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Semester Overview 2022-2023

Class: 9		April 2022 - October 2023
Subject	Name of Units/Chapter	Skills
ENGLISH	MERCHANT OF VENICE : Act I, Scene 1 Act I, Scene 2 Act I, Scene 3 Act II, Scene 1 Act II, Scene 2 Act II, Scene 2 Act II, Scene 3 Act II, Scene 4 Act II, Scene 5 Act II, Scene 5 Act II, Scene 7 Act II, Scene 8 Act II, Scene 9	 Reading and viewing: Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialised language, including literature from modern and ancient cultures, short stories, novels, non-fiction and instructional material, reports and articles, advertising and promotional materials, authentic texts, poems and plays in a variety of forms.
	SHORT STORIES : Short Story : A Horse and Two Goats Short Story: The Old Man at the Bridge <u>POEMS</u> : Poem: The Heart of a Tree Poem: The Cold Within Poem: After Blenheim	 Demonstrate comprehension of visual texts with specialized features and complex ideas (e.g., visual components of media such as magazines, newspapers, web sites, reference books, graphic novels, broadcast media, videos, advertising and promotional materials) Select and use various strategies before reading and viewing to develop understanding of text, including setting a purpose, accessing prior knowledge to make and share connections, making predictions, asking questions, previewing texts Select and use various strategies
		 Select and use various strategies during reading and viewing to

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	construct, monitor, and confirm meaning, including predicting, making connections, asking and answering questions, making inferences and drawing conclusions, figuring out unknown words, reading selectively, determining the importance of ideas/events, summarizing and synthesizing, identifying facts, opinions and writers'/narrator's/characters' bias
	 Select and use various strategies after reading and viewing to confirm and extend meaning, including making inferences and drawing conclusions, reflecting and responding, using graphic organizers to record information and summarizing and synthesizing
	 Respond to selections they read or view, by expressing opinions and making judgements supported by reasons, explanations, and evidence, explaining connections (text-to-self, text-to-text, and text-to-world), identifying personally meaningful selections, passages, and images and comparing various viewpoints, analysing descriptive texts to infer meaning, opinion and attitude and synthesizing new ideas
	 Identify how structures and features of text work to develop meaning, including form, function, and genre of text (e.g., brochure about smoking to inform students; genre is persuasive) 'text features' (e.g., copyright, table of contents, headings, index, glossary, diagrams, sidebars, hyperlink, pull-quotes) literary elements (e.g., characterization, mood, setting,

viewpoint, foreshadowing, conflict, protagonist, antagonist, theme, descriptions) non-fiction elements (e.g., topic sentence, development of ideas with supporting details, central idea, evidence or example, explanation) literary devices (e.g., imagery, onomatopoeia, simile, metaphor, symbolism, personification and other figures of speech) idiomatic expressions
 Writing: Write a variety of clear personal, formal, instructional, persuasive, argumentative, imaginative and visual representations that demonstrate connections to experiences, ideas, opinions and visual clues.
 Clearly develop ideas, mood and setting by using effective supporting details, explanations, analysis, insights and sensory details
• Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a variety of lengths and patterns, with an increasingly fluid style, rhythm and flow
• Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication
• Demonstrate the effective use of tone and voice (first person, second person, omniscient narrator etc.) to suit the purpose and audience
• Use a format and/or organisation

that is meaningful, logical, effective and appropriate to the purpose and audience with an appropriate beginning (e.g. salutation in a letter, address, indentation etc.) middle (subject line, paragraphing etc.) and ending (closing etc.)
 Demonstrate effective control over all aspects of coherence and cohesion (cohesive devices, referencing, substitution, sequence markers, establishing logical relationships, conjunctions, connectives etc.)
 Select and use various strategies before writing and representing, including establishing a purpose, identifying an audience, genre, and form and generating, selecting, developing, and organizing ideas from personal interest, prompts, texts, and/or research
 Select and use various strategies during writing and representing to express and refine thoughts, including analysing models of literature accessing multiple sources of information consulting reference materials considering and applying feedback from discussions to revise ideas, organization, voice, word choice, and sentence fluency revising and editing
 Select and use various strategies after writing and representing to improve their work, including checking their work against established criteria revising to enhance writing traits (e.g., ideas, sentence fluency, word choice, voice, organization) editing for conventions (e.g., grammar and usage, capitalization, punctuation,

spelling
 Use writing and representing to critique, express personal responses and relevant opinions, and respond to experiences and texts Write short pieces of continuous prose in response to questions by developing explanations, analysing the relationships in ideas and information, making generalizations, speculating about alternative viewpoints, providing supporting evidence and presenting personal opinions
 Use the features and conventions of language accurately to express meaning in writing and representing, including complete simple, compound, and complex sentences subordinate and independent clauses correct subject-verb and pronoun agreement in sentences with compound subjects correct and effective use of punctuation conventional Canadian spelling for familiar and frequently used words spelling unfamiliar words by applying strategies (e.g., phonic knowledge, use of common spelling patterns, dictionaries, thesaurus) legible writing appropriate to context and purpose
Grammar and Vocabulary:
 Identify and explain how syntactic and structural features convey meaning Use tenses (simple, continuous, perfect and perfect continuous) accurately to convey time and sequence of events Use pronouns, referencing and substitution accurately to indicate

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	 clear relationships within and between sentence Identify and use a wide range of simple, compound and complex sentences with flexibility and accuracy to suit the purpose and format of the text Explore and use varied sentence structures to convey the same meaning Use punctuation and other structural clues to infer and convey meaning Select and use words (verbs, noun phrases, adjectives and adjective phrases, adverbs, modifiers) to convey precise meaning, nuances, intensity, mood, attitude, register, tone and opinion Identify and use synonyms and paraphrase effectively Identify and record how descriptive language is used in texts to convey meaning Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning Demonstrate an awareness of style
	meaning

Semester 1

HINDI(साहित्य सागर गद्य भाग) पाठ1: बात अठन्नी की पाठ 2: काकीReading and Comprehending Dictionary skills(साहित्य सागर पद्य भाग) पाठ1: साखी पाठ 2: गिरिधर की कुंडलियाँ
 Writing character sketch Understanding proverbs Story writing letter writing Unseen passage Sentence structure Synonyms Antonyms Noun and Pronoun Adjectives Proverbs and Idioms Tenses

MATHS	Unit 4: Algebra-I Chapter 3: Expansions Chapter 4: Factorization Chapter 5: Simultaneous Linear Equation	 Perform operations on algebraic expressions Solve real-world problems in which phrases are translated into algebraic expressions Simplify the complex algebraic expressions Convert numbers between exponential form, factor form and standard form Apply exponential laws to solve simple and complex problems Define a perfect square trinomial Factorise a perfect square trinomial Describe different factorization strategies to factor a polynomial completely Discover the need for exponential notation when writing a product of many factors Solving linear equations by various methods
	Unit 4: Geometry Chapter 8: Triangles Chapter 9: Mid Point and Intercept theorem Chapter 10: Pythagoras Theorem	 Classify a triangle according to its sides/angles Explain the terms related to a triangle Describe the properties of a triangle State/Apply theorems involving properties of a triangle State the definition of congruent triangles Determine the correspondences between parts of congruent triangles Know/apply these methods for proving congruence of triangles: SSS, SAS, ASA, and AAS

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	 Recognize the types of conclusions that can be established by using CPCTC State/apply theorems involving inequalities in a triangle State/apply the Pythagoras Theorem. State/apply the Mid Point Theorem
Unit 5: Statistics Chapter 14: Frequency Distribution Chapter 15: Mean And Median of Ungrouped Data, Frequency Polygon	 Collect/Organize data for appropriate statistical analysis Effectively display the information in data sets graphically in the form of a histogram and frequency polygon Describe different ways to represent a data like mean, mode and median Describe/apply the formulas to calculate mean, mode and median
Unit 6: Mensuration: Chapter 16: Perimeter and Area of Plane Figure Chapter 17: Circumference and area of a circle	 Apply the concepts learned to solve real world problems State different units of measurements State/apply the formulas to calculate area of plane figures Calculate areas of irregular figures Apply the concepts of mensuration to solve real world problems State/apply the formulas to calculate volume and surface area
Unit 1: Pure Arithmetic: Chapter 1 : Rational and Irrational Numbers	 Recognize different types of number systems Understand the arithmetical properties of the numbers Perform arithmetic operations with complex numbers Represent a rational number on number line

		 Perform the Rationalization operation and explain its importance in making the calculations easy
PHYSICS	Unit 1: Measurement Chapter 1: Measurement and Experimentation	 Describe the need of a physical quantity and its unit. Convert quantities from one unit system to another. Measure the time period of a simple pendulum Apply the concepts in solving real life problems.
	Unit 2: Pressure Chapter 4: Pressure in fluids and Atmospheric Pressure Chapter 5: Upthrust in Fluids and Archimedes' Principle	 Differentiate between thrust and pressure Describe the laws of liquid pressure. Apply the formula P = hpg to solve various word problems related to liquid column State and apply Pascal's Law. Describe atmospheric pressure and its common consequences Explain the working and construction of different types of barometer. Explain the application of a barometer in weather forecasting. Explain upthrust and buoyant force Describe Archimedes Principle and its applications. Verify the Archimedes principle experimentally. Measurement of relative density by Archimedes Principle Describe and apply the principle of Flotation
	Unit 3: Motion Chapter 2: Motion in one Dimension Chapter 3: Laws of Motion	 Differentiate between scalar and vector quantities. Apply the equations of motion to solve simple real life problems Represent the distance/

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		 displacement time data graphically and analyse it Describe the concepts and examples of contact and non contact forces Describe laws of motion, inertia and momentum with respect to various events in the surrounding. Explain universal law of gravitation and apply it in word problems.
CHEMISTRY	Chapter 4: Atomic structure and chemical bonding	 Understanding valence shells and its accommodation. Solving Organic reactions perform calculations and draw reasonable, accurate conclusions.
	Chapter 1: The language of Chemistry	 Identify symbols and formulae Understand and write chemical reactions Balance a chemical reactions Calculate molecular mass Understand new terms
	Chapter 2: Chemical changes and reactions	 Analyze difference between physical and chemical change Scientific method of thinking Synthesize, separate and characterize compounds Accurately interpret numerical data Ability to learn new information rapidly and efficiently Gathering data, making and testing models and predictions Practical skills Analyzing and modeling a physical process Skills with chemical instrumentation
	Chapter 3: Water	 Distinguishing the different waterborne diseases

BIOLOGY	Unit 1: Basic Biology Chapter 2: Cell- The Basic Unit of Life	 Define cell State major postulates of Cell Theory Draw diagram to represent basic structure of the cell Differentiate between plant and animal cell Explain structure and functions of various cell organelles Differentiate between Prokaryotic and Eukaryotic Cell Understand tissue as combination of cells
	Chapter 3 : Tissues - Plant and Animal Tissues	 Classify Plant Tissues State the characteristics and location of various types of plant tissues Classify Animal Tissues State the characteristics and location of various types of animal tissues Explain the structure and functions of various tissues
	Unit 2: Flowering Plants Chapter 4: The Flower Chapter 5: Pollination and Fertilization	 Explain and draw structure of bisexual flower Write a general description and function of the floral parts Explain the significance of self and cross pollination Differentiate between self and cross pollination Give Examples of pollination Explain the process of fertilization in flowering plants
	Unit 3: Plant Physiology Chapter 6 : Seeds- Structure and Germination Chapter 7 : Respiration in plants	 Define Fruit and seed Draw and label diagrams of dicot and monocot seeds Define germination of seeds and explain its types Differentiate between epigeal and hypogeal germination List conditions necessary for

		 germination Understand respiration as a process of energy liberation in plants Differentiate between photosynthesis and respiration Differentiate between aerobic and anaerobic respiration Outline the process of respiration and gaseous exchange Perform experiments to prove various aspects of germination and respiration in plants
	Unit 4: Diversity in Living Organisms Chapter 9: Economic Importance of Bacteria and Fungi	 Appreciate the role of bacteria in medicine, agriculture and industry Consider and take appropriate measures against harmful role of bacteria Appreciate Economic importance of Fungi
HISTORY	Unit 1: The Harappan Civilization	 Understand the importance of History Identify the steps towards civilization Identify the cradles of civilization Find the causes of Decline of the Harappan Civilization
	Unit 2: (Chap - 2,3) The Vedic Age	 Identify the sources of early and later Vedic society Do comparative study of early and later Vedic society Understand the most famous literary works of the later Vedic period - The Ramayana and the Mahabharata
	Unit 3: Jainism & Buddhism	 Identify the causes for the rise of Jainism and Buddhism in the 6th century BC Understand doctrines and impact of Jainism and Buddhism

	Unit 4: The Mauryan Empire	 Identify the sources of information of the Mauryan Empire know the rulers of Mauryan empire Understand aim of Ashoka's Dhamma and its relevance in present time
	Unit 5: The Sangam Age	 Understand the social and religious development during the Sangam Age Explore the roles of and contributions of various reformers
	Unit 6 : The Age of the Guptas	 Understand the establishment of the Gupta empire Describe the golden age of the Guptas Describe the social life Explain the contributions of Gupta rulers
	Unit 7: The Southern Empires	 Understand the establishment of major Southern kingdoms - the Cholas, the Pandyas, the Pallavas, the Cheras Explore the achievements of major rulers Describe the social, economic and political lives
CIVICS	Unit 1: (Chap - 1 to 4) Our Constitution	 Understand enactment of the Indian constitution Composition and formation of the Constituent Assembly Understand the main principles in the Preamble List the features of constitution List down the fundamental rights and duties Differentiate between rights and duties Describe the directive principles of

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Unit 2: Elections and Commission	 state policy Explain the difference between directive principles and fundamental rights Understand the meaning of the welfare state. Understand the importance of Election in democracy Understand kind and types of Election Understand essential differences between direct and indirect elections Understand the working of Election Commission
Unit 3 : Political Part	 Analyse the political system of India Identify national and regional political parties Compare and contrast different political parties
Planet Chapter 2: 6	 Analyse reasons for the Earth of being an unique planet Identify equatorial and polar diameter of the earth Assess the size and measurement of the earth Demonstrate effect of different incidence of angle of sun rays Find out the location and extent of any place that exists on the earth surface. Assess and evaluate the climatic conditions of any place with the help of their location. Compare the time zones of Russia and USA. Analyse the reason for addition and deduction of day while crossing the International Date Line. Construct opinion about 'What would happen if International Date

	 Line passes through continents' Assess the effects of the Earth's movement Application of new key terms in the real life
Unit 2: Structure of the Earth Chapter 4: Structure of the Earth Chapter 6: Rocks Chapter 7: Volcanoes Chapter 8: Earthquakes	 Compare and contrast different layers of the Earth in the interior part Examine the composition of different layers of the Earth State the properties of core, mantle and crust. Young fold mountains are liable to earthquakes and volcanic action. Compare and contrast difference between Epeirogenic movement and orogenic movement
Unit 3 : Natural Regions of the World Chapter 20: Natural regions of the World	 State the properties of igneous, sedimentary and metamorphic rocks Assess the reasons for the Circum Pacific Belt known as the Pacific Ring of Fire Classification of volcanoes and volcanic land forms Examine the cause of earthquakes in the belt of young fold mountains

Semester 1

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COMPUTER APPLICATIONS	Chapter 1: Unit 2: Introduction to Java	 Types of Java program, Features of JavaCompilation process, Java Source code, Bytecode, JDK, JVM, JRE.
	Chapter 2 : Values and Datatype	 Character set ,ASCII code, Unicode, Escape sequence character,Tokens,Constants,Variabl es, Identifiers, Type Conversion.
	Chapter 3 :Input in Java	 Types of Comments,ways of inputting the data-Function argument,InputStreamReader Class, Scanner Class,Types of Errors
	Chapter 4:Operators	 Types of operators, Hierarchy of operators, New and Dot operator.
	Chapter 5 :Conditional Statements	 Application of if, if else, if else ladder, switch case, default, break,
ART	 Paper 1: Still Life 3D shapes Object collected from campus Different objects composition Paper 4: Applied Art Poster making Book jacket designing Advert making Logo designing and its stationary Card design Wrapper design 	 To acquire a knowledge of artistic terms, facts, concepts, theories and principles in drawing and painting, i.e. imagination, creativity, expression, aesthetic sense, organisation, observation and interest. To develop an interest in the world of art. To develop an artistic attitude and values through the study of art. To acquire skills in observations, handling tools and drawing illustrations. Based on the art papers offered at school, the above mentioned points will focus on the following artistic skills and techniques: Composition Perspective Space and formation Proportion Association of ideas Creative and critical thinking

	 Illustration Imaginative expression Quality of pattern, line and materials. Skill in the use of tools and materials. Use of colour.
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