

TAURIAN WORLD SCHOOL

Ranchi



Grade: X

Curriculum 2017-18

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Subject: English

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
APRIL / MAY 15 DAYS	Prose – ‘Two gentlemen of Verona’ Poetry – 1. ‘The Frog and the Nightingale’ 2. Sonnet 55	Help students to familiarize themselves with the horrors of war, and the trauma that accompanies them. Develop an empathy with the victims Teach what a satire is, how it also is a fable underlining how innocent victims in the show business are manipulated by unscrupulous sharks Encourages readers with the ability to fight and overcome tough situations and overwhelming terror as a literary device- using a combination of humour and sarcasm to fulfil the exercise of criticizing social follies. To learn to appreciate Shakespearean Sonnets, and respect his philosophy that ‘love’ binds and is immortal	1. Draw a mind map –gentlemen qualities 2. Comprehension 3. Sequential summary 4. Figures of speech –simile, metaphor, Irony, repetition 5. Character synopsis	<ul style="list-style-type: none"> Acquire the ability to listen and understand, and should be able to employ non-verbal clues to make connections and draw inferences. Develop the habit of reading for information and pleasure; draw inferences and relate Read critically and develop the confidence to ask and answer questions. Be able to employ her/his communicative skills, with a range of styles, and engage in a discussion in an analytical and creative manner. <p>Ability to identify the different voices and language concepts and how it differs from other writings</p>

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
JUNE 12 DAYS	Unit -1 'Health & Medicine Do Indians get enough sleep Laughter the best medicine Natures medicines Determiners, Tenses	Learn to enjoy the pleasures of reading narratives in the form of a novel, and developing an individual appreciation for unravelling mysteries of science Learning the ability to comprehend , understand and judge, so as to extract relevant points and put them in note form and then to use those points to write an abstraction Continue with learning appropriate tones while carrying out different social communications	Unit -1 'Health & Medicine Informal letter a) Story writing b) Paragraph writing – SWS c) Diary entry d) Message writing e) Notice writing	<ul style="list-style-type: none"> • Be able to identify a topic, organize and structure thoughts and write with a sense of purpose and an awareness of audience. • Be able to understand and use a variety of registers • Be able to use language creatively and imaginatively in text transaction and performance of activities. • Be able to develop sensitivity towards their culture and heritage, aspects of contemporary life and languages in and around the classroom.

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JULY 25 days	Prose – ‘Mrs Packletides Tiger’ Poetry – ‘Mirror’ Drama – ‘The Dear Departed’ Unit – 2‘Education’ Subject-verb agreement Finite/ Non finites	1.anticipate and predict what will come next 6.Len to reaffirm faith in the fact that one act of kindness can redeem the depraved 1 & 4. Awakening of dormant attitudes to understanding why India’s teaming millions of children wallow in poverty – Solutions to this problem to be shared. Sensitization to the critical issues of child labour and deprivation of the basic right to education and deprived of the right to dream Understand the .Learn to make the right choices in the face of difficulties and learn to value humanity above everything else, even patriotism. And concepts of social injustice and inequalities which mostly children from underprivileged backgrounds suffer from. Recognize poetic devices used. Understand the complex subtleties of human relationships, relating to the different stages of parent –child relationships Learn to judge and extract relevant points, & note them in a specified format, also learn to write summaries on the basis of these notes. Learn to write to the point business letters in appropriate formal language, precise form and content pertaining to various situations.	1. Comprehension 2. Character study 3. Rewrite in simple prose lines written in old English. 4. Enact the play a) E-mail b) Summary writing c) Bio-sketch d) Dialogue completion e) Debate / Speech	<ul style="list-style-type: none"> • Be able to employ his/ her communicative skills, with a range of styles, and engage in a discussion in an analytical and creative manner. • Ability to communicate effectively and appropriately in real life situations. • Retrieve and synthesize information from a range of reference material using skills of scanning and skimming. • Can write a clear description a clear account of events, present • Can present compare and contrast ideas and arrive at conclusions • Can present an argument, supporting it with appropriate examples

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AUGUST 23 days	Prose – ‘The Letter’ Poetry – ‘Not marbles nor the guided monuments’ Unit – 3 ‘Education’ Struggle for education Educating the girl child Inclusive education and Vocational education Relatives/ Connectors	7. Get an insight into the variety of characters in different hues, different situations and also to the follies of human nature. 8. Appreciate this poetry, which makes us realize the importance and relevance of tranquillity and serenity. We are taught the relevance of quiet introspection that goes on to promote peace among all human beings 9. Learn the complications of class exploitations and the trials and sufferings of the poor. Appreciate the poetic devices used to elaborate the poets feelings Learn to execute the ability to design posters with a social obligation. Differentiate between commercial and classified ads By designing these ads under their headlines. Learn to write to the point business letters in appropriate formal language, precise form and content pertaining to various situations.	1. Web chart –neglect of elderly 2. comprehension 3. extended writing= letter written by any one character a) Article writing b) Debate/ speech c) Other short writing skills – description of place, events, process writing d) Group discussion	<ul style="list-style-type: none"> • Be able to employ her/his communicative skills, with a range of styles, and engage in a discussion in an analytical and creative manner. • Be able to identify a topic, organize and structure thoughts and write with a sense of purpose and an awareness of audience. • Be able to understand and use a variety of registers associated with domains such as music, sports, films, gardening, construction work, etc. • Be able to use a dictionary and other materials available in the library and elsewhere, access and collect information through making and taking down notes, etc. • Be able to use language creatively and imaginatively in text transaction and performance of activities. • Be able to develop sensitivity towards their culture and heritage, aspects of contemporary life and languages in and around the classroom.

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
SEPTEMBER 22 days	Revision of Class XI Notice, Speech, Debates, Invitations and replies, Factual Descriptions, Reports and articles, note making	Revise the formats used when writing Debates and Speeches, factual reports, description and articles	More exercises from Sample papers and CBSE past papers	<ul style="list-style-type: none"> The learner will by now honed the skills and habit of recapitulation. Plan a revision course for better implementation of lessons learnt Develop a confidence in approaching examination
OCTOBER 18 days	Prose – ‘A Shady Plot’ Poetry – ‘Ozymandius’ Unit – 3– ‘Science’ 1. Renewable energy 2. Plugging into the future 3. Space travel	<p>10. Learn to perceive beauty as a source of inspiration and joy, also learn to develop a taste for Greek Mythology</p> <p>11. Learn about Feminist trend in literature. About the suppression of women in a male-dominated society. Identify poetic devices.</p> <p>7. Understand the need to develop the right attitude towards the specially challenged, the need to incorporate them into the social mainstream and also realize the true beauty that lies within a person and not in one’s physical appearance.</p>	<ol style="list-style-type: none"> Use extracts to deduce characters Phrases and expressions- in simple prose Comprehension Poems philosophy- explain Interview friends and neighbours on existence of ghosts 	<p>The learner will</p> <ul style="list-style-type: none"> Acquire the ability to listen and understand, and should be able to employ non-verbal clues to make connections and draw inferences. Develop the habit of reading for information and pleasure; draw inferences and relate texts to previous knowledge; read critically and develop the confidence to ask and answer questions. Be able to employ her communicative skills, with a range of styles, and engage in a discussion in an analytical and creative manner.

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
OCTOBER 18 days (Continued)	Comparisons & Avoiding Repetitions	Drill and use the formats learnt when writing articles and Speeches, learn to divide work into paragraphs and make a smooth transition from the introduction to the conclusion. In reports use factual contents and a matter of fact tone	<ul style="list-style-type: none"> • Newspaper report • Poster making • Formal letter • Book jacket/ Book review • Ecological footprint 	<ul style="list-style-type: none"> • Be able to identify a topic, organise and structure thoughts and write with a sense of • Purpose and an awareness of audience. • Be able to understand and use a variety of registers associated with domains such as music, sports, films, gardening, construction work, etc. • Be able to use a dictionary and other materials available in the library and elsewhere, access and collect information through making and taking down notes, etc.

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<p>NOVEMBER 20 days</p>	<p>Poem – ‘The Rime of the ancient mariner’ Poem – ‘The Snake’</p> <p>Unit 4. Environment Lets clean up</p> <p>Tale of three villages</p> <p>Geological heritage</p> <p>a. Active and passive =unit</p>	<p>12. To get an insight into the life and works of the famous poet Coleridge and to observe how romanticism can bring romantic aesthetics. An objective study to assess the literary genre.</p> <p>13. Understand the working of imaginative romance in the mind of an adolescent, while it dwells in the realms of fantasy. Ability to form opinions and express them with clarity.</p> <p>Continue to write to the point business letters in appropriate formal language, precise form and content pertaining to various situations.</p> <p>Recognise the slight difference in the format of speech and debate.</p>	<ul style="list-style-type: none"> • Use extracts to deduce characters • Phrases and expressions- in simple prose • Comprehension • Poems philosophy- explain • Interview friends and neighbors on existence of ghosts • Newspaper report • Poster making • Formal letter • Book jacket/ Book review • Ecological footprint 	<ul style="list-style-type: none"> • Be able to use language creatively and imaginatively in text transaction and performance of activities. • Be able to develop sensitivity towards their culture and heritage, aspects of contemporary life and languages in and around the classroom.

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DECEMBER 19 days	Prose – Patol Babu, film star, Virtually true Drama –‘Julius Ceasar’ Unit – 5 – ‘Travel & Tourism’ Land of all seasons ECO tourism The Emerald Islands Promotng tourism Transformation of sentences	8. Learn to appreciate the ingenuity and the mechanism of a sharp and intelligent mind. At the same time learn to be on guard against undesirable social behaviour. Critical Appreciation of Shakespearean Drama 9. Learn to appreciate one’s stand against social and racial indiscrimination and support social justice	1. Comprehension a. Advertisement –Incredible India Campaign b. Planning an itinerary c. Brochure on tour and travels	
JANUARY/FEB 20 days	REVISION	REVISION		
MARCH		REVISION AND EXAMS		

Subject: Hindi

NO OF PERIOD	TOPICS	OBJECTIVE	ACTIVITIES	LEARNING OUTCOMES
5	क्षितिज - गद्य खंड 1. नेता जी का चरम	<ul style="list-style-type: none"> पठन पाठ प्रश्नोत्तर 	क्रियात्मक गतिविधि 1. प्रश्नोत्तरी	<ul style="list-style-type: none"> बच्चों में देशप्रेम, आपसी सहयोग और गरीबों के प्रति सम्मान की भावना जाग्रत होगी।
5	व्याकरण रचना के आधार पर वाक्य के भेद	<ul style="list-style-type: none"> स्वतंत्रता संग्राम में आम नागरिकों का योगदान 		<ul style="list-style-type: none"> सार्थक शब्दों के व्यवस्थित समूह को समझेंगे।
5	काव्य खंड 5. सूरदास - ऊधौ , तुम ही अति बड़भागी	<ul style="list-style-type: none"> नेता जी की जीवनी वाक्य के भेद वाक्य रूपांतरण पद पठन पद का आशय 		<ul style="list-style-type: none"> सरल वाक्य, संयुक्त वाक्य और मिश्र वाक्य के बारे में जानेंगे। बच्चे सूरदास के पदों के द्वारा श्रीकृष्ण के प्रति गहरा अनुराग को समझ पाएँगे।
5	2. रामवृक्ष बेनीपरी - बालगोबिंद भगत	कहानी पठन	क्रियात्मक गतिविधि- चरित्र चित्रण	<ul style="list-style-type: none"> बच्चे ग्रामीण जीवन के बारे में जानेंगे।
5	काव्य खंड 6. देव- पाँयनि नूपुर मंजु बजें	शुद्ध उच्चारण शब्दार्थ कठिन शब्द		<ul style="list-style-type: none"> बच्चे कवि देव के बारे में जानेंगे।
5	कृतिका माता का आँचल	भावार्थ स्पष्ट करना देव के बारे में बताना। शब्दों का प्रसंगानुकूल अर्थ समझना। भाव स्पष्टीकरण।		<ul style="list-style-type: none"> कवित्त और सवैरों के अर्थ को समझेंगे।

NO OF PERIOD	TOPICS	OBJECTIVE	ACTIVITIES	LEARNING OUTCOMES
10 5 7	3. यशपाल-लखनवी अंदाज 7. जयशंकरप्रसाद - आत्मकथ्य कृतिका 2. कमलेश्वर- जाँज पंचम का नाक व्याकरण पद-परिचय	पठन पाठन आशय स्पष्टीकरण शुद्ध उच्चारण शब्दार्थ कठिन शब्द भाव स्पष्टीकरण परिचयात्मक लेख की जानकारी।	क्रियात्मक गतिविधि- विज्ञापन —लेखन	<ul style="list-style-type: none"> ● बच्चे इस कहानी के द्वारा शान-शैकत वाली बनावटी जीवन-शैली के बारे में जानेंगे ● बच्चे इस कविता के माध्यम से यथार्थ में जीने की प्रेरणा को समझेंगे। ● बच्चे व्यंगात्मक निबंध के बारे में जानेंगे।
10 5 7	4. मानवीय करुणा की दिली चमक 8. सूर्यकांत त्रिपाठी 'निराला' - उत्साह, अट नहीं रही है कृतिका 2. मधु कांकरिया - साना-साना हाथ जोड़ि रचना पत्र , निबंध , अपठित गद्यांश , अपठित काव्यांश। विज्ञापन लेखन	पठन पाठन शुद्ध उच्चारण शब्दार्थ कठिन शब्द अभिव्यक्ति कौशल आशय स्पष्टीकरण यात्रा वृत्तांत से अवगत कराना। स्पष्ट लेखन भाषा सरल विराम चिह्न का प्रयोग विषय से संबंधित		<ul style="list-style-type: none"> ● बच्चे इस पाठ के द्वारा फ़ादर कामिल बुल्के के बारे में जानेंगे। ● बच्चे जानेंगे कि उत्साह एक आवाहन गीत है जो बादल को संबोधित करते हुए देश के युवाओं में उत्साह का संचार करती है। ● बच्चे फ़ागुन की मादकता और सुंदरता को जानेंगे।

NO OF PERIOD	TOPICS	OBJECTIVE	ACTIVITIES	LEARNING OUTCOMES
10 5	5. मन्नू भंडारी - एक कहानी यह भी 9. तुलसी दास-राम-लक्ष्मण - परशुराम संवाद 12. ऋतुराज - कन्यादान कृतिका शिव प्रसाद मिश्र 'रुद्र' — एही ठैयाँ झुलनी हेरानी हो रामा व्याकरण वाच्य	दोहे का अर्थ अपठित गद्यांश सही/गलत का चुनाव शब्दार्थ जानेंगे व कठिन शब्दका उच्चारण कर पाएँगे प्रश्नोत्तर कविता का भावार्थ कर्म वाच्य और भाव वाच्य का प्रयोग स्थल वाच्य परिवर्तन	क्रियात्मक गतिविधि लक्ष्मण और परशुराम का चरित्र चित्रण।	<ul style="list-style-type: none"> • बच्चे लेखिका मन्नू भंडारी के जीवन परिचय से अवगत होंगे। • दोहे के अर्थ को समझेंगे। • धार्मिक पुस्तक रामचरितमानस के बाल कांड के बारे में जानेंगे। • बच्चे यह जानेंगे कि कन्यादान कविता में माँ बेटी को स्त्री के परंपरागत 'आदर्श' रूप से हटकर सीख दे रही है।
5 5	6. महावीरप्रसाद द्विवेदी - स्त्री शिक्षा के विरोधी कृतकों का खंडन 10. नागार्जुन — यह दंतचित्त मुसकान, फसल	पठन-पाठन, अर्थ स्पष्टीकरण, कठिन शब्दों का अर्थ, प्रश्नोत्तर। कविता का भावार्थ सार, संक्षेपन भावार्थ लिखना। गद्य एवं पद्य अवतरणों की व्याख्या लिखना।	क्रियात्मक गतिविधि वाद-विवाद	बच्चे इस पाठ के द्वारा जानेंगे कि आज हमारे समाज में लड़कियाँ शिक्षा पाने एवं हर कार्यक्षेत्र में क्षमता दर्शाने में लड़कों से बिल्कुल पीछे नहीं हैं किंतु यहाँ तक पहुँचने के लिए अनेक स्त्री-पुरुष ने लंबा संघर्ष किया।

NO OF PERIOD	TOPICS	OBJECTIVE	ACTIVITIES	LEARNING OUTCOMES
10 7	11. गिरजा कुमार माथुर- छाया मत छूना 7.यतीन्द्र मिश्र - नौवत खाने में इबादत व्याकरण रस	पठन पाठन अर्थ समझना शुद्ध उच्चारण शब्दार्थ कठिन शब्द अभिव्यक्ति कौशल प्रेरणा ग्रहण। एक ही शब्दों का विभिन्न रूपों में प्रयोग। रस क्या है? रस के अवयव रस के भेद		<ul style="list-style-type: none"> छोटे बच्चे की मनोहारी मुसकान को देखकर जो भाव कवि के मन में उमड़ते हैं, बच्चे उन्हें जानेंगे। बच्चे यह जानेंगे कि जीवन में सुख और दुख दोनों हैं। कविता के माध्यम से यह संदेश है कि अतीत की स्मृतियों को भूल कर वर्तमान का सामना कर भविष्य का वरण करना चाहिए। शहनाई वादक उस्ताद बिस्मिल्ला खाँ के जीवन के अनेक पहलुओं तथा संगीत साधना से बच्चे अवगत होंगे।
5 5	8.भदंत आनंद कौसल्यायन - संस्कृति 13.मंगलेश डबराल - संगतकार कृतिका अज्ञेय— मैं क्यों लिखता हूँ?	पठन पाठन शब्दार्थ जानेंगे व कठिन शब्द का उच्चारण कर पाएँगे आशय स्पष्टीकरण प्रश्नोत्तर		<ul style="list-style-type: none"> बच्चे यह सम्यता और संस्कृति से जुड़े अनेक पहलुओं को जानेंगे। बच्चे गायन में मुख्य गायक का साथ देने वाले संगतकारों की भूमिका के महत्त्व को जानेंगे।

Subject: Science

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
22	Life processes	Nutrition	Nutrition and its types, nutrition in plants and animals	To prepare a chart on various types of nutrition	Concept building on various types of nutrition
		Respiration	Respiration and its processes, respiration in plants and animals	To prepare a chart on aerobic and anaerobic respiration	Mechanism of respiration and breathing will be understood
		Circulation/transportation	Movement of food and water in plants, circulation in animals	To prepare a model on working heart	Mechanism of circulation and its effect will be understood.
		Excretion	Nature of excretory substance, functioning of kidney, urine formation, excretion in plants	To demonstrate the process of counter current mechanism	Removal of waste and its process, functioning of kidney will be understood.
15	Control and Coordination	Physical and chemical co ordination	Control and co ordination in plants, animals and humans. Chemical co ordination	To show diagrammatically effect of various hormones in body	Learning about the functioning of brain and spinal cord and their co ordination, effect of various hormones in the body
12	Chemical Reactions & Equations	Chemical reactions	Types of chemical reaction, chemical equations and their processes of solving, effect of oxidation in everyday life	Demonstration of oxidation reduction reaction in lab	Learning of equations their solving and presentation.

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15	Acids ,Bases & Salts	Acid, bases and salts and their effect	Concept building of acidic and basic substances, indicators, chemical properties of acids ,bases and salts, chemicals from common salt	To demonstrate the acidity and basicity of substances	Properties of acids, bases and salts, use of the compounds in everyday life
12	Metals & Non-Metals	Metals and non metals and their properties	Physical and chemical properties of metals and non metals, reactivity series, formation of compounds, metallurgy	Demonstration of chemical properties of metals and non metals through experimentation	Learning of various ions, their role , properties and uses of metals and non metals.
12	Electric & Magnetic effect	Electricity	Introduction to current , voltage, circuit diagram, ohm's law, resistors their parallel and series combination, concept of resistance	To make a working model of circuit	Uses of various appliances and their effect
		Magnetic effect of electric current	Concept building of magnetic field, current carrying conductor, right hand thumb rule, current through solenoid, circular loop, electric motor, electromagnetic induction.	To construct a solenoid	Basic understanding of flow of current and its magnetic effect.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
7	Sources of energy	Sources of energy and its various types	Conventional and non conventional sources of energy, improvements in various sectors using conventional energy, concept of sustainable development	To prepare a chart on various sources of energy	Learning about the various aspects of energy and their uses.
15	Reproduction	How do organisms reproduce	Asexual and sexual reproduction, sexual reproduction in flowering plants and in animals, pollination, population control	To show the various modes of reproduction diagrammatically	Learning about reproductive health.
20	Genetics	Heredity and evolution	Variations, rules for the inheritance of trait., monohybrid and dihybrid cross, evolution, acquired and inherited traits, Darwins theory, speciation, evolution and classification	Prepare monohybrid cross using one of the trait.	Causes of variation will be understood with different traits
10	Environment	Our environment	Ecosystem and its components, major ecosystems of the world, food chain and web, trophic levels, biological magnification , ozone layer and its depletion	To show the inter relation between food web and chain	Interdependence of organisms will be studied

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12	Carbon & its compound	Carbon and its compound	Allotropes of carbon, covalent bond , uniqueness of carbon, hydrocarbons, alkyl group, nomenclature, chemical properties of carbon, important compounds of carbon, ethanol and ethanoic acids, cleansing action of soap.	Lab activities	Basic understanding of formation of various compounds and their uses
12	Periodic classification	Periodic classification of elements	Basis of classification, Mendeleev's periodic classification with respect to new modern periodic table, periodicity of properties of elements.	To show the arrangement of elements and their chemical properties in groups and periods	Introduction and uses of elements

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
22	Light	Reflection and refraction	Laws of reflection, mirrors their sign conventions and their image formation, refraction through rectangular glass slab, prism, refractive index, refraction through spherical lenses ray diagrams,	To demonstrate refraction through rectangular glass prism	Understanding of various effects of reflection and refraction
		Human eye and the colourful world	Structure of human eye, power of accommodation, defects of vision, dispersion of light, atmospheric refraction	To make a model on human eye	Concept of atmospheric refraction

Subject: Mathematics

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
20	Real numbers	Euclids division lemma, Fundamental theorem of arithmetic, Decimal representation of rational numbers.	HCF of two given nos., Represent rational numbers in decimal form	Practice Sheet	Students will be able to find HCF of two given nos., Represent rational numbers in decimal form
15	Polynomials	Zeros of a polynomial, Relation between zeros and coefficients of quadratic polynomials	Zeros of a polynomial	Practice Sheet	Students will be able to find zeros of a polynomial
15	Pair of linear equations in two variables	Algebraic method of solutions, Graphical method of solutions, Consistency/, Inconsistency, Number of solutions	Pair of linear Eq. by both algebraic Graphical method	Practice Sheet	Students will be able to solve a pair of linear Eq. by both algebraic Graphical method, Check consistency of a pair of linear Equation
15	Quadratic Equations	Solution of quadratic equation by factorization, completing the squares, Formula method, nature of roots	Decide the nature of roots of a Q. Eq	Practice Sheet	Students will be able to solve a quadratic equation by different method, Decide the nature of roots of a Q. Eq
15	Arithmetic Progressions	Arithmetic progression , General term ie n^{th} term, Sum of n terms	n^{th} term and , the sum of n terms of AP	Practice Sheet	Students will be able to decide whether a given sequence is an AP or not, Find n^{th} term and, the sum of n terms

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
20	Triangles	Similar figures, Congruent figures, Basic proportionality theorem, Some important theorems, Similarity criterion of triangles	Similarity of two triangles.	Practice Sheet	Students will be able to prove the similarity of two triangles., Use different theorems of similarity of triangles
10	Coordinate geometry	Distance formula, Section formula, Area of a triangle.	Use distance and section formula to solve problems	Practice Sheet	Students will be able to use distance and section formula to solve problems
18	Introduction to trigonometry	T-Ratios, T-ratios of some specific angles, T-ratios of compl. Angles, Trigonometric identities	T-ratios of specific angles., Use trigonometric identities	Practice Sheet	Students will be able to find T-ratios of specific angles., Use trigonometric identities
15	Applications of trigonometry	Heights and distance	Solve problems of heights and distance.	Practice Sheet	Students will be able to solve problems of heights and distance.
15	Circles	Tangent to a circle, Number of tangents from a point not on the circle	Problems related to tangents.	Practice Sheet	Students will be able to solve problems related to tangents.
10	Constructions	Division of a line segment, Construction of tangents to a circle.	Divide a line segment into equal parts, Construct tangents to a circle.	Practice Sheet	Students will be able to divide a line segment into equal parts, Construct tangents to a circle.
12	Areas related to circles	Perimeter and area of a circle, Areas of sector and segment of a circle, Areas of combinations of plane figures.	Perimeter & Area of a circle, sector and segment., areas of combination of figures	Practice Sheet	Students will be able to find Perimeter & Area of a circle, sector and segment., Find areas of combination of figures

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
15	Surface Areas and Volumes	Surface area of a combination of solids, volume of a combination of solids, Conversion of solids from one shape to another , Frustum of a cone.	Surface area and volumes of combination of figures	Practice Sheet	Students will be able to find the surface area and volumes of combination of figures, Conversion of solid from one shape to another
15	Statistics	Mean , Median and Mode of grouped data, Cumulative frequency graph.	Mean, Median and Mode of a grouped data, cumulative frequency curve	Practice Sheet	Students will be able to find mean, Median and Mode of a grouped data, Draw cumulative frequency curve
14	Probability	Basic terms related to probability, Probability of an event	Probability of an event.	Practice Sheet	Students will be able to find probability of an event.

Subject: Social Science

History & Civics

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
TERM 1	HISTORY				
10	The Age of Industrialisation	(a) Patterns of urbanization (b) Migration and the growth of towns. (c) Social change and urban life. (d) Merchants, middle classes, workers and urban poor. Chapter 5 Case Studies: London and Bombay in the nineteenth and twentieth century.	Discuss two different patterns of industrialization, one in the imperial country and another within a colony Show the relationship between different sectors of production. Show the difference between urbanization in two different contexts. A focus on Bombay and London will allow the discussions on urbanization and industrialization to complement each other..	Group Discussion Worksheets	The students will understand the impact of industrialisation , importance of the different ports in India, coming of the different textiles , impact of britishers in Indian textile market

10	Novels, Society and History	<p>(a) Emergence of the novel as a genre in the west. (b) The relationship between the novel and changes in modern society. (c) Early novels in nineteenth century India. (d) A study of two or three major writers.</p> <p>(Chapter 8)</p>	<p>Familiarize students with pictures, cartoons, extracts from propaganda literature and newspaper debates on important events and issues in the past.</p> <p>Show that forms of writing have a specific history, and that they reflect historical changes within society and shape the forces of change.</p>	<p>Group Discussion</p> <p>Worksheets</p> <p>Pen – Paper test</p>	<p>Familiarize students with some of the ideas of writers who have had a powerful impact on society</p>
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TERM 2					
10	The Rise of Nationalism in Europe	(a) The growth of nationalism in Europe after the 1830s. (b) The ideas of Giuseppe Mazzini, etc. (c) General characteristics of the movements in Poland, Hungary, Italy, Germany and Greece. Chapter 1	The students will discuss the forms in which nationalism developed along with the formation of nation states in Europe in the post-1830 period	Worksheets and Pen-Paper test	The students will come to know about the formation of UK, will have an idea about nation-states, they will learn about the unification of Germany and Italy, and comparison between the allegory between India and Germany

10	Nationalism in India: Map work based on Nationalism in India	(a) First world war, Khilafat, Non-Cooperation and Civil Disobedience Movement. (b) Salt Satyagraha. (c) Movements of peasants, workers, tribals. (d) Activities of different political groups. (Chapter 3)	Nationalism through a case study of Civil Disobedience Movement. Analyze the nature of the diverse social movements of the time.	Worksheets and Pen-Paper test	Familiarize students with the writings and ideals of different political groups and individuals, notably Mahatama Gandhi
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CIVICS

TERM 1

10	Power Sharing & Federalism	<p>Why and how is power shared in democracies?</p> <p>How has federal division of power in India helped national unity?</p> <p>To what extent has decentralisation achieved this objective? How does democracy accommodate different social groups? (Chapter 1&2)</p>	<p>Analyse the relationship between social cleavages and political competition with reference to Indian situation.</p> <p>Understand and analyse the challenges posed by communalism to Indian democracy.</p> <p>Understand the enabling and disabling effects of caste and ethnicity in politics.</p>	<p>Group Discussion</p> <p>Worksheets</p>	<p>The students will understand the federal provisions and institutions.</p> <p>Understand the new Panchayati Raj Institutions in rural and urban areas.</p> <p>The students will be introduced to the centrality of power sharing in a democracy.</p>
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10	<p>Democracy and Diversity & Gender</p> <p>Religion and Caste</p>	<p>Are divisions inherent to the working of democracy? What has been the effect of caste on politics and of politics on caste? How has the gender division shaped politics? How do communal divisions affect democracy? (Chapter 3&4)</p>	<p>Understand the enabling and disabling effects of caste and ethnicity in politics.</p> <p>Develop a gender perspective on politics.</p>	Debates	<p>The students will understand the enabling and disabling effects of caste and ethnicity in politics.</p> <p>Develop a gender perspective on politics.</p>
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TERM 2					
10	<p>Popular Struggles and Movements</p> <p>& Political Parties:</p>	<p>How do struggles shape democracy in favour of ordinary people?</p> <p>What role do political parties play in competition and contestation? Which are the major national and regional parties in India? Why have social movements come to occupy large role in politics? (Chapter 5&6)</p>	<p>Understand the vital role of struggle in the expansion of democracy.</p> <p>Analyse the party systems in democracies. Introduction to major political parties in the country.</p>	Mock Parliament	<p>The students will come to know about the causes of different movements in a democracy and</p> <p>about the party structure in their country and their importance in a democracy</p>

5	Outcomes of Democracy	<p>Can or should democracy be judged by its outcomes? What outcomes can one reasonably expect of democracies? Does democracy in India meet these expectations? Has democracy led to development, security and dignity for the people?</p> <p>What sustains democracy in India? (Chapter 7)</p>	<p>Analyse the role of social movements and non- party political formations.</p> <p>Introduction to the difficult question of evaluating the functioning of democracies.</p> <p>Develop the skills of evaluating Indian democracy on some key dimensions : development, security and dignity for the people.</p>	Project Work	The students will come to know about why democracy is a better form of government
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5	Challenges to Democracy	<p>Is the idea of democracy shrinking?</p> <p>What are the major challenges to democracy in India? How can democracy be reformed and deepened? What role can an ordinary citizen play in deepening democracy? (Chapter 8)</p>	<p>Distinguish between sources of strength and weaknesses of Indian democracy.</p> <p>Reflect on the different kinds of measures possible to deepen democracy.</p> <p>Promote an active and participatory</p> <p>Citizenship</p>	Project Work	The students will come to know about the challenges faced by them in a democracy, why these challenges are present and their remedial.
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Geography

Number of Periods	Topics	Sub-Topics	Objectives and Skills to be developed	Assessment / Activities	Learning Outcomes
8	<i>Chapter 1</i> Resource and Development	Resources :- Definition, classification of resources, sustainable development of resources, Agenda 21, Planning and development of resources, Soil as a resource in India, types of soils in India, characteristics. Soil Pollution, Need for soil conservation.	Understand the value of resources and the need for their judicious utilisation and conservation.	Map Work. Mark regions having various types of Soils in India.	To learn and understand the importance of resources in our lives, sustainable development of resources. Importance of soil in India.
9	<i>Chapter 2</i> Forest and Wildlife Resources	Types and distribution, depletion of flora and fauna, conservation and protection of forest and wild life.	Understand the importance of forests and wild life in our environment as well as develop concept towards the depletion of resources.	Map Work. Locate the various types of Natural Vegetative Zones , National Parks, Wild Life Sanctuaries and Biosphere Reserves of India	To understand the importance of Forest resources in our daily life, need for conservation of Flora & Fauna for a better and healthy environment.

8	<i>Chapter 3</i>	Sources , distribution, utilization, multi-purpose projects, water scarcity, need for conservation and management. Rainwater harvesting.	Understand the importance of water as a resource as well as develop awareness towards it's judicious use and conservation.	Map Work.	To learn and understand the importance of water as an important resource in our lives.
	Water Resources			Locate and mark the Multi-purpose river valley projects and the rivers on which it is built.	
9	<i>Chapter 4</i> Agriculture	Agriculture, definition, types and patterns followed in world and in India. Major food crops, cash crops, fibre crops & beverage crops grown in India. Geographical requirement of crops and it's distribution in India. Green Revolution and it's impact.	To learn and understand the types of farming, major crops, cropping pattern, technological and institutional reforms, their impact, contribution of agriculture to national income.	Map Work Locate and mark the Rice, Wheat, Jute, Cotton, Tea and Sugarcane growing areas in India	Understand the importance of agriculture in national economy.

8	<i>Chapter 5</i>	Types of minerals, distribution, use and economic importance of minerals, conservation	Discuss various types of minerals, as well as their uneven nature of distribution and explain the need for their judicious utilisation. Discuss various types of conventional and non-conventional resources and their utilization.	<i>Map Work</i>	Understand the importance of Minerals & Energy Resources and it's role in the economic development of India.
	Minerals and Energy Resources			Locate and mark the distribution of Iron-ore, Manganese, Bauxite ,Mica, Coal, Oil and Natural Gas in India. Power plants (Thermal, Hydel & Nuclear)	

	<i>Chapter 6</i>	Types, spatial distribution, contribution Types, spatial distribution, contribution industrial pollution and degradation of environment, measures to control degradation.	Discuss the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas. Discuss the need for a planned industrial development and debate over the role of government towards sustainable development.	Map Work	Understand the importance of Manufacturing Industries and it's contribution towards the growth of the nation. Industrial Pollution it's impact and ways to counter it.
8	Manufacturing Industries			Locate and mark the distribution of Textile Industries (Cotton, Woollen and Silk) , Iron and Steel Plants & Software Technology Parks in India	

6	<i>Chapter 7</i>	Roadways, Railways, Waterways (Inland & Foreign) Airways. Advantages and disadvantages. Growth of the transportation sector in the last decade. Means of communication and it's role in shaping the economy of India.	To explain the importance of transport and communication in the ever shrinking world. To understand the role of trade in the economic development of a country.	Map Work	Undersand the importance of transportaion and communiucation system.
	Life lines of National Economy			Golden Quadrilateral East – West Corridor North South Corridor Major Sea ports & Airports	

Economics

NO OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-1 (14 periods)	Development	<p>The traditional notion of development; National Income and Per-capita Income. Growth of NI - critical appraisal of existing development indicators (PCI, IMR, SR and other income and health indicators) The need for health and educational development; Human Development Indicators (in simple and brief as a holistic measure of development.</p> <p>The approach to this theme: Use case study of three states (Kerala, Punjab and Bihar) or take a few countries (India, China, Sri Lanka and one developed country) (</p>	<p>Familiarisation of some macroeconomics concepts. Sensitizing the child about the rationale for overall human development in our country, which include the rise of income, improvement in health and education rather than income. It is necessary to raise question in minds of the children whether the increase in income alone is sufficient for a nation. How and why people should be healthy and provide education.</p>	quiz and pen paper test	<p>After going through this Unit, the students will be able to: describe about national income and percapita income. They will come to know about development indicators like PCI,IMR,SR an other income and health indicators .Students can write the difference between developed country and under developed country</p>

NO OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-2(14 periods)	Sectors of the indian economy	Sectors of Economic Activities; Historical change in sectors; Rising importance of tertiary sector; Employment Generation; Division of Sectors Organised and Unorganised; Protective measures for unorganised sector workers.	To make aware of a major employment generating sector. Sensitise the learner of how and why government invest in such an important sector.	Provide many examples of service sector activities .Use of numerical examples ,charts and photograph.	Students will come to know various sectors of Economic Activities; Historical change in sectors; Rising importance of tertiary sector; Employment Generation; Division of Sectors Organised and Unorganised; Protective measures for unorganised sector workers. Sectors of Economic Activities; Historical change in sectors; Rising importance of tertiary sector; Employment Generation; Division of Sectors Organised and Unorganised; Protective measures for unorganised sector workers.
Unit-3(12 periods)	Money and credit	Role of money in an economy: Historical origin; Formal and Informal financial institutions for Savings and Credit - General Introduction; Select one formal institution such as a nationalized commercial bank and a few informal institutions; Local money lenders, landlords, self help groups, chit funds and private finance companies.	Familiarize the concepts of money as an economic concept. * Create awareness of the role of financial institutions from the point of view day to day life.	Visit to a bank and discussion on various activities that you have observed in banks in the class room.	Familiarize the concepts of money as an economic concept. * Create awareness of the role of financial institutions from the point of view day to day life.

NO OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-4(15 periods)	Globalisation and the Indian Economy	The approach to this theme: Use case study of three states (Kerala, Punjab and Bihar) or take a few countries (India, China, Sri Lanka and one developed country)	Provide children with some idea about how a particular economic phenomenon is influencing their surroundings and day to day life	A project on New Economic Policy - 1991	children will have some idea about how a particular economic phenomenon is influencing their surroundings and day to day life. They will come to know about new economic policy and its impact on Indian economy. They can also explain about WTO and role of WTO
Unit-5 (9 periods)	Consumer Rights	How consumer is exploited (one or two simple case studies) factors causing exploitation of consumers; Rise of consumer awareness; how a consumer should be in a market; role of government in consumer protection. (Chapter 5)	Making the child aware of his or her rights and duties as a consumer. Familiarizing the legal measures available to protect from being exploited in the markets	Collect logos of standards available for various goods and services. Pen paper test.	After going through this chapter the child will be aware of his or her rights and duties as a consumer. He will be familiarized by the legal measures available to protect from being exploited in the markets

Subject: French

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12	Retrouvons nos amis	<ul style="list-style-type: none"> • Learn new words. • Learn describing a person and a place. • Learn asking opinion and expressing choice. • Learn writing personal letters • Learn about festival 	<ul style="list-style-type: none"> • Preparing presentation on your favorite festivals in India and in France. 	<ul style="list-style-type: none"> • Able to introduce and describe oneself and someone else. • Able to describe a place. • Able to write personal letters. • Able to talk about festivals.
14	Après le bac	<ul style="list-style-type: none"> • Learn new words • Learn asking opinion and information • Learn expressing wishes. • Learn the future anterior. • Learn the nominal forms • Learn about school and education system in India and in France. 	<ul style="list-style-type: none"> • Preparing a descriptive essay on school and education system in India and French. 	<ul style="list-style-type: none"> • Able to inquire and share information and opinion. • Able to use the grammatical knowledge in standard French.
12	Chercher du travail	<ul style="list-style-type: none"> • Learn new words • Learn to describe professional experiences • Learn to prepare CV • Learn relative pronouns 	<ul style="list-style-type: none"> • Preparing own CV. 	<ul style="list-style-type: none"> • Able to talk about professional experiences. • Able to prepare CV.
10	Le plaisir de lire	<ul style="list-style-type: none"> • Learn to enroll in a library. • Learn to narrate an event, a story. • Learn past perfect 	<ul style="list-style-type: none"> • Prepare a dialogue on enrollment in a library. 	<ul style="list-style-type: none"> • Able to about the enrollment processes in various institutions and the way of communication there. • Able to narrate an event, a story.

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12	Les medias	<ul style="list-style-type: none"> • Learn new words. • Learn to describe TV programs, parties and festivals • Learn the pronouns Y and ON 	<ul style="list-style-type: none"> • Prepare a presentation on your favorite TV programs 	<ul style="list-style-type: none"> • Able to describe TV programs, parties and festivals • Able to use grammar in standard French
16	Chacun ses goûts	<ul style="list-style-type: none"> • Learn to write invitation, narration, description of a visit to museum or a cinema etc. • Learn demonstrative pronoun, the pronoun ON 	<ul style="list-style-type: none"> • Prepare an invitation card for your birthday party 	<ul style="list-style-type: none"> • Able to write invitation, narration and a description of a visit to museum or a cinema. • Able to use grammar in standard French
12	En pleine forme	<ul style="list-style-type: none"> • Learn to talk about good health, healthy habits and health issues. • Learn to talk about social security 	<ul style="list-style-type: none"> • Prepare a presentation on the chart paper on healthy foods and healthy habits 	<ul style="list-style-type: none"> • Able to talk about good health, healthy habits and health issues. • Able to know about social security
12	L'environnement	<ul style="list-style-type: none"> • Learn new words. • Learn to talk about atmosphere, global warming, pollution and recycling. • Learn to talk about saving and protecting the planet. • Learn the subjunctive. 	<ul style="list-style-type: none"> • Prepare a presentation on chart paper about global warming 	<ul style="list-style-type: none"> • Able to talk about atmosphere, global warming, pollution and recycling • Able to know and discuss about saving and protecting the planet.

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
14	Métro, boulot, dod	<ul style="list-style-type: none"> • Learn new words. • Learn to talk about the city life, public transport, advantages and disadvantages. • Learn to express your desire and regret etc. • Learn prohibition. • Learn present and past conditional. 	<ul style="list-style-type: none"> • Take part in a debate on the issues of your city and the scope of development. 	<ul style="list-style-type: none"> • Able to talk about the city life, public transport, advantages and disadvantages • Able to express wish, regret and prohibition in French • Able to use conditional
16	Vive la République	<ul style="list-style-type: none"> • Learn new words • Learn speaking on phone • Learn to talk about politics • Learn passive voice 	<ul style="list-style-type: none"> • Role playing based on telephonic conversation. 	<ul style="list-style-type: none"> • Able to call and converse on phone • Able to talk about politics
12	C'est bon le progrès	<ul style="list-style-type: none"> • Learn to talk about technology, internet and computers • Learn present participle and gerund • Learn to write an email 	<ul style="list-style-type: none"> • Prepare a presentation on a chart paper showing different parts of a computer and write a paragraph on the use of internet 	<ul style="list-style-type: none"> • Able to talk about technology, internet and computers • Able to write an email
10	Vers un monde interculturel	<ul style="list-style-type: none"> • Learn to talk about the cultural diversity and globalization 		<ul style="list-style-type: none"> • Able to talk about the cultural diversity and globalization
08	Revision			

Subject: Sanskrit

NUMBER OF PERIOD	CHAPTER/UNIT TITLE	ACTIVITIES& TESTS
19	पाठ 1 2 3 स्वर एवं व्यंजन उच्चारण स्थान	श्लोक गायन
6	पाठ 4 एवं स्वर सन्धि पारिभाष	उच्चारण एवं अर्थ
15	पाठ 5 एवं स्वर सन्धि यण गुण अयादि आदि	सन्धि विगृह शब्द निर्माण
24	पाठ 6 7 एवं व्यंजन सन्धि विसर्ग सन्धि अ एवं इ कारान्त शब्द रूप	पत्र लेखन अभ्यास एवं शुद्ध उच्चारण
26	पाठ 8 9 आ कारान्त उ ऊ कारान्त शब्दरू	संख्या वाचक पद एवं वाक्य निर्माण
24	पाठ 10 11 अ कारान्त नपुंसक लिंग धातु रूप लट लृट लोट लकार	श्लोक अर्थ अन्वय भाषार्थ
17	धातु रूप आत्मने पद परस्मै पद उप पद विभक्ति प्रयोग	श्लोक गायन
15	पृत्यय त्वा ल्यप तुमुन शानच अनीयर आदि	पृत्यय द्वाराशब्द निर्माण एवं प्रयोग
19	पाठ 7 8 9 पुनरावृत्ति चित्र वर्णन वाक्य निर्माण	ढाकार प्रयोग संस्कृत गीत गायन
23	पाठ 10 11 पुनरावृत्ति पत्र लेखन समास वर्णन	
23	पाठ 10 11 पुनरावृत्ति पत्र लेखन समास वर्णन	
16	पाठ पुनरावृत्ति	

Subject: Information Technology

NO OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
8	Unit 1: Basics of Information Technology	* Internet technology	To understand the Internet technology, Services available and Web services	Class room lecture, PP Test	Students getting familiar with various services of Internet technology
		* Services available on Internet			
		* Web services			
12	Unit 2: Information Processing Tools	* Database Management Tools	Introduction to Database Management software, Learning webpage design using HTML, XML programming language	Class room lecture, PP Test	Getting familiar with DBMS tools and webpage designing
		* HTML Programming			
		* XML Language			
6	Unit 3: Societal Impact of IT	* Information security	Understanding the societal impact of IT using Information Security features	Class room lecture, PP Test	Students will understand how the ICT & various security threats & protection features
		* Knowledge based society			
		* Infomania			
6	Unit 4: IT Applications	Working on different domains like	Project based hands-on activity using tools	Class room lecture, PP Test	Students will apply knowledge gain in curriculum through project work
		a) Database design			
		b) Webpage design			
		IT Application Report File			