWQGpEhD5tnR&amp;index=13</a></p>	<p>understanding.</p>	<p>extensive property.   Derive the relation between <math>C_p</math> and <math>C_v</math>.</p>
	<p>1 Enthalpy change and reaction enthalpy.  2 Hess's law of constant heat summation.  3 Enthalpy for different type of reactions.  4 Spontaneity.  5 Gibbs energy and spontaneity.  6 Gibbs energy change for equilibrium.</p>	<p>1 calculates enthalpy changes for various types of reactions.  2 states and apply Hess's law of constant heat summation.  3 differentiates between extensive and intensive properties.  4 defines spontaneous and non-spontaneous processes.  5 explains entropy and Gibbs energy change.  6 establishes relationship between <math>\Delta G</math> and spontaneity. <math>\Delta G</math> and equilibrium constant.</p>	<p><a href="https://www.youtube.com/watch?v=sAQ-wdhGGjs">https://www.youtube.com/watch?v=sAQ-wdhGGjs</a>   <a href="https://youtu.be/dIRd_b6Ua3M">https://youtu.be/dIRd_b6Ua3M</a>  NCERT  EXAMPLAR</p>	<p><b>Week 4</b>  Open the link and watch the video to learn the topic.   Solve the MCQ from NCERT EXAMPLAR BOOK.</p>	<p>Note down some physical and chemical changes from day to day life application to explain Thermodynamic properties.</p>

# CLASS :XI

## Subject: COMPUTER SCIENCE

**Books Recommended:** Computer Science with Python by Preeti Arora

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
<b>June</b>	Python Programming Fundamentals	Students will be able to know the program	Text Book: Computer Science with Python by Preeti Arora  Ref. Book- Computer Science with Python by Sumita Arora  Link: <a href="https://www.python.org/downloads/">https://www.python.org/downloads/</a>	<b>Week 1:</b> Exercise	
				<b>Week 2:</b> Assignment -1	
				<b>Week 3:</b> Different Programming Concept	
				<b>Week 4:</b> Programming Exercise	
<b>July</b>	Getting Started with Python	Students will be able to know the Concept of Python Language	Text Book: Computer Science with Python by Preeti Arora Ref. Book- Computer Science with Python by Sumita Arora Link: <a href="https://www.python.org/downloads/">https://www.python.org/downloads/</a>	<b>Week 1:</b> Features of Python	
				<b>Week 2:</b> Advantages of Python	
				<b>Week 3:</b> Assignment-2	
				<b>Week 4:</b> Interacting with Python (Python IDLE)	
<b>August</b>	Computer System Organization  Conditional and	Students will be able to know the Concept Software and hardware Students will be able to	Text Book: Computer Science with Python by Preeti Arora  Ref. Book- Computer Science with Python by Sumita Arora	<b>Week 1:</b> Basic Components of Computer system	

	Looping Construct	know the Concept Software and hardware	Link: <a href="https://www.python.org/downloads/">https://www.python.org/downloads/</a>		
				<b>Week 2: Mobile System Organisation</b>	
				<b>Week 3: Decision Making</b>	
				<b>Week 4: Introduction to planning Assignment-3</b>	



**CLASS: XI**  
**Subject: BIOLOGY**

**Books Recommended:** NCERT Text Book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents )	Subject Enrichment Activity/ ART Integrated Activity
June	Biological classification	<ul style="list-style-type: none"> <li>. Need of classification</li> <li>. Knowing the earlier systems of classification.</li> <li>. Whittaker's five Kingdom classification</li> <li>. Kingdom - Monera, characteristics and classification with examples.</li> </ul>	NCERT Biology XI. Truman's Biology textbook. <a href="https://youtu.be/oZQFPPI9w4">https://youtu.be/oZQFPPI9w4</a> , <a href="https://youtu.be/sKTyk0P-ufQ">https://youtu.be/sKTyk0P-ufQ</a>	Week 1	
	Biological classification	<ul style="list-style-type: none"> <li>. Character of Kingdom - Protista.</li> <li>. Character and distribution of following - a. Chrysophytes b. Dinoflagellates c. Euglenoids d. Slime moulds</li> </ul>	NCERT Biology XI Truman's Biology <a href="https://youtu.be/PJEWyXF7u3k">https://youtu.be/PJEWyXF7u3k</a> <a href="https://youtu.be/1-sQBOQOLCM">https://youtu.be/1-sQBOQOLCM</a> <a href="https://youtu.be/3p1nFWLcZJs">https://youtu.be/3p1nFWLcZJs</a> <a href="https://youtu.be/P4m8XiTxqoU">https://youtu.be/P4m8XiTxqoU</a> <a href="https://youtu.be/K8HEDqoTPgk">https://youtu.be/K8HEDqoTPgk</a>	Week 2	
	Biological classification	<ul style="list-style-type: none"> <li>. Understanding the basic structure of fungus.</li> <li>. Knowing the differences between the four different classes of fungus.</li> <li>. Virus , Viroids and mycoplasma.</li> </ul>	NCERT Biology XI Truman's Biology <a href="https://youtu.be/VVuYGkk_I8s">https://youtu.be/VVuYGkk_I8s</a> <a href="https://youtu.be/gIEm3QV58Dw">https://youtu.be/gIEm3QV58Dw</a> <a href="https://youtu.be/8FqITsIU22s">https://youtu.be/8FqITsIU22s</a>	Week 3	
	Plant Kingdom	<ul style="list-style-type: none"> <li>. After completion of the chapter students will be able understand - a. The approaches of</li> </ul>	<a href="https://youtu.be/uzCuipEeuvQ">https://youtu.be/uzCuipEeuvQ</a>	Week 4	

		Artificial, natural, phylogenetic and numerical system of classification. b. Algae and it's different classes.			
<b>July</b>	Plant Kingdom	Students will learn about the structure of thallus, reproductive structure and methods of reproduction in Bryophytes, liverworts and mosses.  Students will be able to understand the terminology used for gymnosperm and angiosperm. They will be able to draw the life cycle and answer related questions.	NCERT Biology XI Truman's Biology <a href="https://youtu.be/FmBZGx8fkp0">https://youtu.be/FmBZGx8fkp0</a> <a href="https://youtu.be/2kY7uzeYWFc">https://youtu.be/2kY7uzeYWFc</a> <a href="https://youtu.be/KBhPYPYyU4">https://youtu.be/KBhPYPYyU4</a> <a href="https://youtu.be/HP21hIVJhWI">https://youtu.be/HP21hIVJhWI</a>	<b>Week 1</b> Explaining online the different parts of a gymnosperm and angiosperm plant available.	Collecting and preserving the different parts of a gymnosperm plant.
	Morphology of flowering plants.	After completion of the chapter the students will be able to understand the morphology of leaf, root, flower, placentation, aestivation and the related aspects.  They will be able to differentiate between different types of flowers on the basis of position of ovary. They can identify placentation found in different fruits.  They will be able to identify different modifications of stem and root.	NCERT Biology XI Truman's Biology <a href="https://youtu.be/6d6ijhAZw0Q">https://youtu.be/6d6ijhAZw0Q</a> <a href="https://youtu.be/1K_G4UXc3s0">https://youtu.be/1K_G4UXc3s0</a> <a href="https://youtu.be/E2hbjNCOYYw">https://youtu.be/E2hbjNCOYYw</a> <a href="https://youtu.be/NMqjO4cJizk">https://youtu.be/NMqjO4cJizk</a> <a href="https://youtu.be/SkapOA_AN98">https://youtu.be/SkapOA_AN98</a>	<b>Week 2</b> Collect different types of flowers and find out their aestivation. Visit your kitchen and observe the fruits and vegetables cut by your mother. Pay attention on the placentation.	Showing T.S of Okra and Citrus as hands on activity with students.
	Cell the unit of life.	On completion of the chapter students will be able to understand the importance of each and every organelle. They can differentiate	NCERT XI. Truman's textbook.  <a href="https://youtu.be/TJfPbtXmngs">https://youtu.be/TJfPbtXmngs</a>	<b>Week 3</b>	

		<p>between prokaryotic and eukaryotic cells.</p> <p>They will understand the utility of endomembrane system.</p> <p>They will be able to understand the role played by cytoskeleton in cilia and flagella movement.</p> <p>They will understand the different shapes of chromosomes and their differences.</p>	<a href="https://youtu.be/URUJD5NEXC8">https://youtu.be/URUJD5NEXC8</a>		
	<p>MCQ revision tests on completed chapters</p>	<p>Problem solving aptitude will increase. they will understand the pattern of questions</p>	<p>Fingertips of biology. Previous years question paper/ competitive question paper.</p>	<p><b>Week 4</b></p>	

August	<p>Cell cycle and cell division.</p> <p>1.cell cycle 2.M phase 3.Significance of mitosis</p>	<p>Understand the basic cell machinery involved in cell division.</p> <p>Students can understand the specific character of each stage as well as sub stages of mitosis.</p>	<p>NCERT Textbook Trueman's biology Lehninger's Chemistry</p> <p><a href="https://youtu.be/DwAFZb8juMQ">https://youtu.be/DwAFZb8juMQ</a> <a href="https://youtu.be/3CfvmWMzF2A">https://youtu.be/3CfvmWMzF2A</a></p>	<p>Week 1 Draw with color pencils the different stages of cell division.</p>	<p>Quiz and flashcards for students to identify the different stages with the help of statements or diagrams shown.</p>
	<p>Meiosis and significance of meiosis</p>	<p>Chromosome counting during different stages of mitosis.</p> <p>Understanding the significance of meiosis.</p>	<p>NCERT Textbook Trueman's biology</p>	<p><b>Week 2</b> Identification of different parts of the body by their type of cell division.</p>	
	<p>Breathing and exchange of gases.</p>	<p>Students will be able to identify the role of respiratory organs and mechanism of breathing, Exchange of gases.</p>	<p>NCERT Textbook Trueman's biology <a href="https://youtu.be/GD-HPx_ZG8I">https://youtu.be/GD-HPx_ZG8I</a> <a href="https://youtu.be/9VdHhD1vcDU">https://youtu.be/9VdHhD1vcDU</a></p>	<p><b>Week 3</b></p>	
		<p>Understanding the transport of gases, Regulation of respiration, Disorders of respiratory system</p>	<p>NCERT Textbook Trueman's biology <a href="https://youtu.be/BYGPkRFvzOc">https://youtu.be/BYGPkRFvzOc</a> <a href="https://youtu.be/KudrLakBgeU">https://youtu.be/KudrLakBgeU</a> <a href="https://youtu.be/qDrV33rZlyA">https://youtu.be/qDrV33rZlyA</a></p>	<p><b>Week 4</b> Learn to use Oximeter and take correct reading.</p>	<p>NEET previous years mcq tests.</p>

**CLASS: XI**  
**Subject: ACCOUNTANCY**

**Books Recommended:** NCERT Accountancy, Class-XI.  
D. K .Goel's Accountancy, Class XI (Reference Book)

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	<p><b>Unit-1:</b> <u>Theoretical Framework</u> <b>Introduction to Accounting</b></p> <p>1. Accounting concept, objectives, advantages and limitations, types of accounting information.</p> <p>2. Basic Accounting terms</p>	<p><b>Students will be able to-</b></p> <p>1. describe the meaning, significance, objectives, advantages and limitations of Accounting</p> <p>2. explain the various terms used in Accounting</p>	<p>NCERT ACCOUNTANCY XI.</p> <p><b>Reference Book:</b>D.K.GOEL's ACCOUNTANCY XI</p>	<p><b>Week 1:</b></p> <p>1. Identify the individual(s) and entities that use accounting information for their decision Making. Make a list of these users and classify them as internal or external users for an organisation.</p>	<p>Students will be given a transactions' list of a Sole Proprietorship firm to point out the Assets , Liabilities, Income, Expenditure and to arrange these items in a tabular format.</p>
	<p><b>Unit-1:</b> <u>Theoretical Framework</u> Theory base of Accounting</p> <p>1. Fundamental accounting assumptions and concepts.</p> <p>2. Basis of Accounting</p> <p>3. Accounting standards</p>	<p><b>students will be able to-</b></p> <p>1. state the meaning of fundamental accounting assumptions and their relevance in accounting.</p> <p>2. appreciate that accrual basis is a better basis of for depicting the correct financial position</p> <p>3. describe the various accounting standards</p>	<p>NCERT ACCOUNTANCY XI.</p> <p><b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI</p>	<p><b>Week 2</b></p> <p>Compare between IFS and Ind-AS and write your findings in a list.</p>	<p>Depict the Accounting concepts and conventions on a web chart.</p>

	<b>Unit-2:</b> <u>Accounting Process</u> 1. source documents and Voucher. 2. Accounting Equation	<b>Students will be able to -</b> 1. define the concept of Accounting equation. 2. explain the effect of a transaction on the assets, liabilities, Capital, revenue and expenses.	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week 3</b> 1. Identify and place the items of accounting equation in following groups : a)Assets b)Liabilities 2. chapter based problems to solve	students will make the format of Accounting Equation and explain the process of recording assets , liabilities , income and expenditure through screen sharing mode in computer.
	<b>Unit-2:</b> <u>Accounting Process</u> 1. Rule of Debit and Credit 2. Journal without GST Calculations	<b>Students will be able to-</b> 1. acknowledge the fact that recording of accounting transactions follows a double entry system. 2. describe the rule of debit and credit.	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI Video at youtube on golden Rule <a href="https://youtu.be/8sMTYivuCGI">https://youtu.be/8sMTYivuCGI</a>	<b>Week 4</b> 1. Compare between Traditional Approach of Accounting and Modern Approach of Accounting to record the transactions 2. they will solve topic based problems.	PowerPoint presentation of the rule of debit and credit as described under the Golden rule.
July	<b>Unit-2:</b> <u>Accounting Process</u> Journal including simple GST Calculations	Students will develop the understanding and skills of recording transactions in journals with GST Calculations	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week 1:</b> 1. Students will note down the GST Slab applicable for different commodities. 2. they will solve topic based problems.	Students will show the taxes merged into GST on a web chart.
	<b>Unit-2:</b> <u>Accounting Process</u> Ledger: Format, Posting from journal . Balancing of accounts.	<b>Students will be able to</b> 1. Prepare the format of ledger accounts 2. Post transactions from journal to ledger 3. balance the ledger accounts	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week-2</b> 1. Students will make notes on definition, features and benefits of ledger books. 2. they will solve topic based problems.	Students will prepare a list indicating the placement of opening balances of ledger accounts for Assets, Liabilities, Incomes and expenditures.

	<b>Unit-2:</b> <u>Accounting Process</u> 1. Trial Balance 2. Types of errors	<b>Students will be able to</b> 1. state the need and objective of preparing Trial balance. 2. identify the types of errors.	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week 3:</b> 1. students will make notes on definition, features and advantages of preparing Trial Balance. 2. they will solve topic based problems.	Students will be encouraged to prepare a mind map for the types of errors.
	<b>Unit-2:</b> <u>Accounting Process</u> 1. Revision for Journal, Ledger and Trial Balance.	<b>Students will strengthen the understanding of journal, Ledger and Trial Balance.</b>	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week-4:</b> Students will revise the conceptual questions and practice to solve problems on Journal, Ledger and Trial Balance.	Students will try to do memorization of concepts of these chapters through Mind Maps.
August	<b>Unit-2:</b> <u>Accounting Process</u> Cash Book	<b>Students will be able to:</b> 1. explain the purpose of maintaining a cash book. 2. develop the skill of preparing format of different types of Cash book 3. understand the method of recording cash transactions in a cash book.	NCERT ACCOUNTANCY XI. <b>Reference Book:</b> D.K.GOEL's ACCOUNTANCY XI	<b>Week 1:</b> 1. Students will compare cash A/C and Cash book and note down their findings in note book 2. they will prepare notes on definition, and advantages of a cash book. 3. they will solve topic based problems.	Students will make a chart showing the format and the place the common transactions are posted to the ledger book. this will strengthen their concept of the topic.
	<b>Unit-2:</b> <u>Accounting Process</u> Purchase Book, Sales Book, Purchase Return Book, Sales Return Book, Journal Proper	<b>Students will be able to:</b> 1.			

**CLASS: XI**  
**Subject: BUSINESS STUDIES**

**Books Recommended:** NCERT Text book Business Studies. (CLASS - XI)  
Reference Book - Poonam Gandhi (Global Publication Pvt. Ltd.) (CLASS - XI)

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
JUNE	<b>CHAPTER-1</b> NATURE AND PURPOSE OF BUSINESS: 1.History of Trade and Commerce in India. 2..Business - Meaning and Characteristics. 3.Classification of Business activities..	<b>THE LEARNER :</b> <ul style="list-style-type: none"> <li>appreciates the development of trade in the historical past.</li> <li>Understand the meaning of business with special reference to economic and non economic activities.</li> <li>Understand the broad categories of business activities - Industry and Commerce.</li> </ul>	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book. <a href="https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_313080230084214784114288">https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_313080230084214784114288</a> .	<b>Week 1:</b> <b>THEME:</b> Economic and Non Economic Activities.  <b>ACTIVITY:</b> <ul style="list-style-type: none"> <li>Use of Concept map with the learners</li> <li>Use the following link for a concept map.</li> <li><a href="https://youtu.be/hWBVbpAVUWE">https://youtu.be/hWBVbpAVUWE</a></li> <li>Instruct them to read the concept map for about 10 minutes.</li> </ul>	<b>Discussing the following topics with them:</b> <ul style="list-style-type: none"> <li>Characteristics of businesses and economic activity.</li> <li>Objectives of business</li> <li>Classification of Industry ,trade and auxiliaries to trade.</li> <li>Instruct Learners to attempt knowledge by using this art integration link.</li> <li><a href="https://youtu.be/DuM9LYCrOjA">https://youtu.be/DuM9LYCrOjA</a>.</li> </ul>
	<b>CHAPTER -1</b> NATURE AND PURPOSE OF BUSINESS: <ul style="list-style-type: none"> <li>Business, Profession Employment</li> <li>Industry Type - Primary,Sec</li> </ul>	<b>THE LEARNER :</b> <ul style="list-style-type: none"> <li>will understand the concept of business, profession and employment.</li> <li>Describe the</li> </ul>	1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.	<b>Week 2:</b> <b>THEME:</b> Starting your own business: <ul style="list-style-type: none"> <li>Share the resources</li> <li><a href="https://h5p.org/node/50230/feedme=nps">https://h5p.org/node/50230/feedme=nps</a>) with learners.</li> </ul>	<b>Evaluation</b> <ul style="list-style-type: none"> <li>What occupation can they think of?</li> <li>Are learners able to differentiate between-</li> </ul>



	<p>secondary, Tertiary meaning subgroups.</p> <ul style="list-style-type: none"> <li>Business Risk - Concept.</li> </ul>	<p>various types of industries.</p> <ul style="list-style-type: none"> <li>Understand the concept of risk as a special characteristic of business.</li> <li>Examine the nature and causes of business risks.</li> </ul>		<ul style="list-style-type: none"> <li>Encourage them to complete the exercise by identifying the business woman covered in the e-resources by surfing the internet. There is no limit to complete the task. Let the learners do the assignment at their own pace..</li> </ul>	<ul style="list-style-type: none"> <li>Self owned work/self employment.</li> <li>Now go to page number 11 of the text book and discuss the content with the learners. Try it yourself at page 11 of the Textbook. Instruct learners to read the text by themselves and raise queries.</li> </ul>
	<p><b><u>CHAPTER -2</u></b> FORMS OF BUSINESS ORGANISATION S:</p> <ol style="list-style-type: none"> <li>Sole Proprietorship</li> <li>Partnership</li> <li>Hindu Undivided Family</li> </ol>	<p><b><u>THE LEARNER</u></b></p> <ol style="list-style-type: none"> <li>List the different forms of business organizations and understand their meaning.</li> <li>Explain the concept, merits and limitations of sole proprietorship.</li> <li>Concept, merits, limitations types of partnership and types of partners.</li> <li>Concept of Hindu Undivided family business.</li> </ol>	<p><b><u>[SOURCE]</u></b></p> <ol style="list-style-type: none"> <li>NCERT Text book Business Studies.</li> <li>Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.</li> </ol>	<p><b><u>Week 3:</u></b></p> <ol style="list-style-type: none"> <li>Prepare the specimen of Partnership deed.</li> <li><a href="https://diksha.gov.in/play/collection/do_3129846707479347201143?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3129846707479347201143%26utm_campaign%3Dshare_content&amp;contentId=do_312954863051292672118">https://diksha.gov.in/play/collection/do_3129846707479347201143?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3129846707479347201143%26utm_campaign%3Dshare_content&amp;contentId=do_312954863051292672118</a>.</li> </ol>	<p><b><u>EVALUATION/ ASSESSMENT:</u></b></p> <ol style="list-style-type: none"> <li><a href="https://youtu.be/7XDmDQ0M3oA">https://youtu.be/7XDmDQ0M3oA</a></li> <li>Through the above link the learner can get a clear view about the forms of business and the services provided by the organizations.</li> </ol>
	<p><b><u>CHAPTER -2</u></b> FORMS OF BUSINESS ORGANISATIONS:</p> <ol style="list-style-type: none"> <li>Cooperative Societies</li> <li>Company</li> <li>Choice of form of</li> </ol>	<ol style="list-style-type: none"> <li>Concepts, merits, limitations of cooperative societies.</li> <li>Understand the concept of consumers, producers, marketing, farmers, credit and housing</li> </ol>	<p><b><u>[SOURCE]</u></b></p> <ol style="list-style-type: none"> <li>NCERT Text book Business Studies.</li> <li>Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.</li> </ol>	<p><b><u>Week 4:</u></b></p> <ol style="list-style-type: none"> <li><a href="https://youtu.be/nzRi-I1MYHw">https://youtu.be/nzRi-I1MYHw</a>.</li> <li>Highlight the stages in the formation of a company.</li> <li>Factors that influence the</li> </ol>	<ol style="list-style-type: none"> <li>Power presentation on various forms of business organizations.</li> <li>Specimen of Certificate of Incorporation of a Private company.</li> <li></li> </ol>

	Business organization.	cooperative societies. 3. Concept, merits, limitations of private and public companies. 4. Important documents used in the various stages in the formation of a company. 5. Factors that influence the choice of a suitable form of business organizations.		choice of a suitable form of business organizations.	
<b>JULY</b>	<b>CHAPTER - 3</b> <b>PUBLIC, PRIVATE AND MULTINATIONAL COMPANY:</b>  1. Public sector and Private sector enterprises - Concept 2. Forms of Public Sector enterprises.	<b>THE LEARNER</b> <ul style="list-style-type: none"> <li>Develop an understanding of public sector and private sector.</li> <li>Features, merits and limitations of different forms of public sector enterprises.</li> </ul> 6	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2. Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.	<b>WEEK-1.</b> <a href="https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307121009707417611753">https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307121009707417611753</a>	1. Case Study on any Government company where 51% capital of the company is contributed by government and rest in the hands of private company.
	<b>CHAPTER - 3</b> <b>PUBLIC, PRIVATE AND MULTINATIONAL COMPANY:</b>  1. Multinational Company 2. Joint ventures 3. Public Private Partnership.	<b>THE LEARNER</b> Developed an understanding of multinational companies, joint ventures and public private partnership by studying their meaning and features.	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2. Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.	<b>WEEK - 2:</b> 1. <a href="https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307116">https://diksha.gov.in/play/collection/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307116</a>	1. Power point presentation unchanging role of public sector units. 2. Names of some famous public enterprises of INDIA and the activities performed by them. 3. Examples of some famous PPP (Public

				<a href="https://www.diksha.gov.in/play/collec tion/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobil e%26utm_cont ent%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307188700609740811581">779443814411697</a>	Private Partnership).
	<b>CHAPTER -4</b> <b>BUSINESS SERVICES:</b> 1.Business services - Meaning and types 2.Banking services with particular reference to bank draft, overdraft, cash credit.	<b>THE LEARNER</b> 1.Understand the meaning and types of business services. 2.Discuss the meaning and types of business service banking. 3.Develop an understanding of different types of bank accounts.	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.	<b>WEEK -3:</b> <a href="https://diksha.gov.in/play/collec tion/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobil e%26utm_cont ent%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307188700609740811581">https://diksha.gov.in/play/collec tion/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobil e%26utm_cont ent%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_31307188700609740811581</a>	1.Homework/Assignments. 2.NCERT back exercise is given as hometask 3.Questions taken in class were also asked to solve.
	<b>CHAPTER -4</b> <b>BUSINESS SERVICES:</b> 1.Insurance - Principles types - life ,health,fire and marine insurance concept 2.Postal services - mail,registered post,parcel, speed post,courier.	<b>THE LEARNER:</b> 1.Recall the concept of insurance 2.Understand utmost good faith,insurable interest,doctrine of subrogation and causa proxima as principles of insurance. Understand the utility of different telecom services.	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book. <a href="https://youtu.be/7XDmDQ0M3oA">https://youtu.be/7XDmDQ0M3oA</a>	<b>WEEK4</b> <a href="https://diksha.gov.in/play/collec tion/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobil e%26utm_cont ent%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_3130718891472404481136">https://diksha.gov.in/play/collec tion/do_31307360994390835212691?referrer=utm_source%3Ddiksha_mobil e%26utm_cont ent%3Ddo_31307360994390835212691%26utm_campaign%3Dshare_content&amp;contentId=do_3130718891472404481136</a>	1.Powerpresentation on various insurance policies.
<b>AUGUST</b>	<b>CHAPTER - 5</b> <b>EMERGING MODES OF BUSINESS</b> 1 .E-BUSINESS CONCEPT, SCOPE AND BENEFITS.	<b>THE LEARNER</b> <b>1.</b> Meaning of e-business 2.Appreciate the benefits of e-business..	<b>[SOURCE]</b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book. <a href="https://youtu.be/1pJKyEnges">https://youtu.be/1pJKyEnges</a>	<b>WEEK-1:</b> 1.HOTS (Higher order thinking skills ) based questions taken up in the class. 2.Identification of the e-business models and their payments mechanisms.	1.Homework/Assignments. 2.NCERT back exercise is given as hometask 3.Questions taken in class were also asked to solve.

	<p><b><u>CHAPTER - 5</u></b> EMERGING MODES OF BUSINESS PROCESS OUTSOURCIN G</p>	<p><b><u>THE LEARNER</u></b> 1.Understand the concept of outsourcing 2.Meaning of Business process outsourcing and knowledge process outsourcing</p>	<p><b><u>[SOURCE]</u></b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book.</p>	<p><b><u>WEEK-2:</u></b> 1.Class works study materials will be provided to the students through class whatsapp group. 2.Through e pathshala app and diksha app learning videos will be shown to the students ..</p>	<p>1. Homework/Assig nments. 2.NCERT back exercise is given as hometask 3.Questions taken in class were also asked to solve.</p>
	<p><b><u>CHAPTER-6</u></b> SOCIAL RESPONSIBIL ITY OF BUSINESS AND BUSINESS ETHICS: 1.Case of social responsibility 2.Responsibility towards owners,investor s,consumers,em ployees,govern ment.</p>	<p><b><u>THE LEARNER</u></b> 1.Examine the case for social responsibility 2.Identify the social responsibility towards different interest groups.</p>	<p><b><u>[SOURCE]</u></b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book. <a href="https://youtu.be/HtfFhprMcJ">https://youtu.be/HtfFhprMcJ</a></p>	<p><b><u>WEEK-3:</u></b> Methodology/In novative methods : Discussion,Reca ll,Explanation,q uestion answer method.</p>	<p>1.1.Homework/A ssignments. 2.NCERT back exercise is given as hometask 3.Questions taken in class were also asked to solve 4.Case studies taken in the class were also asked to solve.</p>
	<p><b><u>CHAPTER-6</u></b> SOCIAL RESPONSIBIL ITY OF BUSINESS AND BUSINESS ETHICS 1.Role of business in environment protection 2.Business ethics - concept and elements</p>	<p>1.Appreciate the role of business in environment protection. 2.State the concept of business ethics and the elements of business ethics.</p>	<p><b><u>[SOURCE]</u></b> 1. NCERT Text book Business Studies. 2.Poonam Gandhi (Global Publication Pvt. Ltd.) reference book. <a href="https://youtu.be/Lfou_zWvXQ">https://youtu.be/Lfou_zWvXQ</a></p>	<p><b><u>WEEK-4:</u></b> 1.Develop and put in writing a code of ethics for use in the classroom. 2.Choose a company and prepare a report on Corporate social responsibility undertaken by it.</p>	<p>1.1.Homework/A ssignments. 2.NCERT back exercise is given as hometask 3.Questions taken in class were also asked to solve 4.Case studies taken in the class were also</p>

## CLASS: XI

### Subject: PHYSICAL EDUCATION

#### Books Recommended:

1. *Physical Education by Dr. Jogiswar Goswami*
2. *Health and Physical Education by Dr. V. K. Sharma*

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	<b>Chapter I</b> <b>Changing Trends and Career in Physical Education</b> *Definotion, aim & Objectives of Physical Education. *Carrer option in physical Education	Students can get knowledge about what is physical education its aim & objectives and several career options relating to this subject.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication  2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	<b>Week 1:</b> students should enlist the Career options as per their interest in those careers.	Students should write about the development of different aspects like- Physical, Mental, emotional, Intellectual ,neuro-muscular developmentet c.
	*Competitions in various Sports at National and international Level. *Khelo-India Programme	Students learn about the Khelo India Programme implemented by the Central Government and its aim and features.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication  2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	<b>Week 2-</b> students have to write the different objectives of Khelo India Programme in chart paper.	As per the sports name they have to categorisedin National level and International level tournament.
	<b>Chapter II</b> <b>Olympic Value Education</b> *Ancient & Modern Olympics *Paralympics & Special Olympic Bharat	Students get detail knowledge about the history of ancient Olympic & Modern Olympics. Also learn about the Pralympics and Special Olympic Bharat	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication  2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	<b>Week 3-</b> Students have to write the differences between the Ancient and Modern Olympics Participation rules and awards.	Practical-! Labelled diagram of 400mTrack and field with Computations.

	<p>*Olympic Symbols, Ideals, Objectives and Values of Olympism</p> <p>*International Olympic Committee</p> <p>*Indian Olympic Association</p>	<p>1.Students able to understand about the Olympic symbols, ideals and objectives</p> <p>2.They also learn about the values of the Olympism.</p> <p>3.They get knowledge that International Olympic Committee and Indian Olympic Association &amp; its function.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p><b>Week 4</b></p> <p>They have to differentiate between the functions of International Olympic Committee and Indian Olympic Association.</p>	<p>Students have to explain that hoe Olympic Values not only shown in Olympics but also it reflects in others national and international tournament also.</p>
July	<p><b>Chapter III,</b></p> <p>Physical fitness, Wellness And Lifestyle</p> <p>*Meaning &amp; Importance of Physical Fitness, Wellness and Lifestyle.</p> <p>*Components of physical fitness and wellness.</p>	<p>Students can learn about the need and importance of Physical fitness, wellness and positive lifestyle in our life to be fit and fine.</p> <p>They can also learn about the components of Physical fitness and wellness.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p><b>Week 1</b></p> <p>Students have to write point heading with brief explanation about the importance of physical fitness and wellness.</p>	
	<p>*components of Health related fitness</p> <p><b>Chapter IV</b></p> <p><b>Physical Education and Sports for CSWN</b></p> <p>*Aims and Objectives of Adaptive physical education</p> <p>*Organisation promoting adaptive sports(Special Olympic Bharat, Paralympics and</p>	<p>1. Students able to understand what are the requirements of Children With Special needs and how Physical activities help them to have a fit and healthy life.</p> <p>2. Students learn about the different types of organizations which are helping to promoting the</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p><b>Week 2</b></p> <p>Write Point wise explanation how Physical education is helpful in promoting the life activity of children with special needs.</p>	<p>1.Make a note that Which organizations are helpful in which categories of disable children in promoting their life.</p> <p>1. As per the disability of children which kinds of sports they organized for motivating them in life.</p>

	Deaflympics)	Adaptive education.			
	<p>*Concept of Inclusion, its need and implementation.</p> <p>*Role of various professionals for children with special needs ( Counsellor, occupational therapist, physiotherapist, physical education teacher, speech therapist and special educators)</p>	<p>1. Students able to understand the inclusion in education process&amp; how it beneficial for the Divyang students.</p> <p>2. They also learn about how various professionals help the special children.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication <a href="https://youtu.be/8HP_h4RoV63s">https://youtu.be/8HP_h4RoV63s</a></p>	<p><b>Week 3</b></p> <p>Students should write about the measures to be considered to facilitate inclusive education successfully.</p>	<p>Briefly discussion on the roles of various professional like Physiotherapist , Physical education teacher, Counsellor etc in improvement of Special Children.</p>
	<p><b>Chapter V</b></p> <p><b>Yoga</b></p> <p>*Introduction to Yoga</p> <p>*meaning &amp; importance of Yoga</p>	<p>Students gather knowledge about the Yoga and its importance in your daily life.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication <a href="https://youtu.be/LuF_Aty7olcQ">https://youtu.be/LuF_Aty7olcQ</a></p>	<p><b>Week 4</b></p> <p>Students should write about the importance of Yoga in our daily life as most of us use to lead sedentary lifestyle and make their family members and neighbours aware of that fact.</p>	<p>Practical 2</p> <p>Pictorial presentation of any five asanas for improving concentration.</p>
<b>August</b>	<p>*Elements of Yoga - Asanas, Pranayama, Meditation,&amp; Yogic Kriyas</p> <p>*Yoga for concentration and related asanas</p>	<p>1. Students able to understand that Yoga is a vast term and there are several elements of Yoga like Asana, Pranayama, Pratyahara, dhyana, Dharana , Samadhi &amp; Yogic Kriyas. All of these have separate practice method.</p> <p>2. Students also learn that to increase Concentration</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p><b>Week 1</b></p> <p>Students should practice daily basis at least 1 hour asanas, pranayama and yogic kriyas for their physical purity, to clean internal organs &amp; systems and moreover the peace of mind.</p>	<p>Students have to perform some contractionrelated asanas like Sukhsana, Tadasana, Padmasana, Sha shankasana, vrikshasana etc. to increase their contraction level or memory power.</p>

		power how asanas are very much helpful.			
	<p>*Relaxation techniques for improving concentration- Yognidra</p> <p><b>Chapter VI</b></p> <p><b>Physical Activity and Leadership Training</b></p> <p>*Leadership qualities and role of a leader.</p>	<p>1. Students get knowledge about the relaxation techniques step by step.</p> <p>2. students able to understand what are the qualities a leader should have and the role of a Leader.</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p> <p><a href="https://youtu.be/6usugKQOiqM">https://youtu.be/6usugKQOiqM</a></p>	<p><b>Week 2</b></p> <p>Students should write in a chart paper about the qualities of a Leader as per the priority basis &amp; they should make the caption in colour.</p>	<p>Power point presentation of relaxation technique step by step so that everyone can see the pictorial presentation.</p>
	<p>*Creating Leaders through physical education.</p> <p>*Meaning and Objectives of Adventure Sports.</p>	<p>1. Students learn how physical education helps in making Leaders through physical education.</p> <p>2. Students get knowledge about the Adventure sports and its objectives.</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p><b>Week 3</b></p> <p>List down point wise that physical education increases the Leadership qualities among students.</p>	
	<p>*Types of Adventure Sports – Rock climbing, Trekking, River rafting, Mountaineering, surfing &amp; Paragliding.</p> <p>*Safety measures to prevent sports injuries.</p>	<p>1. Students get detail knowledge about the different types of Adventure sports and the procedure to do this Adventure sports.</p> <p>2. Students also learn about the safety measures to prevent the sports injuries.</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p> <p><a href="https://youtu.be/TEwZBPlyRLQ">https://youtu.be/TEwZBPlyRLQ</a></p>	<p><b>Week 4</b></p> <p>Students have to write the safety measures according to the different types of Adventures sports.</p>	<p>Slide presentation of different types of adventure sports with picture and their safty measures.</p>



**CLASS: XI**  
**Subject: ECONOMICS**

**Books Recommended:** NCERT Text Book, Sandeep Garg, V.K.Ohri

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	Introduction to Microeconomics	Students will understand the basic concept of Micro economics and how it is applicable to real life.	NCERT text book. <a href="https://www.youtube.com/watch?v=0U3hqXN6Wv4">https://www.youtube.com/watch?v=0U3hqXN6Wv4</a> <a href="https://www.youtube.com/watch?v=CcRaQ8dB9Y8">https://www.youtube.com/watch?v=CcRaQ8dB9Y8</a>	<b>Week 1:</b> Read the concepts of basic microeconomics.	
	Introduction to statistics.	Students will get the idea of the use of statistics in economics and also they will come to know about the different definitions of economics.	NCERT text book <a href="https://www.youtube.com/watch?v=xTgA2-xzWPI">https://www.youtube.com/watch?v=xTgA2-xzWPI</a>	<b>Week 2</b> They will get the information regarding the use of statistics and its different definitions.	
	Consumer's Equilibrium	Students will get the concept of the consumer and how a consumer can reach the equilibrium situation through consumption of different commodities.	NCERT text book <a href="https://www.youtube.com/watch?v=yZhBYbnA64k">https://www.youtube.com/watch?v=yZhBYbnA64k</a>	<b>Week 3</b> Try to get different examples by which we can relate the concept of utility. Also they will draw the diagrams of relationships of TU and MU.	
	Collection of data	Students will come to know about the different types of data and different methods of data collection.	NCERT text book <a href="https://www.youtube.com/watch?v=n7O8KIEHITw">https://www.youtube.com/watch?v=n7O8KIEHITw</a>	<b>Week 4</b> Prepare a questionnaire.	
July	Collection of data	Students will come to know about the merits and demerits of different methods	NCERT text book <a href="https://www.youtube.com/watch?v=qn_GgcXL75Y">https://www.youtube.com/watch?v=qn_GgcXL75Y</a>	<b>Week 1</b> Make a report on the questionnaire on any topic of your choice.	

		of data collection. Also they will come to know about the functions of NSSO and Census method and Sampling methods.			
	Demand	Students will know the difference between Demand, Desire and Wants. Also they will come to know about the factors that affect the Demand of individuals and the market.	NCERT text book <a href="https://www.youtube.com/watch?v=ZsOAIJyaH4s">https://www.youtube.com/watch?v=ZsOAIJyaH4s</a>	<b>Week 2</b> Relate the factors that affect the demand of individuals and markets in our real life.	
	Demand	Students will come to know about the changes in the demand curve due to changes in different factors.	NCERT text book <a href="https://www.youtube.com/watch?v=ScOdg-0MDew">https://www.youtube.com/watch?v=ScOdg-0MDew</a>	<b>Week 3</b> Draw the diagrams of demand curves due to changes in different factors.	
	Organisatio n of data	Students will get the ideas of how raw data can be organised in a grouped maner and also how the data can be represented easily.	NCERT text book	<b>Week 4</b> Prepare some data in arranged order and calculate the frequency.	
<b>August</b>	Organisatio n of data	Students will get the idea of mid-points and how to convert the data from inclusive to exclusive series, also how to calculate class interval from mid-points.	NCERT text book	<b>Week 1</b> Questions are given from the exercise.	
	Demand	Students were able to ask different questions on the topic. Also they will clear doubts	NCERT text book	<b>Week 2</b> Draw the shifting of the different demand curves and movements along	

		on different topics through different activities and case studies.		the demand curve due to the changes in the factors of demand.	
	Demand	Slope of demand curve and its related applications to be discussed in the class.	NCERT text book	<b>Week 3</b> Students were asked to determine the changes in the slope of the demand curve.	
	Collections of Data	Students will get a brief overview about different types of data and different methods of collecting those data.	NCERT text book	<b>Week 4</b> Students were asked to solve questions from exercise.	

**CLASS: XI**  
**Subject: HISTORY**

**Books Recommended: NCERT Text Book**

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	Writing and City Life-- Mesopotamia. Introduction of the chapter.	Students will understand that writing is significant as a marker of civilization. Students will come to know the nature of early urban centre as a trading zone, an imperial city, where temples played a great role.	ncert Text Book, Epaathshala.	<b>Week1:</b> Map Skill-Locate and label Mountains, Steppe, Desert,Irrigated Zone of the South on the map of Mesopotamia.	Timeline of Four different Empires of Mesopotamia.
	Geographical location, significance of Urbanism, Efficient transport.	Students can compare the transformation from Neolithic to Bronze Age Civilization. Students can understand the spheres of human development.	ncert Text Book.	<b>Week 2 :</b> Discussion on 'use of metals'- Whether city life would have been possible without the use of metals.	
	The development, system & uses of writing & legacy of writing & literacy rate.	Students can analyze the outcomes of writing.	ncert Text Book.	<b>Week 3:</b> Highlight the Uses of Writing until the first century CE.	Draw the Clay Tablet with 'Cuneiform' signs.
	Role of Temples and Kings in Southern Mesopotamia.Relati		ncert Text Book. Epaathshaala. Emmanuel Mission Senior Secondary School-you tube.com	<ul style="list-style-type: none"> <li>● <b>Week 4:</b> Use of Concept Map with the learners.</li> <li>● Flow Chart on 'Early Library' &amp; 'Early</li> </ul>	Make a model of Mesopotamian Cylindrical Seal & describe the impressions of Seal.

	on between farmer & pastoralists & the use of Seal.			Archaeologist'. ● Question-answers discussion by the teacher.	
<b>July</b>	An Empire Across Three Continents. Roman Empire, 27BCE to 600CE.	Students can relate the dynamics of the Roman Empire--they will understand the significance of the statement 'Rome was not built in a day'. (a) Political evolution. (b) Economic expansion.	ncert Text Book. youtube.com.	<b>Week 1:</b> Map skill-Locate and label the territories of Roman Empire. ● Make a chart on Sources of Roman Empire.	Concept Map-Show that Slavery was the greatest investment in the economy.
	(c) Religio-Cultural Foundation. (d) Late antiquity	Students can identify the factors of cultural transformation in that period.	ncert Text Book.	<b>Week 2:</b> Students will note down the features of Social Hierarchies of Roman Empire.	Concept Map-Show the legal position of women in the Roman Empire which was quiet strong, that women hardly enjoy even in many present countries.
	Process of decline of Roman Empire.	Students can be enlightened about the significance of 'Democracy'.		<b>Week 3:</b> Through Epaathshaala app learning videos will be shown to the students. Question-answers will be provided through class Whatsapp group.	Students will prepare Power Point Presentation on Roman Empire.
	The Central Islamic Lands-7th to 12th century.(a) Polity.	Students will come to know the elements of Islamic Empires in the Afro-Asian territories and its Administrative measures and political extension.	ncert Text Book. Youtube.com	<b>Week 4:</b> Students will instruct to reveal the life history of Prophet Muhammad.	Draw the tree of the rise of Islam in Arabia. Concept Map on the rise of Caliphate and Sect Formation.
	Break-up of the Caliphate.	Students will understand the circumstances to build up Sultanates in Islamic lands.	ncert Text Book. Youtube.com	<b>Week 5:</b> Students will make notes on 'Fatimid Caliphate' & 'Turkish Sultanate'.	

<b>August</b>	Crusade, Economy, Culture.	Students will understand the meaning of 'Crusade' which left a lasting impact on Christian-Muslim relations.		<b>Week1:</b> Students will ask to find out the greatest contribution of the Muslim World to medieval economic life.	Draw a cycle diagram on the development of cultural life of the people.
	Chapter-The Three Orders. Western Europe-13th to 16th century.	Students will familiarize with the Feudal Society. Students will be able to understand the changing relationships between three orders was an important factor in shaping European history for several centuries.	ncert Text Book. Youtube.com	<b>Week 2:</b> Map skill-Locate and label the western Europe.	Draw a flow chart of the Three Estates of France of the late 18th century.
	Formation of Manorial Estate, Church and Society.	Students will be able to understand the concept of 'Manorial Estate' and the influence of the Church on medieval European society.		<b>Week 3:</b> Students will prepare a questionnaire on it.	
	Cathedral-towns, Crisis of the 14th century.	Students will be able to understand the meaning of Cathedral-towns and to be aware of the crisis of 14th century Europe.		<b>Week 4:</b> Study materials will be provided to the students. ● MCQ test will be taken.	

## CLASS: XI

### Subject: POLITICAL SCIENCE

#### Books Recommended: NCERT Text Book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
<b>JUNE</b>	<p>Book 1- Constitution- Why and How? Constitution as a Living Document &amp; The Philosophy of the Constitution.</p> <p>Book 2- a) Political Theory. b) Freedom Functions of Constitution and Authority of Constitution.</p>	<p>Students will understand that the administration of each State is run in accordance with certain rules and regulations and carry principles and change with the environment. Students can understand the Political Reality and Scientific Explanation of Political Events. They can understand that Freedom is immunity from interference.</p>	<p>ncert Text Book. Examrace.you tube.com. Unacademy.com Competitive World Knowledge-you tube.com.</p>	<p><b>Week 1:</b> Rajat asked his teacher-The Indian Constitution is a seventy year old, therefore, outdated book. No one took my consent for implementing it. It is written in such tough language that I cannot understand. Tell me why should I obey this document? If you were the teacher, how would you answer? 'Liberty is absolute'--Do you agree? If not, why?</p>	
	<p>Procedures to make the Constitution Dynamic and Philosophy of the Constitution.</p>	<p>Students will be able to understand the amendment procedures and political philosophy of the Constitution which are committed to build a common national identity.</p>	<p>ncert Text Book, Examrace. you tube.com, Unacademy.com, Competitive World Knowledge-you tube.com.</p>	<p><b>Week 2:</b> Give the meaning of mutual exclusion of State and Religion and what is the purpose behind strict separation.</p> <ul style="list-style-type: none"> <li>● If amending power is with the elected representatives, judiciary should NOT have the power to decide the validity of amendments. Do you agree? Give your reasons.</li> </ul>	

	Political Theory-- Definition of Politics and Political Theory.	Students can understand the significance of political theory. They can judge that 'Is Politics really dirty politics or a part of life?'		<b>Week 3:</b> Vigilant citizens are a must for the successful working of a democracy- Comment.	
	Freedom/Liberty-True meaning, relation between freedom for the individual and freedom for the nation.	Students will come to know the true meaning of freedom of expression and the utility of reasonable restrictions.		<b>Week 4:</b> A Debate will be held on the topic, 'Social constraints are necessary to enjoy freedom'.	
<b>JULY</b>	Chapter-Equality. Contents- Natural and Social Inequalities. Three dimensions of Equality.	Students will come to know about a moral and political ideal which has guided human society for many centuries. They will be able to understand that change in thinking is required to bring equality in society.		<b>Week 1:</b> Give your opinion on the following situations- a) Working women should receive maternity leave. b) A School should spend money to buy special equipment for three visually challenged students.	
	Principles and policies to promote equality.	Students can know the ideals like equality through differential treatment, affirmative action, right to equal consideration.		<b>Week 2:</b> Difference between Equal Rights, Equality of Opportunity and Affirmative Action.	
	Chapter- Election and Representation. Content- Relation between Democracy and Election.	Students will learn the necessity of representation in a large democracy, about the Election System of India, adoption of FPTP system, STV system etc.		<b>Week 3:</b> Students will write the significance of FPTP system in the context of India. <ul style="list-style-type: none"> <li>● A Debate will be held on the topic- 'Separate Electorates or Reservation of Constituencies- Which system is better to ensure</li> </ul>	



				fair and just representation to the oppressed social groups’.	
	True Test of any Election System.	Students will learn about the importance of impartial and transparent election system.		<b>Week 4:</b> Students will suggest the measures of that system of election which must allow the aspirations of the voter to find legitimate expression through the electoral results.	
	Amendment of the year 1989, Restrictions regarding Right to contest in the election. Independent Election Commission-Composition, Functions.	Students will know the meaning of comparison of Universal Adult Franchise with an Elephant, in our country. Students will know about Article 324.		<b>Week 5:</b> Students will write all those difficult situations which faced by Election Commission during State Assembly Election.	
<b>AUG UST</b>	Chapter- Election and Representation and Legislature. Content- Electoral Reforms. Need of Parliament.	Students will know the reformative measures to ensure free and fair election.		<b>Week 1:</b> Students, as a future citizen, will give the suggestive measures for free and fair festival of democracy in their country. Students will keep their point of view on this question- what would happen if there are no legislatures?	
	Newspaper Reports of maintaining control over the Executive by the Parliament of India.	Students will learn how does the Parliament control over the Executive.		<b>Week 2:</b> Map skill- States with the Second Chamber of Legislature.	

	Two Houses of Parliament.	Students will learn the need of Bicameral Legislature, Composition of Lok Sabha & Rajya Sabha, Difference between the two Houses, Bicameralism in Germany.		<b>Week 3:</b> Students will write the significance of Lok Sabha. Students will comment on the following topic--- “The composition of Rajya Sabha has protected the position of the States of India”.	
	Functions of Parliament & Procedure of Making Law.	Students will be able to know the Legislative, Financial, Constituent, Electoral, Judicial, Debating functions of Parliament and various types of bill and stages of procedure of making Law.		<b>Week 4:</b> Students will make a flow chart on types of Bills. Solve the meaning of, Approval and Ratification of laws, No Confidence Motion, Walkout etc.	
<b>SEPT EMB ER</b>	Functions of the Committees of Parliament and Anti-Defection Law.	Students will come to know about the Committee System which has reduced the burden of the Parliament. They will know about the 91st Amendment of the Constitution.		<b>Week 1:</b> Students will instruct to watch the live telecast of the proceedings of the Parliament and after that they will keep their view on, that, our Parliament is truly a rainbow of colourful dresses, on the floor of the class.	

**CLASS: XI**  
**Subject: GEOGRAPHY**

**Books Recommended:** NCERT Text Book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
JUNE	<p><b>Fundamentals of Physical Geography.</b></p> <p><b>Chapter -1: Geography as a Discipline</b></p>	<p><b>Students will be able to:</b> Explain the nature of geography.</p> <p>Describe geography as an interdisciplinary subject.</p> <p>Establish the relationship of geography with other subjects.</p> <p>Identify branches of geography.</p> <p>Classify geography on the basis of systematic and regional approach.</p> <p>Appreciate the importance of physical geography.</p>	<p>Textbook: <a href="https://ncert.nic.in/textbook.php?kegy2=1-16">https://ncert.nic.in/textbook.php?kegy2=1-16</a></p> <p>Video: <a href="https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/580da88816b51c68cd310d3b">https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/580da88816b51c68cd310d3b</a></p> <p>Video: <a href="https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313068385605312512111044">https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313068385605312512111044</a></p> <p>Question and Answer: <a href="https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313076652314198016111193">https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313076652314198016111193</a></p> <p>NCERT Official: <a href="https://www.youtube.com/watch?v=JKSh3DKfY9k">https://www.youtube.com/watch?v=JKSh3DKfY9k</a></p>	<p><b>Week 1:</b> The class will be initiated by a discussion on primitive societies and people's interaction with the natural environment.</p> <p>Students will prepare a short note on the life of people living in different regions of India to find out relation of geography as a Spatial Science, interrelationship with other subjects.</p> <p>Pictures related to climate change, forest fires, natural disasters, etc., may be used to discuss the importance of physical geography.</p>	<p>Select forest as a natural resource. (i) Prepare a map of India showing the distribution of different types of forests. (ii) Write about the economic importance of forests for the country. (iii) Prepare a historical account of conservation of forests in India with focus on Chipko movements in Rajasthan and Uttaranchal.</p>
	<b>India – Physical Environment</b>	<b>Students will be able to:</b>	NCERT Textbook:	<b>Week 2:</b> Using the political map of	Art Integrated Activity:

	<p><b>Chapter 1- India: Location</b></p> <p>India and its Neighbors.</p>	<p>Describe important terms in Geography such as, standard meridian, prime meridian, tropic of cancer, subcontinent, passes, sea ports etc.</p> <p>Know the latitudinal and longitudinal extent of India and actual distance from north to south and east to west.</p> <p>The implication of the latitudinal and longitudinal extent of the country.</p> <p>Analyze the impact of the long coastline on the life of the people.</p> <p>Appraise the characteristics of Indian Subcontinent.</p> <p>Critically think how the passes helped in exchange of ideas and commodities with distant countries in the past.</p> <p>Understand and appreciate India's relation with the neighboring countries.</p>	<p><a href="https://ncert.nic.in/textbook.php?kegy1=1-7">https://ncert.nic.in/textbook.php?kegy1=1-7</a></p> <p>Shyam Prabha- Interactive session: <a href="https://www.youtube.com/watch?v=0K-UMWHA7Vo">https://www.youtube.com/watch?v=0K-UMWHA7Vo</a></p> <p>NCERT OFFICIAL- Video: <a href="https://www.youtube.com/watch?v=1P oqdE6flfk">https://www.youtube.com/watch?v=1P oqdE6flfk</a></p> <p>NCERT OFFICIAL- Audio: <a href="https://www.youtube.com/watch?v=JzBlvdMemKA">https://www.youtube.com/watch?v=JzBlvdMemKA</a></p> <p>Map: Indian subcontinent: <a href="https://diksha.gov.in/play/collection/document/3130249135410626561234?contentType=TextBook">https://diksha.gov.in/play/collection/document/3130249135410626561234?contentType=TextBook</a></p> <p>Practise items: <a href="https://diksha.gov.in/play/collection/document/31307361008750592013024?contentType=TextBook">https://diksha.gov.in/play/collection/document/31307361008750592013024?contentType=TextBook</a></p>	<p>India on School Bhuvan NCERT portal to identify states and union territories of India and their capitals.</p> <p>Solve mathematical problems on Longitude and time to understand how time differs with longitudes and the importance of Standard Meridian.</p> <p>Make a list of ancient sea ports and modern seaports of India and write their importance.</p> <p>Collect information on any one neighboring country of India. Compare and contrast the characteristics of that country with India.</p>	<p>Collect information about Ladakh and West Bengal and prepare a project on it.</p>
	<p><b>Fundamentals of Physical Geography.</b></p> <p><b>Chapter-2- The Origin and</b></p>	<p><b>Students will be able to:</b> Identify and explain theories related to the origin of the earth and the universe.</p>	<p>NCERT Textbook: <a href="https://ncert.nic.in/textbook.php?kegy2=2-16">https://ncert.nic.in/textbook.php?kegy2=2-16</a></p> <p>Learning resources:</p>	<p><b>Week 3:</b> The students will do the experiment using a balloon to understand</p>	<p>Prepare a chart showing Inner and Outer planets along with their</p>

	<p><b>Evolution of the Earth</b></p>	<p>Examine and appreciate the extent of the solar system and our place in the solar system.</p> <p>Describe evolution of the earth including lithosphere, atmosphere and hydrosphere.</p>	<p><a href="https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_31306838741508096018790">https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_31306838741508096018790</a></p> <p>Video: <a href="https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/580debe016b51c2b857c09ba">https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/580debe016b51c2b857c09ba</a></p> <p>PPT: <a href="https://diksha.gov.in/play/collection/do_3130037884210135041247?contentId=do_3130037823175802881206">https://diksha.gov.in/play/collection/do_3130037884210135041247?contentId=do_3130037823175802881206</a></p>	<p>the big bang theory.</p> <p>A short quiz will be taken on the Geological Time Scale.</p> <p>Students will draw a flowchart and discuss the evolution of the atmosphere. Point the countries of Indian Subcontinent.</p>	<p>characteristics</p>
	<p><b>India – Physical Environment</b></p> <p><b>Chapter 2 Structure and Physiography</b></p>	<p><b>Students will be able to:</b> Define terms like straits, gulf, Bay etc.</p> <p>Appreciate physical diversity of India</p> <p>Compare and contrast the physical features of India</p> <p>Locate the geographical features on the map of India.</p>	<p>NCERT Textbook: <a href="https://ncert.nic.in/textbook.php?kegy1=2-7">https://ncert.nic.in/textbook.php?kegy1=2-7</a></p> <p>School Bhuvan NCERT : <a href="https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH">https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH</a></p> <p>NCERT OFFICIAL: <a href="https://www.youtube.com/watch?v=TB4vRf2nOiI">https://www.youtube.com/watch?v=TB4vRf2nOiI</a></p>	<p><b>Week 4:</b> Students will read about the geological region given in the book. Write down their characteristics in a notebook.</p> <p>Explore the physiographic divisions of India on School Bhuvan-NCERT portal/textbook.</p>	<p>Point the major Himalayan peaks from the west to east on the political map of India.</p>
<p><b>JULY</b></p>	<p><b>Fundamentals of Physical Geography.</b></p> <p><b>Chapter-3 Interior of the Earth</b></p> <p><b>Earthquake</b></p>	<p><b>Students will be able to:</b> Identify direct and indirect sources of information of the interior of the earth</p> <p>Identify and describe characteristics of earthquake waves.</p>	<p>NCERT Textbook: <a href="https://ncert.nic.in/textbook.php?kegy2=3-16">https://ncert.nic.in/textbook.php?kegy2=3-16</a></p> <p>Video: <a href="https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/585b58fd472d4af21c54d6e7">https://nroer.gov.in/55ab34ff81fccb4f1d806025/file/585b58fd472d4af21c54d6e7</a></p>	<p><b>Week 1:</b> Learners will be encouraged to watch videos and documentaries on you tube and write their observations.</p> <p>A flow chart may be developed by</p>	<p>Prepare a model of seismograph and explain the occurrence of the seismic waves.</p>

		<p>Explain causes and effects of earthquake and preparedness during earthquake.</p> <p>Interpret diagram showing structure of the earth and earthquake waves.</p>	<p>National Geography:  <a href="https://www.youtube.com/watch?v=VSgB1IW6O4#action=share">https://www.youtube.com/watch?v=VSgB1IW6O4#action=share</a></p> <p>Learning resources:  <a href="https://courses.lumenlearning.com/wmpen-geology/chapter/outline-come-causes-and-location-of-earthquakes/">https://courses.lumenlearning.com/wmpen-geology/chapter/outline-come-causes-and-location-of-earthquakes/</a></p>	<p>the teacher to explain types of earthquake waves and their characteristics. Video clippings related to an earthquake in different parts of the world will be used to discuss the effects of an earthquake.</p>	
	<p><b>Volcanoes and volcanic landforms</b></p>	<p><b>Students will be able to:</b>  Identify the earthquake and volcanic zone and point them on the world map.</p> <p>Describe types of volcanoes and volcanic landforms.</p> <p>Critically think and analyze how these hazards are triggered by human activities.</p>	<p>NCERT Textbook:  <a href="https://ncert.nic.in/textbook.php?kegy2=3-16">https://ncert.nic.in/textbook.php?kegy2=3-16</a></p> <p>Volcanoes:  <a href="https://www.youtube.com/watch?v=iE6vplrtEO8">https://www.youtube.com/watch?v=iE6vplrtEO8</a></p> <p>Volcanic Landforms:  <a href="https://www.youtube.com/watch?v=Jfa59jAj-3o">https://www.youtube.com/watch?v=Jfa59jAj-3o</a></p>	<p><b>Week 2:</b>  Class will be divided into 6 groups of 3 members each and encouraged to write any five measures that can be taken before, during and after a hazard.</p> <p>Visuals may be used to describe types of volcanoes and volcanic landforms.</p>	<p>Prepare a first aid box with necessary items required for providing initial aid during a natural hazard.</p>
	<p><b>India – Physical Environment</b></p> <p><b>Chapter 3- Drainage system</b></p> <p>Himalayan Drainage system</p>	<p><b>Students will be able to:</b>  Define and compare drainage basin, catchment area and different drainage pattern.</p> <p>Classify the drainage system of India.</p> <p>The changes in landscape brought about by Himalayan drainage.</p>	<p>NCERT Textbook:  <a href="https://ncert.nic.in/textbook.php?kegy1=3-7">https://ncert.nic.in/textbook.php?kegy1=3-7</a></p> <p>The Himalayan River system:  <a href="https://diksha.gov.in/play/collection/do_3130037884210135041247?contentId=do_3130037824470958081210">https://diksha.gov.in/play/collection/do_3130037884210135041247?contentId=do_3130037824470958081210</a></p> <p>School Bhuvan NCERT:  <a href="https://bhuvan-app1.nrsc.gov.in/m">https://bhuvan-app1.nrsc.gov.in/m</a></p>	<p><b>Week 3:</b>  Teacher guided activity-  Crumble a sheet of paper and then partly smoothen it, leaving the ridges formed. Now with the help of different color markers, color the ridges formed on paper. Place the sheet of paper in a flat vessel (representing a water-body) in</p>	<p>Map Skill:  Point the major rivers of India on the map along with the multipurpose river valley project built on them.</p>

		<p>Understand the evolution of Himalayan drainage .</p> <p>Describe the Himalayan Drainage system- Indus, Ganga and Brahmaputra River systems.</p>	<p><a href="http://hrd_ncert/sb/sb.php#school:NINTH">hrd_ncert/sb/sb.php#school:NINTH</a></p> <p>Ganga: <a href="https://diksha.gov.in/play/collection/do_3130249135410626561234?contentId=do_313023608462123008134">https://diksha.gov.in/play/collection/do_3130249135410626561234?contentId=do_313023608462123008134</a></p> <p>NAT GEO: <a href="https://www.youtube.com/watch?v=mkPwEuflhKo">https://www.youtube.com/watch?v=mkPwEuflhKo</a></p>	<p>the shape of a watershed. Now, carefully spray water, with a spray-bottle, from the top of the watershed. Ask students to observe how the different Coloured water flows. Write a note on how major river systems influence the economy of a country?</p>	
	<b>Peninsular Drainage system</b>	<p><b>Students will be able to:</b> Understand the characteristics of drainage patterns of Peninsular India.</p> <p>Explain the evolution of the Peninsular river system.</p> <p>Compare the Himalayan and Peninsular drainage system.</p> <p>Differentiate between regimes of Peninsular and Himalayan rivers. The advantages of interlinking rivers.</p> <p>Identify the causes of river pollution and suggest measures.</p>	<p>NCERT Textbook: <a href="https://ncert.nic.in/textbook.php?kegy1=3-7">https://ncert.nic.in/textbook.php?kegy1=3-7</a></p> <p>NCERT OFFICIAL- Interactive Session: <a href="https://www.youtube.com/watch?v=66W3rOM9k74">https://www.youtube.com/watch?v=66W3rOM9k74</a></p> <p>NRCP- cleaning Yamuna- <a href="https://www.youtube.com/watch?v=Ml3O-trCrQk">https://www.youtube.com/watch?v=Ml3O-trCrQk</a></p> <p>NCERT Official-Audio: <a href="https://www.youtube.com/watch?v=Hb37_ksAhJs">https://www.youtube.com/watch?v=Hb37_ksAhJs</a></p>	<p><b>Week 4:</b> Students will prepare a table mentioning the river, Origin, Tributaries, length, catchment area, drainage basin, discharge.</p> <p>Students will collect information on the Interlinking of rivers and make a note on each stating the advantages and disadvantages.</p> <p>Write a note on the NRCP.</p>	<p>Make a comparative bar diagram on a graph paper to show the length of the courses of the rivers.</p>
	<b>Interior of the Earth, Drainage</b>	<p><b>Students will be able to: (Revision)</b> Analyze, understand, apply knowledge and solve different</p>	<p>Textbook</p> <p>Sample papers</p> <p>Diksha content</p> <p>Google forms</p>	<p><b>Week 5:</b> Oral test</p> <p>MCQ using Google forms.</p>	

		patterns of questions.			
<b>AUGUST</b>	<p><b>Fundamentals of Physical Geography.</b></p> <p><b>Chapter 4: Distribution of Ocean and Continents</b></p> <p><b>Practical work in Geography</b></p>	<p><b>Students will be able to:</b> Understand the different theories put forward showing the distribution of ocean and continent like Continental Drift theory, post-drift studies like mapping of ocean floor, ocean floor configuration and Sea floor spreading.</p> <p>Learn about Geo spatial data- GIS</p>	<p>NCERT textbook: <a href="https://ncert.nic.in/textbook.php?kegy2=4-16">https://ncert.nic.in/textbook.php?kegy2=4-16</a></p> <p>Video: <a href="https://nroer.gov.in/nroer_team/file/569a0a2181fccb15fb2212d4">https://nroer.gov.in/nroer_team/file/569a0a2181fccb15fb2212d4</a></p> <p>Learning resources: <a href="https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313068400336887808116195">https://diksha.gov.in/play/collection/do_31307360995279667212629?contentId=do_313068400336887808116195</a></p> <p>NCERT Official: <a href="https://www.youtube.com/watch?v=q0EPKsEIONE">https://www.youtube.com/watch?v=q0EPKsEIONE</a></p>	<p><b>Week 1:</b> Teacher guided activity- Prepare a model explaining the sea floor spreading. upload the video in the padlet or share with the teacher on whats app.</p> <p>They will study the book and with multimedia content will explain the features, uses of GIS.</p>	Find out the areas where earthquakes and volcanoes are common and point these areas on the World map to establish a relation between them.
	<b>Plate Tectonic Theory</b>	<p><b>Students will be able to:</b> Understand about Plate Tectonics, major and minor plates of the world, different boundaries and movement of the Indian plate.</p> <p>Practical work- Learn about Geo spatial data- Remote sensing.</p>	<p>Textbook</p> <p>NCERT Official: <a href="https://www.youtube.com/watch?v=TB4vRf2nOil">https://www.youtube.com/watch?v=TB4vRf2nOil</a></p> <p>Video: <a href="https://www.youtube.com/watch?v=ZTRu620bIsE&amp;t=650s">https://www.youtube.com/watch?v=ZTRu620bIsE&amp;t=650s</a></p> <p>Plate Boundaries: <a href="https://www.youtube.com/watch?v=GeDcnFUvBdw">https://www.youtube.com/watch?v=GeDcnFUvBdw</a></p>	<p><b>Week 2:</b> Learners will study the textbook, observe the multimedia content shared by the teacher and explain the movements of tectonic plates and the corresponding changes.</p>	
	<p><b>India – Physical Environment</b></p> <p><b>Chapter-5: Natural Vegetation</b></p>	<p><b>Students will be able to:</b> Differentiate natural vegetation and vegetation.</p> <p>Correlate the factors affecting plant kingdom with natural vegetation of India.</p>	<p>NCERT textbook: <a href="https://ncert.nic.in/textbook.php?kegy1=5-7">https://ncert.nic.in/textbook.php?kegy1=5-7</a></p> <p>School Bhuvan NCERT: <a href="https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH">https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH</a></p>	<p><b>Week 3:</b> Give Annexure (G-1) to the students and write the features of different types of forests in the observation sheet.</p>	Point the Vegetation types on the Map of India



		<p>Understand the characteristics of different forests in India- Tropical Evergreen, Deciduous, Montane forest.</p> <p>Practical work- Concept of Geographical data matrix- Point and line data</p>	<p>Reading Material:  <a href="https://diksha.gov.in/play/collection/do_313002971830034432198?contentId=do_3130029717768355841112">https://diksha.gov.in/play/collection/do_313002971830034432198?contentId=do_3130029717768355841112</a></p>	<p>Give Annexure (g-2) complete the map worksheet to the students based on what they have learned during the activity and find out the information and note down the observations.</p>	
	<p><b>Wildlife Conservation of India.</b></p>	<p><b>Students will be able to:</b>          Be familiar with the threats to flora and fauna in India and the measures taken to conserve them.</p> <p>Develop sensitivity towards preservation of flora and fauna.</p> <p>Practical work- Concept of Geographical data matrix- area data.</p>	<p>Bioreserve, National park &amp; Wildlife sanctuaries:  <a href="https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH">https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/sb/sb.php#school:NINTH</a></p> <p>Forest conservation:  <a href="https://diksha.gov.in/play/collection/do_3130249135410626561234?contentId=do_313023608530632704141">https://diksha.gov.in/play/collection/do_3130249135410626561234?contentId=do_313023608530632704141</a></p> <p>Worksheet (Annexure G-1 &amp; Annexure g-2):  <a href="https://diksha.gov.in/play/collection/do_31307360981331968012448?contentId=do_3130709655243980801734">https://diksha.gov.in/play/collection/do_31307360981331968012448?contentId=do_3130709655243980801734</a></p>	<p><b>Week 4:</b>          Insist the students to find out the role of government in conserving the flora and fauna and also as a concerned citizen what steps would you take in preserving these.</p> <p>Multimedia content and study material will be shared with the students.</p>	<p>Point the Biosphere reserves on the map of India and write few lines on it.</p>

**CLASS: XI**  
**Subject: HINDI**

**Books Recommended:**

राष्ट्रीयशैक्षिकअनुसंधानऔरप्रशिक्षणपरिषदकीग्यारहवींकीपुस्तकें	
1 आरोह	2 वितान

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
August	1 नमककादारोगा	ईमानदारी व सत्यनिष्ठासेविचलित न होना।	राष्ट्रीयशैक्षिकअनुसंधानऔरप्रशिक्षणपरिषदकीग्यारहवींकीपुस्तकें 1 आरोह 2 वितान	Week 1: प्रेमचंदकीअन्यकहानियोंकोपढ़ना	पावरपॉइंटप्रस्तुति
	1 नमक कादारोगा	1 सत्यकीहीजीतहोतीहै। 2 धनदौलतसेबड़ीईमानदारी होतीहै।	1 आरोह	Week 2 पाठकासारांशलेखन	कठिनशब्दोंका संग्रह
	1 हमतौएकएककरिजाना 1 2 संतोंदेखतजगबौराना।	1 बाहरीदिखावेकीप्रवृत्तिका त्याग 2 ईश्वरीयसत्तापरविश्वास 3 सभीधर्मोंमेंविश्वास	1 आरोह	Week 3 कबीरकीअन्यरचनाओंकोपढ़ना  2 जीवनीलेखन	कठिनशब्दोंका संग्रह
	1 मेरेतोगिरधरगोपाल, दूसरोंनकोई 1 2 पगधुंधरूबां धिमीरानाची	1 कृष्णकेप्रतिअनन्यभक्तिकीभावना 2 रीतिरिवाजोंऔरबंधनोंसेमुक्ति 3 ज्ञानसेमुक्तिकामार्गप्रशस्त	1 आरोह	Week 4 1 मीराकीअन्यरचनाओंकोपढ़ना  2 जीवनीलेखन	1 गेयपदोंकोगाकरअभ्यासकरना

**CLASS : XI**  
**Subject: BENGALI**

**Books Recommended:** সাহিত্য চর্চা - উমাধ্যমিক শিক্ষা সংসদ উত্তর বাংলা ব্যাকরণ-শ্রী বামনদেব চক্রবর্তী

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
August	ডাকাতের মা	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week 1:</b> উক্ত অধ্যায়ের পাঠ	সক্রিয়তা ভিত্তিক কর্ম-পাঠ
	ডাকাতের মা	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week 2</b> উক্ত অধ্যায়ের অর্থ বিশ্লেষণ	সক্রিয়তা ভিত্তিক কর্ম-অর্থ বিশ্লেষণ
	ডাকাতের মা	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week 3</b> উক্ত অধ্যায়ের নানা মাত্রার প্রশ্ন-উত্তর	প্রশ্ন-উত্তর
	ডাকাতের মা	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week 4</b> উক্ত অধ্যায়ের নানা মাত্রার প্রশ্ন-উত্তর	প্রশ্ন-উত্তর
September	নুন	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ , আবৃত্তি ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week1-পাঠ ও আবৃত্তি</b>	সক্রিয়তা ভিত্তিক কর্ম-অর্থ বিশ্লেষণ, আবৃত্তি
	নুন	শিক্ষার্থীরা উক্ত অধ্যায়ের পাঠ অর্থবিশ্লেষণ , আবৃত্তি ও প্রশ্ন-উত্তর যথাযথভাবে সম্পন্ন করতে সক্ষম হবে।	সাহিত্য চর্চা	<b>Week2-প্রশ্ন-উত্তর</b>	সক্রিয়তা ভিত্তিক কর্ম-প্রশ্ন-উত্তর
	কারক	শিক্ষার্থীরা কারক ও বিভক্তি সম্পর্কে যথাযথ জ্ঞান অর্জন করবে ও সার্থক ভাবে ব্যবহার করতে সক্ষম হবে।	উচ্চতর বাংলা ব্যাকরণ	<b>Week3-কারক ও বিভক্তি নির্ণয়</b>	সক্রিয়তা ভিত্তিক কর্ম- কারক ও বিভক্তির ছক।
	কারক	শিক্ষার্থীরা কারক ও বিভক্তি সম্পর্কে যথাযথ জ্ঞান অর্জন করবে ও সার্থক ভাবে ব্যবহার করতে সক্ষম হবে।	উচ্চতর বাংলা ব্যাকরণ	<b>Week4-কারক ও বিভক্তি নির্ণয়</b>	সক্রিয়তা ভিত্তিক কর্ম- কারক ও বিভক্তির ছক।

# CLASS : XI

## Subject: APPLIED MATHEMATICS

**Books Recommended:** Applied Mathematics by M.L.Aggarwal and Neeraj Raj Jain

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
August	<b>Chapter 6:</b> Sequences and Series	Students will be able to learn: <ul style="list-style-type: none"><li>• Definition of a sequence</li><li>• Relate the term sequence in our everyday life</li><li>• Definition of term of a sequence, finite and infinite sequence.</li><li>• Special sequence: Fibonacci Sequence</li><li>• Definition of a series, general term of a series, sum upto particular term of a series</li><li>• To find particular terms using the formula of general term of a sequence</li><li>• Special sequence such as arithmetic progression.</li><li>• To recapitulate the solutions, formulae and definitions related to the arithmetic progression.</li><li>• To find a sum upto particular term of an arithmetic progression.</li><li>• How to find arithmetic mean between two numbers.</li><li>• How to find n number of arithmetic means between two given numbers using the concept of arithmetic progression.</li></ul>	NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals <a href="https://youtu.be/Hi9_3Uq7_Sc">https://youtu.be/Hi9_3Uq7_Sc</a> <a href="https://youtu.be/Ia9dbNXyvuU">https://youtu.be/Ia9dbNXyvuU</a> <a href="https://youtu.be/0WmP2l6y-wY">https://youtu.be/0WmP2l6y-wY</a>	Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp.	

<p><b>Chapter 6:</b> Sequences and Series</p>	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Definition of geometric progression</li> <li>● What is common ratio?</li> <li>● General term of a geometric progression and the sum upto particular term of geometric progression.</li> <li>● Relation between geometric progression and arithmetic progression</li> <li>● To find the geometric mean between two numbers</li> <li>● To find n number of geometric means between two given numbers.</li> <li>● Relation between arithmetic mean and geometric mean</li> <li>● Sum upto n terms of some special series:  <math>1+2+3+\dots</math>  <math>1^2+2^2+3^2+\dots</math>  <math>1^3+2^3+3^3+\dots</math></li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCE RT lab manuals  <a href="https://youtu.be/ir1hryYxBn0">https://youtu.be/ir1hryYxBn0</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp. Short online MCQ test will be taken after completion of chapter.</p>	<p><b>Activity 18:</b> To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.</p>
<p><b>Chapter 7:</b> Permutations and Combinations</p>	<p>Students will be able learn:</p> <ul style="list-style-type: none"> <li>● The fundamental Principle of counting.</li> <li>● How an event is followed by another event.</li> <li>● Calculation of various ways of happening all events simultaneously.</li> <li>● Factorial notations</li> <li>● Arrangements of some number of objects in some number of places i.e. permutation.</li> <li>● Permutation when all objects are</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCE RT lab manuals  <a href="https://youtu.be/QFOvlinkF5Q">https://youtu.be/QFOvlinkF5Q</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group. Learning videos will be shown through online classes. Students will send their homeworks and assignment through WhatsApp.</p>	

		<p>different/all objects are same.</p> <ul style="list-style-type: none"> <li>● Permutation under restrictions.</li> <li>●</li> </ul>			
	<p><b>Chapter 7:</b> Permutations and Combinations</p>	<p>Students will be able to learn:</p> <ul style="list-style-type: none"> <li>● Permutations when all objects are not different.</li> <li>● Circular permutation.</li> <li>● Concept of combination with the help of permutation.</li> <li>● Combination when all objects are different/all objects are same.</li> <li>●</li> </ul>	<p>NCERT Mathematics textbook/NCERT EXEMPLAR/NCERT lab manuals  <a href="https://youtu.be/-R8pA0IUNRk">https://youtu.be/-R8pA0IUNRk</a></p>	<p>Class work materials and assignments will be given to students through class WhatsApp group.  Learning videos will be shown through online classes.  Students will send their homeworks and assignment through WhatsApp.</p>	