

Semester Overview

Class: 7		October 2020 – March 2021
Subject	Name of Units/Chapter	Skills
ENGLISH	<p>Daffodils (Poem)</p> <p>The Lumber Room (Prose)</p> <p>The Listeners (Poem)</p> <p>The Hitch Hiker (Prose)</p> <p>The Lake Isle of Innisfree (Poem)</p> <p>Bridge to Terabithia (Novel)</p>	<p>Reading and viewing:</p> <p>Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialized 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</p> <p>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)</p> <p>Select and use various strategies <i>before reading and viewing</i> to develop understanding of text, including setting a purpose, accessing prior knowledge to make and share connections, making predictions, asking questions, previewing texts</p>

		<p>Select and use various strategies <i>during</i> reading and viewing to 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</p> <p>Select and use various strategies <i>after</i> 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</p> <p>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</p> <p>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,</p>
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		<p>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</p> <p>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</p> <p>Clearly develop ideas, mood and setting by using effective supporting details, explanations, analysis, insights and sensory details</p> <p>Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a variety of lengths and patterns, with an increasingly fluid style, rhythm and flow</p> <p>Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication</p> <p>Demonstrate the effective use of tone</p>
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		<p>and voice (first person, second person, omniscient narrator etc.) to suit the purpose and audience</p> <p>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.)</p> <p>Demonstrate effective control over all aspects of coherence and cohesion (cohesive devices, referencing, substitution, sequence markers, establishing logical relationships, conjunctions, connectives etc.)</p> <p>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</p> <p>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</p> <p>Select and use various strategies after</p>
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		<p>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</p> <p>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</p> <p>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</p> <p>Grammar and Vocabulary: Identify and explain how syntactic and</p>
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		<p>structural features convey meaning</p> <p>Use tenses (simple, continuous, perfect and perfect continuous) accurately to convey time and sequence of events</p> <p>Use pronouns, referencing and substitution accurately to indicate clear relationships within and between sentence</p> <p>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</p> <p>Explore and use varied sentence structures to convey the same meaning</p> <p>Use punctuation and other structural clues to infer and convey meaning</p> <p>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</p> <p>Identify and use synonyms and paraphrase effectively</p> <p>Identify and record how descriptive language is used in texts to convey meaning</p> <p>Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning</p> <p>Demonstrate an awareness of style and collocation</p> <p>Demonstrate full control over spelling and word formation</p>
<p>HINDI</p>	<ul style="list-style-type: none"> • Sarfaroshi ki tamanna • Surdaas ke pad • Teen Prashan • Rakhi ka Mulya 	<p>Reading</p> <p>Read fluently and demonstrate comprehension also enjoy the experience of reading challenging literature</p> <p>Read complex texts actively, recognize</p>

		<p>key passages and comprehend the literal and figurative uses of language. Increase understanding and recall of what is read including facts and importance of the main idea Critically analyze and evaluate reading material Perceive themselves as achieving grade level reading skills Identify main idea in reading material Discuss and respond to content of reading Read longer works in variety of style including drama,poetry,essays and short stories Continue to use resources to increase vocabulary and gain deeper understanding by using context clues Summarize stories and discuss author's use of word choice</p> <p>Writing Write short and long answer independently Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication Fluent and precise transitions between sentences, ideas, and paragraphs Construct essays (200 words) integrating critical thinking coherently and accurately using vocabulary in all time frames- present, past and future with paragraph length connected discourse Engage in formal writing assignments that require utilization of all stages of the writing process (letter writing) Express themselves effectively in a</p>
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		<p>variety of forms (news, diary, and picture composition) Engage in revision in the following areas: -clear, understandable, and accurate language -incorporation of sentence variety (simple, compound, complex) Evaluate their own writing according to established criteria and rubrics Maintain neatly organized writing portfolios for use in tracking their growth as maturing writers Use correct and effective use of punctuation</p> <p>Listening and speaking Speak and listen to interact with others. Listen critically to understand and analyze ideas Demonstrate enhanced vocabulary knowledge and usage Verbally participate in group discussions appropriately and spontaneously Tell and listen to experiences of self and others Spontaneously produce a wide variety of grammatically simple and complex sentences Recognize and use words to describe concepts/ideas</p> <p>Grammar Identify and explain how syntactic and structural features convey meaning. Use all four forms of 'Ra' (Padon, Ref etc) in words Understand Tatsam and tadbhav Understand the difference between ki</p>
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		<p>and kii</p> <p>Understand sanyukt akshar and Sanyukt vyanjan</p> <p>Identify and use 'Nipaata' (To, bhi, par)</p> <p>Use tenses (past,present and future) accurately to convey time and sequence of events</p> <p>Understand different types of sentences (simple, compound and complex)</p> <p>Identify and use noun (vyakti vachak, jati vachak and bhavvachak sangya with examples and uses) and pronoun (purush vachak, prashan vachak, sambandh vachak, nij vachak and nishay and anishchay vachak with examples and uses)</p> <p>Use direct and indirect speech effectively with appropriate punctuation</p> <p>Identify and use antonyms, synonyms, gender, singular, plural and paraphrase effectively</p> <p>Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning</p> <p>Demonstrate full control over spelling and word formation</p> <p>Use karak chinha, prefix and suffix and identify vartini ki ashudhiyan</p> <p>Demonstrate effective control over use of verbs (types of verbs 'akarmak aur sakarmak kriya)</p> <p>Understand use of adverbs</p> <p>Format of the text</p> <p>Demonstrate effective control over use of verbs, adjectives and noun</p> <p>Use direct and indirect speech effectively with appropriate punctuation</p> <p>Demonstrate full control over spelling and word formation</p>
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<p>MATH</p>	<p>Number Sense: Decimal fraction Rational numbers Exponents Profit and loss and simple interest Speed distance time</p>	<p>Identify the purpose of using decimals Recognizing like and unlike decimals from the given decimal numbers Compare given decimal numbers Perform various operations on decimal numbers Examine examples of real-world problems involving decimals Recognize when to round a decimal quotient Identifying a decimal number as terminating/ non terminating Apply all concepts and procedures involving decimals to solve real-world problems. Solve all the 4 operations of rational numbers. Identify the properties of rational numbers Solve daily life problems Define base and exponent Discover the need for exponential notation when writing a product of many factors Recite and write numbers in exponential form Indicate if a number is written in exponential form, factor form or standard form Restate the rules for a base with an exponent of zero/one and other laws of exponents Convert numbers between exponential form, factor form and standard form Apply exponential laws to solve simple problems Describe terms profit, loss, cost price, selling price discount and marked price taking real life examples</p>
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	<p>Geometry: Properties of triangle Constructions</p> <p>Algebra: Operations of algebraic equations Simple linear equation in one variable</p> <p>Mensuration: Perimeter and area of, triangle and circle</p> <p>Data Handling: Statistics Graphical Representation of data Pie chart</p>	<p>Describe terms profit percent, loss percent and discount percent Frame the formulas to calculate profit/loss, profit %/Loss % and discount/diskout % Describe alternate procedures for finding profit/loss, profit %/Loss % and discount/diskout % Apply the formulas/alternate procedures to solve problems related to real world Solve problems related to speed, distance and time</p> <p>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</p> <p>Identify and perform basic operations Form an algebraic equation using one variable and solve for the value of unknown</p> <p>State different units of measurements State/apply the formulas to calculate area of plane figures like triangle and circle Apply the concepts of mensuration to solve real world problems</p> <p>Collect/Organize data for appropriate statistical analysis Effectively display the information in data sets graphically in the form of a bar graph and pie chart Find various representative values(Mean, median and mode) for simple data from</p>
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		daily life
PHYSICS	<p>Chapter 4: Light Energy</p> <p>Chapter 5: Heat</p> <p>Chapter 6: Sound</p> <p>Chapter 7: Electricity and Magnetism</p>	<p>Explain the phenomenon of reflection Define the terms- plane, normal to the plane, point of incidence and angle of reflection State law of reflection Describe reflection of light from a plane mirror Use law of reflection to show formation of image by a plane mirror Describe the characteristics of image formed by a plane mirror State the value of speed of light</p> <p>Define Heat as energy Define units of heat Describe temperature scales: degree Celsius, Fahrenheit and Kelvin Describe different effects of heat Explain different modes of heat transfer Decide about conductor and insulator of heat in different applications Describe construction and working of thermos flask</p> <p>Identify different sources of sound Describe sound as a longitudinal wave Define amplitude and frequency of sound Demonstrate that sound requires a medium to transmit List examples of reflection and absorption of sound Analyze the relative speed of sound in different mediums Design a soundproof box</p> <p>State law of magnetism Describe test for a magnet</p>

		<p>Explain the phenomenon of electromagnetism</p> <p>Describe an electromagnet and its uses</p> <p>Construct and explain the working of an electromagnet</p> <p>Relate current to flow of charge</p> <p>Recognize electric cell as a source of electricity</p> <p>Define resistors as the component that opposes the flow of current</p> <p>Represent different components like cell, battery, key, bulb, connecting wire, resistor by standard symbols</p> <p>Make simple series circuits and simple parallel circuits</p> <p>Recognize battery as combination of cells in series</p> <p>Define conductors and insulators of electricity</p>
CHEMISTRY	<p>Chapter 4: Atoms molecules and radicals</p> <p>Chapter 5: Language of chemistry</p>	<p>Define atom, molecule and radical</p> <p>Discuss the significance of valency of elements and radicals</p> <p>Define valency in terms of number of hydrogen atoms combined or replaced by one atom of the element</p> <p>Apply the definition based on hydrogen atom to find out the valency of other elements and radicals</p> <p>Correlate the valency of the elements with group number of periodic table</p> <p>Identify the names of reactant and products of different chemical reactions</p> <p>Write a chemical reaction in the form of a chemical word equation</p> <p>Recognize the usefulness of a word equation</p>

	Chapter 6: Metals and non metals	<p>Differentiate between metals and non metals on the basis of their physical properties</p> <p>Describe common uses of some of the metals and non metals</p>
BIOLOGY	<p>Chapter 4: Photosynthesis and Respiration</p> <p>Chapter 5: Excretion in Humans</p>	<p>Define photosynthesis</p> <p>List down factors affecting photosynthesis</p> <p>Check the necessity of factors through simple experiments</p> <p>Observe the experimental set ups and draw inferences from it</p> <p>Explain the significance of photosynthesis</p> <p>Perform the experiment to demonstrate the process of photosynthesis</p> <p>Write the balanced chemical equation for the process of photosynthesis</p> <p>Identify the adaptations in leaves to carry out photosynthesis</p> <p>Define Respiration</p> <p>Compare and contrast aerobic and anaerobic respiration in plants</p> <p>Explain the stepwise process of photosynthesis</p> <p>Differentiate between photosynthesis and respiration</p> <p>Define excretion</p> <p>Enlist the substances that need to be excreted from the body</p> <p>Label the diagram of excretory system in human beings</p> <p>Explain the role of different organs of excretory system</p> <p>Explain the internal structure of kidney</p> <p>Draw a well labelled diagram of internal structure of kidney</p> <p>Explain the role of kidneys in urine</p>

	<p>Chapter 6: Nervous System</p>	<p>formation</p> <p>Explain the role of accessory excretory organs (Skin, lung, liver, salivary glands)</p> <p>Define osmoregulation</p> <p>Identify common disorders of the urinary system through symptoms</p> <p>Understand the causes and consequences of disorders of the urinary system</p> <p>Understand the need for dialysis</p> <p>Name the two important systems for control and coordination in human body</p> <p>Draw a well labelled diagram of a neuron and explain its structure</p> <p>Differentiate between different types of nerves</p> <p>Name the different parts of nervous system</p> <p>Match the parts of brain with the activities they control</p> <p>Appreciates the role of spinal cord</p> <p>Recognise the different parts of brain in its median section</p> <p>Differentiate between spinal nerves and cranial nerves</p> <p>Understand the meaning of different terms like stimulus, response, impulse, receptor and effector</p>
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History	<p>Unit 3: The Delhi Sultanate</p> <p>Unit 4: The Mughal Empire</p>	<p>Analyse the lives of people during the reign of Delhi Sultanate Critically evaluate the rule of various rulers at this time</p> <p>Establishment of the Mughal Empire Analyse the contribution of Mughal rulers Analyse the impact of the Mughal Rule on Indian culture Critically evaluate the rule of various rulers, particularly Babur, Akbar and Aurangzeb Analyse the various causes for the decline of the Mughal Empire</p>
CIVICS	Unit 2: Directive Principles of State Policy	<p>Understand the importance and purpose of Directive Principles Analyse the importance of a welfare state Understand the features of a welfare state</p>
GEOGRAPHY	<p>Theme 5 Industries</p> <p>Theme 7 Study of Continents: Europe, Africa, Australia and Antarctica</p>	<p>Need, types and importance of Industries. How does industries cause pollution and its prevention?</p> <p>Location and boundaries of the four continents. Major physical features and their location on map</p>
GUJARATI	<p>Chapter - 10 Murakhna sardaro</p> <p>Chapter-8 Patra lakhvani maja</p> <p>Chapter-9 Hu to puchhu</p>	<p>Listening and speaking skill: Practice to improve performance when reading aloud Speak clearly and confidently on small topics Listen to any audio or any general information, understand it and give logical</p>

		<p>answers Take turns in discussion, building on what others have said Listen and respond appropriately to others' views and opinions Listen to any audio or any general information, understand it and give logical answers</p> <p>Grammar Give answers to any unseen comprehension (prose or poetry) Establish the uses of punctuation marks (Question Mark, Full stop, Comma, Exclamation) Give grammatically correct answers Differentiate between swaras and vyanjans Identify nouns, pronouns, verbs (kriya shabd), singular plural (vachan) and gender and use them appropriately</p> <p>Reading Read a range of short stories and books Practice reading and reciting poems Note how text is organised in stanzas and paragraphs Read aloud with expression to engage the listener During reading, develop an awareness of their mistakes, understand them and correct them on their own Identify the difference between 'shuddha' and 'ashuddha' words while reading Read a range of short stories and books Practice reading and reciting poems Identify the main points or gist of what</p>
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		<p>has been read</p> <p>Writing</p> <p>Begin to write a simple play-script, story, letter, and essay in 100 words</p> <p>During writing, develop an awareness of their mistakes, understand them and correct them on their own</p> <p>Write answers to the questions in few sentences with logical connections</p> <p>Ensure consistency in the size and proportion of letters and spacing of words</p> <p>Choose and compare words to strengthen the impact of writing</p>
ICT	<p>Chapter 3: Q Basic</p> <p>Chapter 1: Introduction to Number system</p> <p>Chapter 4: Spreadsheet software</p> <p>Chapter 5: Malicious Software</p> <p>Chapter 8: Ethics and safety measures</p>	<p>Decision making- if else statements, loop statements- for and while</p> <p>Software and its types, introduction to number system, conversion of decimal to binary and binary to decimal number system</p> <p>Elements of a formula, cell references, functions, auto-sum, elements of a chart,</p> <p>Definition and example of virus</p> <p>Types of virus</p> <p>Virus symptoms and harms</p> <p>Antivirus</p> <p>Forms of virus attack</p> <p>Internet ethics</p> <p>Plagiarism</p> <p>Cyber bullying, Hacking, Phishing, software piracy, digital footprints</p>