

CURRICULUM GRADE-8



CURRICULUM

OVERVIEW

The aim of education is to nurture future citizens who are mentally and physically robust, assertive, confident, empathetic and helpful to the community with creative vision, with a sense of patriotism and a global perspective.

Any good curriculum should meet the needs of the learner, both of the present and the future, in the context of the knowledge and skills requirement of the 21st century. A general and comprehensive school education will establish a strong platform and foundation not only for higher studies leading to a career, but also overall empowerment of the individual for a meaningful life.

The focus in our curriculum is not on the delivery and memorization of content but on the understanding of concept and the development of skills as appropriate to each subject domain specifically the 21st century skills i.e. four Cs: Collaboration, Critical thinking, Communication and Creativity. Critical thinking envisages a focus not on memorization and rote learning but on the Higher Order Thinking Skills i.e. understanding, application, analysis, synthesis, evaluation and creativity. Classroom practice will reflect this new focus. Collaboration and independent learning will become more important skills of an empowered learner rather than memorization.

We offer a broad, balanced, relevant, differentiated and inclusive curriculum to all students. The curriculum will adopt the following principles:

- To nurture individuality and thus enhance one's innate potential.*
- To develop a scientific outlook and transformative competencies, in order to meet the demands of changing society.*
- To create a connection between learner's spiritual, ethical, social, cognitive, mental and physical growth and development.*

OBJECTIVES:

- 1) To nurture assertive communication and interpersonal skills.*
- 2) To develop abilities related to thinking skills and problem solving.*
- 3) To acquire the ability to utilise technology and information for the betterment of humankind.*
- 4) To inspire the attitude of functional and participatory learning.*
- 5) To learn to be empathetic towards others, display dignity and respect to the opposite gender, to contribute for the community and focus on preserving environment.*

In order to achieve the above mentioned objectives, the curriculum shall focus on the development of:

- 1) Effective communication skills which involves making effective use of all kinds of symbols (such as language in both verbal and non-verbal form, sounds, motion, visual and written) and tools (such as media and technology) in order to develop interpersonal relationship through skills of listening attentively to and communicating effectively with others, and sharing various perspectives and information assertively with others.*
- 2) Thinking skills and problem solving, which involves cultivating the ability and habit of thinking creatively and reflectively, making logical analysis and decisions and effectively solving problems and resolving conflicts.*
- 3) Utilisation of technology and information involves the utilisation of technology in a safe, positive and effective way for boosting learning efficacy and living quality.*

- 4) *Functional and participatory learning leading to the development of higher order thinking skills, encouraging inquisitiveness and keen observation, actively exploring and discovering solutions and applying knowledge, attitudes and skills in daily life.*
- 5) *Empathy involves being aware of other people's feelings and situations, respect for the opposite gender, tolerant of different opinions and unbiased to humans and group of different identities, with respect for life and thoughtful for community, the environment, and nature, obeying and respecting rules of the law, and holding an attitude which is conducive to collaborative work and leads to individual, global as well as societal transformation.*
- 6) *To develop qualities clustered around the personal, social, moral, national and spiritual values that make a person humane and socially effective.*

STATEMENTS:

Our middle school curriculum serves as a bridge between elementary school and high school and is designed to educate young adolescents in a way that meets their unique developmental needs. All students take seven periods of class. Clubs, sports, visual and performing arts, library, computer literacy, lunchtime, and service projects provide many opportunities for students to be involved in school. 6 to 8 grade students take four core studies and four elective courses to compliment their core studies.

CORE STUDIES:

English, Mathematics, Science and Social Sciences,

ELECTIVE COURSES:

Additional Language (Hindi), Additional Language (French), Additional Language (Sanskrit), Visual and Performing Arts, Computer Literacy and Physical Education.

The academic year is divided into two terms.

Unit Test - 1	:	July 28, 2025 to August 02, 2025
First Term Examination	:	September 18, 2025 to September 30, 2025
Unit Test - 2	:	December 01, 2025 to December 13, 2025
Final Term Examination	:	March 02, 2026 to March 18, 2026

ENGLISH

OVERVIEW

As English is the medium of instruction, development of competence in English enables the accelerated learning of other subjects also. The emphasis is on the development of fluency with the balance of all skills i.e. listening, speaking, reading, writing and also refining the student's ability to express himself by focusing on Higher Order Thinking Skills transacted through the medium of English.

OBJECTIVES

By the end of Grade 8, students will be able to:

- Determine theme or central idea of a text and analyze its development over the course of the text, including its relationship to the characters, setting, and plot; provide an objective summary of the text.
- Analyze how particular lines of dialogue or incidents in a story or drama propel the action, reveal aspects of a character, or provoke a decision.
- Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.
- Compare and contrast the structure of two or more texts and analyze how the differing structure of each text contributes to its meaning and style.
- Write arguments to support claims with clear reasons and relevant evidence
- Introduce claim(s), acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.
- Support claim(s) with logical reasoning and relevant evidence, using accurate, credible sources and demonstrating an understanding of the topic or text.
- Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.
- Use formal language in order to draft formal letters to various institutes and entities..
- Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
- Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
- Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.
- Use precise language and domain-specific vocabulary to inform about or explain the topic.
- Write narratives to develop real or imagined experiences or events using effective technique, relevant descriptive details, and well-structured event sequences.
- Use a variety of transition words, phrases, and clauses to convey sequence, signal shifts from one time frame or setting to another, and show the relationships among experiences and events.
- Use precise words and phrases, relevant descriptive details, and sensory language to capture the action and convey experiences and events. Provide a conclusion that follows from and reflects on the narrated experiences or events.
- Develop and strengthen writing as needed by planning, revising, editing and rewriting. Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas efficiently as well as to interact and collaborate with others.
- Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>April</i>	• <i>Article</i>	<ul style="list-style-type: none"> • <i>Read the text to draw conclusions, interpret information provided and summarize.</i> • <i>Identify the problems faced and the solutions to the problems.</i> • <i>Analyze the responses of the characters in an emergency.</i>
	• <i>Story Writing</i>	• <i>Write a story using opening lines.</i>
	• <i>Vocabulary</i>	• <i>Use expressions with 'skin'. (jump out of one's skin etc.)</i>
	• <i>LSRW Skills</i>	• <i>Listen to a story and summarize it.</i>
<i>June</i>	• <i>Inspirational poem</i>	<ul style="list-style-type: none"> • <i>Read to paraphrase and understand the central idea of the poem and how it is conveyed through particular details.</i> • <i>Discuss the use of imagery as literary device.</i> • <i>Appreciate the emotions portrayed in the poem.</i> • <i>Appreciate the positivity in the poem.</i>
	• <i>Informal E-mail</i>	• <i>Write an e-mail to friends and family.</i>
	• <i>Diary Entry</i>	• <i>Write a diary entry taking into account burning social issues.</i>
	• <i>Functional Grammar Practise (Tenses)</i>	• <i>Make use of different types of tenses</i>
<i>July</i>	• <i>LSRW Skills</i>	• <i>Listen to a narrative poem and paraphrase it.</i>
	• <i>Short Story</i>	<ul style="list-style-type: none"> • <i>Read the text to discuss use of humour to develop a story.</i> • <i>Discuss plot, setting and theme of the story.</i> • <i>Read the text to draw conclusions.</i>
	• <i>Formal Letter of Complaint</i>	• <i>Write a letter of complaint.</i>
	• <i>Vocabulary</i>	• <i>Make use of phrasal verbs with bring, blow, look,</i>
	• <i>Functional Grammar Practise (Determiners)</i>	• <i>Edit passages to correct determiners.</i>
	• <i>LSRW Skills</i>	• <i>Listen to a humorous story and answer the given questions.</i>
Unit Test – 1		
<i>August</i>	• <i>Article</i>	<ul style="list-style-type: none"> • <i>Read to analyze the elements of an article.</i> • <i>Read the text to draw conclusion, interpret information provided and summarize.</i>
	• <i>Narrative Poem / Our Casuarina Tree</i>	<ul style="list-style-type: none"> • <i>Recite the poem with correct intonation, pause and stress.</i> • <i>Mark how spiritual and nostalgic elements arise in a poem.</i>
	• <i>Vocabulary</i>	• <i>Use Figures of Speech- Oxymoron, Metaphor, Imagery, Repetition.</i>
	• <i>Functional Grammar Practise (Question Tags and Process Writing)</i>	<ul style="list-style-type: none"> • <i>Use Question Tags.</i> • <i>Rewrite processes making use of passive voice.</i>
	• <i>LSRW Skills</i>	• <i>Listen to an autobiography of great personality and discuss trials and tribulations of his / her life.</i>
<i>September</i>	<i>Revision</i>	
	First Term Examination	
<i>October</i>	• <i>Humorous Short Story</i>	<ul style="list-style-type: none"> • <i>Read and determine central idea and analyze its development over the course of story including its relationship to the characters, setting and plot.</i> • <i>Appreciate a simple humorous fiction.</i> • <i>Develop sensitivity to Irony and Humour.</i> • <i>Read the story and change the climax.</i>

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i>
<i>October</i>	<ul style="list-style-type: none"> <i>Fable</i> 	<ul style="list-style-type: none"> <i>Analyze elements of fable.</i> <i>Read to discuss the ideas in the text for critical and creative thinking.</i>
	<ul style="list-style-type: none"> <i>Descriptive paragraph writing</i> 	<ul style="list-style-type: none"> <i>Write a descriptive paragraph.</i>
	<ul style="list-style-type: none"> <i>Vocabulary</i> 	<ul style="list-style-type: none"> <i>Make use of Acronyms in sentences.</i>
	<ul style="list-style-type: none"> <i>Functional Grammar Practise (Subject-Verb Agreement)</i> 	<ul style="list-style-type: none"> <i>Make use of subject-verb agreement.</i>
<i>November</i>	<ul style="list-style-type: none"> <i>LSRW Skills</i> 	<ul style="list-style-type: none"> <i>Read a fable and discuss important elements.</i>
	<ul style="list-style-type: none"> <i>Humorous Poem</i> 	<ul style="list-style-type: none"> <i>Read to appreciate a humorous poem and discuss use of literary devices.</i> <i>Write a critical appreciation of the poem.</i>
	<ul style="list-style-type: none"> <i>Advertisement writing</i> 	<ul style="list-style-type: none"> <i>Design an advertisement for a product</i>
	<ul style="list-style-type: none"> <i>Vocabulary</i> 	<ul style="list-style-type: none"> <i>Use words related to Photography in writing skills.</i>
<i>December</i>	<ul style="list-style-type: none"> <i>Functional Grammar Practise (Reported Speech)</i> 	<ul style="list-style-type: none"> <i>Report dialogues in indirect speech (assertive, interrogative, exclamatory and imperative sentences).</i>
	<ul style="list-style-type: none"> <i>LSRW Skills</i> 	<ul style="list-style-type: none"> <i>Listen to a Humorous poem and paraphrase it.</i>
	<ul style="list-style-type: none"> <i>Motivational Poem</i> 	<ul style="list-style-type: none"> <i>Inspect the elements of motivational poem.</i> <i>Appreciate the poem and find literary devices used in the poem.</i>
	<ul style="list-style-type: none"> <i>Functional Grammar Practise (Modals)</i> 	<ul style="list-style-type: none"> <i>Write dialogues using modal auxiliaries.</i>
	<ul style="list-style-type: none"> <i>Article Writing</i> 	<ul style="list-style-type: none"> <i>Write an article based on relevant, well-chosen facts, definitions, concrete details or other information and examples.</i>
	<ul style="list-style-type: none"> <i>Vocabulary</i> 	<ul style="list-style-type: none"> <i>Make use of words related to emotions and feelings (eg: empathy, despair, melancholy, fervor, etc.)</i>
	Unit Test - 2	
<i>January</i>	<ul style="list-style-type: none"> <i>Memoir</i> 	<ul style="list-style-type: none"> <i>Read the text to draw conclusions, interpret information provided and summarize.</i> <i>Form opinions and make predictions showing an understanding of ideas, events and characters in a story.</i>
	<ul style="list-style-type: none"> <i>Report writing</i> 	<ul style="list-style-type: none"> <i>Write a newspaper report on the given topic.</i>
	<ul style="list-style-type: none"> <i>Functional Grammar Practise (Prepositions)</i> 	<ul style="list-style-type: none"> <i>Learn correct usage of the Prepositions.</i> <i>Edit the passage.</i>
	<ul style="list-style-type: none"> <i>Vocabulary</i> 	<ul style="list-style-type: none"> <i>Understand commonly misspelled words (eg: pneumonia, grammar, committee, writing etc.)</i>
<i>February</i>	<ul style="list-style-type: none"> <i>LSRW Skills</i> 	<ul style="list-style-type: none"> <i>Read the classic and discuss its style of plot constructions and characterization.</i>
	<i>Revision</i>	
<i>March</i>	Final Term Examination	

MATHEMATICS

OVERVIEW

In Mathematics understanding of concepts becomes an essential prerequisite in the development of the skills. Teachers ensure that students understand the concepts before they enable the development of the skills as applied to real life situations. Daily practice in solving math problems is provided for within the school time table in grades 1 to 5 and as homework for grades 6 to 8.

OBJECTIVES

By the end of grade 8, students will be able to:

- *Recapitulate and explain the concepts of grade 7 and apply them in solving higher level problems.*
- *Extend the algebraic skills for multiplication, division and factorization of algebraic expressions.*
- *Construct the different types of quadrilaterals.*
- *Use the laws of exponents in different problems.*
- *Verify the different properties of rational numbers.*
- *Construct & interpret histograms & pie charts.*
- *Apply the concepts of lateral surface area, total surface area & volume of solid shapes like cube, cuboid & cylinder in real life.*
- *Classify the given solids as polyhedrons & non-polyhedrons.*
- *Calculate the square roots & cube roots of different numbers.*
- *Explain the properties of different types of quadrilaterals.*

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>April</i>	<ul style="list-style-type: none"> • Rational Numbers and their properties • Density of rational numbers • Exponents and powers • Laws of exponents with integral indices • Expanded form of a decimal number using exponent • Standard form of numbers using exponents • Square numbers and their properties • Square root of numbers 	<ul style="list-style-type: none"> • Discuss and explain rational numbers. • Examine the properties of rational numbers i.e. closure, commutative, associative & distributive property. • Explain Additive and Multiplicative inverse. • Explain Additive and Multiplicative identity. • Represent rational numbers on the number line. • Find the rational number between two rational numbers. • Explain Rational numbers with negative exponent. • Express large and small numbers in scientific notation. • Calculate the squares of natural numbers. • Interpret the properties of square roots of natural numbers. • Examine whether a number is a square number or not. • Estimate square roots. • Calculate the square root of natural numbers by different methods. • Identify perfect squares by prime factorization method and by using different properties.
<i>June</i>	<ul style="list-style-type: none"> • Cubes and cube roots • Probability 	<ul style="list-style-type: none"> • Calculate the cubes of natural numbers. • Explain the properties of perfect cubes. • Examine whether a number is a perfect cube or not. • Calculate the cube root of numbers by prime factorization method. • Discuss and explain the probability of different events. • Calculate the probability of given events.
<i>July</i>	<ul style="list-style-type: none"> • Quadrilaterals • Parallelograms • Constructions of General and Special Type of Quadrilaterals 	<ul style="list-style-type: none"> • Apply the angle sum property of quadrilateral. • Explain the types of quadrilateral. • Discuss and use properties of different types of parallelograms. • Some special parallelograms: rectangle, rhombus and square. • Construct the quadrilateral of given measurements. • Construct special types of quadrilaterals using their properties.
	Unit Test - 1	

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>August</i>	<ul style="list-style-type: none"> • <i>Direct and inverse variation</i> • <i>Percentage and its applications</i> • <i>Graphs</i> • <i>Concepts of Solid Shapes</i> • <i>Visualisation of 3-D shapes</i> 	<ul style="list-style-type: none"> • <i>Discuss the relation between two variables.</i> • <i>Examine the type of variation.</i> • <i>Calculate increase and decrease in percentage.</i> • <i>Calculate and evaluate the SP, CP, Profit, Loss, Discount, Marked Price, Goods and Services Tax (GST).</i> • <i>Use the SP, CP, Profit, Loss, Goods and Services Tax (GST) in real life situations.</i> • <i>Analyze and interpret the line graph and linear graph.</i> • <i>Explain the coordinates of a point.</i> • <i>Plot a point on a graph.</i> • <i>Explain the solid shapes.</i> • <i>Differentiate between solid shapes and plane shapes.</i> • <i>Write the parts of solid shapes.</i> • <i>Categorize the solid shapes.</i> • <i>Verify the Eulers rule in the solid shapes.</i>
<i>September</i>	<i>Revision</i>	
	<i>First Term Examination</i>	
<i>October</i>	<ul style="list-style-type: none"> • <i>Simple interest</i> • <i>Compound interest</i> • <i>Area of the plane figures</i> 	<ul style="list-style-type: none"> • <i>Distinguish between simple interest and compound interest.</i> • <i>Evaluate the compound interest and simple interest for the given data.</i> • <i>Apply the formula of compound interest</i> • <i>Calculate and evaluate the rates of different schemes & make the judgments.</i> • <i>Calculate the area of a trapezium.</i> • <i>Calculate the area of a rhombus.</i> • <i>Calculate the area of a general quadrilateral.</i> • <i>Calculate the area of irregular polygons.</i>
<i>November</i>	<ul style="list-style-type: none"> • <i>Data Handling</i> • <i>Algebraic expressions</i> 	<ul style="list-style-type: none"> • <i>Draw frequency distribution table of grouped and ungrouped data.</i> • <i>Draw and read bar graphs, histograms and pie chart.</i> • <i>Discuss and explain algebraic expression.</i> • <i>Write the terms and coefficients.</i> • <i>Explain the types of algebraic expressions.</i> • <i>Add and subtract algebraic expressions.</i> • <i>Multiply and divide algebraic expressions.</i> • <i>Simplify the algebraic expressions.</i> • <i>Find the square of a number using algebraic identity.</i>

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>December</i>	<ul style="list-style-type: none">• <i>Factorization of Algebraic Expressions</i>• <i>Linear equation in one variable</i>	<ul style="list-style-type: none">• <i>Factorize the algebraic expressions.</i>• <i>Use different identities of algebraic expressions.</i>• <i>Frame the equation for the given situation.</i>• <i>Solve the equation in one variable.</i>• <i>Apply linear equations in practical situations.</i>• <i>Find solutions of equations reducible to linear form.</i>
	<i>Unit Test - 2</i>	
<i>January</i>	<ul style="list-style-type: none">• <i>Surface Area and Volume of Solid Shapes</i>	<ul style="list-style-type: none">• <i>Discuss and explain the volume and surface area of solids.</i>• <i>Distinguish between surface area and volume of solids.</i>• <i>Derive the formula for volume and surface area.</i>• <i>Calculate the surface area and volume of a solid shape.</i>
<i>February</i>	<i>Revision</i>	
<i>March</i>	<i>Final Term Examination</i>	

SCIENCE

OVERVIEW

Today we are in an age of explosion of information. In this context memorization of content in science is a futile exercise. The scientific skill i.e. the skills of observation, inquiry, recording, investigation, analysis, hypothesis and drawing conclusions etc. are the key scientific skills that can be extrapolated to the study of other subjects.

OBJECTIVES:

By the end of grade 8, students will be able to:

- *Discuss and explain types of microorganisms, their useful and harmful effects. Judge the causes of spoilage of food and suggest the methods of food preservation.*
- *Understand, analyze and classify the elements as metals and non-metals, differentiate and compare metals and non-metals on their physical and chemical properties.*
- *Explain, discuss and analyze the structure and function of cell organelles, compare and contrast the plant and animal cell. Demonstrate the preparation of plant and animal slides,*
- *Identify and explain the various endocrine glands, discuss their location, hormones secreted by them, and their functions. Understand and describe mood swings, analyze and examine the causes and effects of malnutrition, recommend the ways for keeping nutrition healthy and also create awareness against drug abuse during puberty.*
- *Understand and describe the location, structure and functions of reproductive system of human beings. Explain and analyze the role of this biological process in sustenance of life of various organisms on the earth.*
- *Explain, discuss and demonstrate with an experiment the effects of force and friction, pressure and their relation with specific factors.*
- *Name the sources of sound, explain and demonstrate how sound is produced and travel, its characteristics and explain how musical instruments produce sound.*
- *Discuss, demonstrate with an experiment that liquids conduct electricity, compare and distinguish between electrolytes and non-electrolytes. Explain the process of electrolysis and its uses in our daily life.*
- *Explain, discuss and analyze the phenomena of regular and irregular reflection, refraction, multiple reflection and images formed by plane mirror. Construct models based on reflection, explain structure and function of human eye analyze its working and suggest tips to keep eyes healthy and technological innovations for visually challenged persons.*

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>April</i>	Microorganisms <ul style="list-style-type: none"> Harmful and useful Microorganisms Science behind preserving food 	<ul style="list-style-type: none"> Explain and evaluate the role of microorganisms in the nature. Classify, differentiate and distinguish between useful and harmful microorganisms. Identify and discuss different diseases caused by microorganisms in plants and animals. Apply food preservation techniques on various food items. Identify and discuss the type of microorganisms used in medicine. Evaluate the negative effects of chemicals in food preservation process.
<i>June</i>	Cell structure and Function <ul style="list-style-type: none"> Stain and dyes Structure of a cell Animal and plant cell Tissue 	<ul style="list-style-type: none"> Understand, discuss and compare organization in living organism. Recognize the variety of shapes and sizes present in cell. Distinguish, list and identify cell organelles & their functions. Compare, contrast in plant and animal cell. Apply and relate level of organization in other fields as well. Derive at a conclusion how an organism is formed from a cell. Distinguish between a plant cell and animal cell by observing it under the microscope.
<i>July</i>	Combustion and Fuel <ul style="list-style-type: none"> Fossil Fuels Forms of fuel Combustion and flame Calorific value 	<ul style="list-style-type: none"> List, classify and compare fuels into solid, liquid and gaseous fuels. Suggest the best fuel for combustion giving reason in support of your choice. Evaluate fuel with the help of its calorific value and other properties. Formulate and judge characteristics of a good fuel. Perform experiment in the laboratory and conclude the conditions necessary for combustion. Observe the flame of a candle and identify different colors in various zones and give reason for its different colors. Design a fire extinguisher and demonstrate it. Suggest various fire safety measures at home. Suggest and apply solutions for the problems occurring due to air pollution caused due to combustion.
	Unit Test - 1	
<i>August</i>	Force and Pressure <ul style="list-style-type: none"> Interaction and effects of force Types of forces Pressure exerted by atmosphere and water Pressure and its variation with area, depth and altitude 	<ul style="list-style-type: none"> Describe, discuss and analyze the relation between force and motion in a variety of daily life situations. Judge and explain the working and construction of appliances. Demonstrate with an experiment the factors that affect pressure and analyze its variation with area, altitude and depth.
	Friction <ul style="list-style-type: none"> Types of friction Factors affecting friction Fluid Friction Advantages of friction Disadvantages of friction Increasing friction Decreasing friction 	<ul style="list-style-type: none"> Explain and analyze friction between the smooth and rough surface of a moving body, discuss the factors affecting friction, types, advantages and disadvantages of friction. Recommend ways to reduce or decrease friction in real life situations. Analyze, judge, apply and create aerodynamics and its principles in automobiles.

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>September</i>	Revision	
	First Term Examination	
<i>October</i>	Reproduction <ul style="list-style-type: none"> Asexual reproduction in animals Sexual reproduction in animals and human beings Sex determination 	<ul style="list-style-type: none"> Explain the process of asexual and sexual reproduction and its importance in lifecycle. Describe types of asexual reproduction with appropriate examples. Describe and discriminate binary fission, budding and fragmentation. Distinguish between external and internal fertilization with examples. Draw diagrams showing lifecycle of frog and butterfly. Describe male and female reproductive system with the help of well labelled diagrams. Differentiate between oviparous and viviparous animals. Discuss and explain the development of foetus in mother's womb.
	The Age of Adolescence <ul style="list-style-type: none"> Hormones and endocrine glands Adolescence and puberty Secondary sexual characters Role of hormones in health problems 	<ul style="list-style-type: none"> Explain puberty and adolescence. Describe the physical and mental changes occurring in boys and girls during puberty. Differentiate between exocrine and endocrine glands. List hormones secreted by ovaries and testes and also explain their functions. Distinguish between menarche and menopause. Draw a flowchart and explain how the gender of a child is determined. List ways by which young people may refrain from indulging in undesirable activities like taking drugs, alcohol and smoking. Design a diet chart for a boy and a girl each during adolescence. Analyze why acne and pimple erupt on skin during puberty.
<i>November</i>	Metals and Non-metals <ul style="list-style-type: none"> Physical properties of metal Chemical properties of metal Physical properties of non-metal Chemical properties of non-metal Corrosion of metals Uses of alloys 	<ul style="list-style-type: none"> Compare the physical and chemical properties of metals and non-metals. Demonstrate the chemical properties of metals with experiments. Relate it in daily life and apply it. Discriminate between materials as metals and non-metals with the help of properties mentioned.
	Sound <ul style="list-style-type: none"> Sound produced by instruments Characteristics of sound Audible and inaudible sound Noise and Music 	<ul style="list-style-type: none"> Identify and list the sources of sound. Distinguish, contrast, compare and choose different types of sound e.g. loud, feeble and inaudible sound. Explain and demonstrate with an experiment the relation between the loudness and the pitch. Discuss the effects of noise pollution on human health and other organisms. Formulate, judge and construct various musical instruments for melodious sound, contrast and appreciate the sound produced by musical instruments. Create, construct and formulate their own source of producing energy from sound.

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>December</i>	<i>Electricity & Circuits</i> <ul style="list-style-type: none">• <i>Electrical conductivity</i>• <i>Electrolytes and non-electrolytes</i>• <i>Types of Ions</i>• <i>Electric current</i>• <i>Chemical effects of electric current</i>• <i>Application of electrolysis</i>	<ul style="list-style-type: none">• <i>Identify, state, list and demonstrate with an experiment the electrical conductivity of liquids and classify them as electrolytes and non-electrolytes.</i>• <i>Discuss, formulate, construct and exhibit the model showing electrical conductivity of liquids.</i>• <i>Identify, explain, discuss and demonstrate with an experiment the process of electroplating, its uses, and applications in real life conditions.</i>
	<i>Unit Test-2</i>	
<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>January</i>	<i>Light</i> <ul style="list-style-type: none">• <i>Reflection of Light</i>• <i>Laws of Reflection</i>• <i>Characteristics of image formed by a plane mirror</i>• <i>Regular and Diffused Reflection</i>• <i>Multiple images</i>• <i>Dispersion</i>• <i>Human eye</i>• <i>Eye care and nutrition</i>	<ul style="list-style-type: none">• <i>Discuss, describe and demonstrate laws of reflection.</i>• <i>Explain, design, construct set up and demonstrate multiple reflections.</i>• <i>Observe and analyze various phenomena of dispersion of light in daily life.</i>• <i>Describe and discuss the working of kaleidoscope and periscope.</i>• <i>Describe and explain structure of human eye.</i>• <i>Discuss and recommend the nutritional diet for healthy human eyes.</i>
	•	•
<i>February</i>	<i>Revision</i>	
<i>March</i>	<i>Final Term Examination</i>	

SOCIAL SCIENCE

OVERVIEW

Social Science helps the students to understand the complex integration of social institutions and phenomena and to trace how civilization and social institutions have developed. This enables them to become proactive citizens and empowered individuals who have a deeper understanding of their own complex environment as it has evolved through centuries, not just of their local environment but also of the world.

Social Science is a subject with an element of subjectivity and the students own appraisal and evaluation as well as their response to the aspects of the subject are key factors in constructing their own knowledge.

OBJECTIVES:

By the end of grade 8, students will be able to:

- *Evaluate the impact of British rule in the political scenario of modern India.*
- *Decide the causes, success and failure of any revolt.*
- *Examine social and economic issues and challenges like poverty, child labour, illiteracy and various other dimensions of inequality.*
- *Debate on the importance of rights and responsibility of citizens in a democratic and secular society.*
- *Evaluate and argue on the concept of reservation policy for marginalized classes.*
- *Discuss and propose various ways for the conservation of natural resources.*

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>April</i>	<i>Where, When and How</i> <ul style="list-style-type: none"> Periodisation of Indian History, Sources to Study the Colonial Period, Difficulties using the Original Records 	<ul style="list-style-type: none"> Discuss about the Mughal Empire. List the causes of the decline of the Mughal Empire. Discuss the arrival of the British as a trading company. Understand the period of Renaissance in Europe.
	<i>Establishment of British Rule in India</i> <ul style="list-style-type: none"> Expansion of the British Empire from trade to territory, Growth of British influence 	<ul style="list-style-type: none"> Mention the opportunities for foreign trade in India that opened with the discovery of a sea route to India by Vasco da Gama. List the European trading companies which came to India during this period. Enumerate the significance of the Battle of Plassey and the Battle of Buxar. Explain in detail the expansion of British Rule in India.
<i>June</i>	<i>The Indian Constitution</i> <ul style="list-style-type: none"> Important features Importance of Constitution and Preamble 	<ul style="list-style-type: none"> Explain the formation of the Constituent Assembly. Describe the importance and the main features of the Indian Constitution. Explain the significance of the fundamental rights and duties given in the Indian Constitution.
<i>July</i>	<i>The Indian Parliament</i> <ul style="list-style-type: none"> Formation and Functions of the Parliament, People in Parliament 	<ul style="list-style-type: none"> Evaluate the formation of the Indian parliament. Describe the role of the Election Commission of India in forming the government.
	<i>The Revolt of 1857</i> <ul style="list-style-type: none"> Causes of the Revolt, Effects of the Uprising 	<ul style="list-style-type: none"> Recall that the geographical location of India made it susceptible to foreign invasions. Describe the causes of the Revolt of 1857. Find out the centres of this revolt and locate them on a map of India. Understand the reasons for the failure of this revolt.
	<i>Unit Test - 1</i>	
<i>August</i>	<i>Women and Reforms</i> <ul style="list-style-type: none"> Working towards Change, Caste and Social Reform 	<ul style="list-style-type: none"> Discuss the status of women in the traditional Indian society. Name some social reformers and explain their contribution. Explain the impact of the movements to improve the status of women in India.

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>August</i>	<i>Manufacturing Industries</i> <ul style="list-style-type: none"> <i>Classification and Distribution</i> 	<ul style="list-style-type: none"> <i>Explain the meaning of manufacturing.</i> <i>Classify industries on the basis of product, raw materials, size and ownership.</i> <i>Explain the factors that influence the location of an industry.</i> <i>Identify the industrial regions of India.</i> <i>Explain the main features of the major industries of India..</i>
	<i>Judiciary in India</i> <ul style="list-style-type: none"> <i>Role and Structure of Indian Judiciary</i> 	<ul style="list-style-type: none"> <i>Explain the meaning of the independence of the judiciary.</i> <i>Describe the structure of the Indian Judiciary.</i> <i>Explain the difference between civil and criminal cases.</i> <i>Explain the types of writs.</i>
<i>September</i>	<i>Revision</i>	
	<i>First Term Examination</i>	
<i>October</i>	<i>Criminal Justice System</i> <ul style="list-style-type: none"> <i>The Police, FIR and the role of Public Prosecutor</i> 	<ul style="list-style-type: none"> <i>Explain the importance of a criminal justice system.</i> <i>Explain the important components of the criminal justice system in India-police, defence lawyer, public prosecutor and judge.</i> <i>Distinguish between cognizable and non-cognizable offences.</i>
	<i>Disaster Management</i> <ul style="list-style-type: none"> <i>Types of Disasters, Earthquake, Cyclone, Floods, Droughts, Fire-related Disasters, Nuclear and Chemical Disasters</i> 	<ul style="list-style-type: none"> <i>Distinguish between a hazard and a disaster.</i> <i>Compare natural disasters and human-made disasters.</i> <i>Understand the meaning and need for disaster management.</i> <i>Describe the various natural disasters that India is prone to and list the precautionary measures.</i> <i>Prepare a list of human-made disasters and suggest ways to avoid them.</i>
<i>November</i>	<i>The Nationalist Movement: Rise and Growth till 1905</i> <ul style="list-style-type: none"> <i>Reason for the Nationalist Movement, Pre- Gandhian Era, Demands of the Moderates, Response of the Government, Achievements</i> 	<ul style="list-style-type: none"> <i>Explain the meaning of the term nationalism.</i> <i>Enlist the reasons for the nationalist movements in India.</i> <i>Study the incidents that led to the birth of the Indian National Congress.</i> <i>Understand the policies of the moderates.</i>
	<i>The National Movement- I</i> <ul style="list-style-type: none"> <i>Reasons for National Movement, Formation of Congress, Moderates</i> <i>Extremists, Swadeshi and Boycott Movement, Muslim League</i> 	<ul style="list-style-type: none"> <i>Describe the role of the extremists and name their leaders.</i> <i>Trace the incidents which led to the Partition of Bengal.</i> <i>Explain the impact of World War I on India's economy.</i> <i>Explain the Government of India Act of 1919.</i>

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills</i> <i>The student will be able to</i>
<i>December</i>	<i>The National Movement- II</i> <ul style="list-style-type: none"> <i>Emergence of Gandhi, National and regional freedom movements since 1947, Emergence of a New Nation</i> 	<ul style="list-style-type: none"> <i>Explain the social and economic impact of World War I in India.</i> <i>Explain that the Rowlatt Act was a blow to the nationalist movement in India.</i> <i>Explain the Jallianwala Bagh Massacre and its repercussions.</i> <i>Explain the impact of World War I on India's economy.</i> <i>Describe other political developments between 1919-1947.</i>
	<i>Unit Test - 2</i>	
<i>January</i>	<i>India After Independence</i> <ul style="list-style-type: none"> <i>Problems after Independence, The Planned Development, India's foreign Policy, The way ahead for India</i> 	<ul style="list-style-type: none"> <i>Explain the efforts of Vallabhbhai Patel for the creation of the Union of States in India.</i> <i>Describe the features of Indian Parliamentary democracy.</i> <i>Explain the criteria on the basis of what Indian states have been formed.</i> <i>Mention India's prominent role in the functioning of the SAARC.</i>
<i>February</i>	<i>Revision</i>	
<i>March</i>	<i>Final Term Examination</i>	

ADDITIONAL LANGUAGE HINDI

प्रस्तावना:

शिक्षार्थियों को राष्ट्रभाषा हिंदी का अध्यापन साहित्यिक, सांस्कृतिक, सौंदर्यात्मक एवं व्यावहारिक भाषा के रूप में इस प्रकार करवाया जाएगा ताकि शिक्षार्थियों की पहचान बन सके, उनमें आत्मविश्वास हो, हिंदी भाषा उनके विचार-विमर्श की भाषा बन सके। विद्यार्थी भाषा के लिखित प्रयोग के साथ-साथ सहज और स्वाभाविक रूप से मौखिक अभिव्यक्ति में भी सक्षम हो सकें, इतना ही नहीं वे विभिन्न विधाओं और अभिव्यक्ति की अनेक शैलियों से परिचित हो सकें। शिक्षार्थी हिंदी भाषा में दक्ष होकर अन्य विषयों के साथ अंतर्संबंध स्थापित करके वैश्विक क्षितिज तक पहुँच सकें।

उद्देश्य

शिक्षार्थी सत्रांत तक हिंदी विषय के निम्न उद्देश्यों को समझ सकेंगे।

- शिक्षार्थी गद्य की विधाओं – कहानी, लेख, एकांकी, सस्मरण, जीवनी, यात्रा वृत्तांत, रिपोर्टाज को पढ़कर उनसे मिली शिक्षा व भाव को समझने लगेंगे।
- शिक्षार्थी पद्य की विधाओं– कविता एवं दोहों के अर्थ, संदेश एवं मूल भाव को समझने लगेंगे।
- शिक्षार्थियों को विषयपरक प्रश्न, मूल्यपरक प्रश्न, समस्या समाधान प्रश्न, उच्च बौद्धिक स्तरीय क्षमता प्रश्नों के उत्तर अपनी कल्पना एवं अनुभव के आधार पर सुचारु रूप से अपने शब्दों में संक्षिप्त में लिखने आ जाएँगे।
- शिक्षार्थी मौखिक भाषिक अभ्यास के लिए –कविता, कहानी, वाद-विवाद, अभिनय, भाषण आदि को बोल एवं समझ कर वर्णन करके उसमें निहित भाव को भी समझ सकेंगे।
- शिक्षार्थियों को लिखित भाषिक अभ्यास के लिए– संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, वचन, लिंग, प्रत्यय उपसर्ग, विलोम शब्द, पर्यायवाची शब्द, अलंकार, तत्सम-तद्भव शब्द, अनेकार्थी शब्द, वाक्यांश के लिए एक शब्द, कारक, विराम चिह्न, संधि, समास, वाक्य (रचना एवं अर्थ के आधार पर) आदि के उदाहरण, वाक्य प्रयोग एवं उनको वर्गीकृत करना आ जाएगा।
- शिक्षार्थियों में पत्र लेखन, अनुच्छेद लेखन, विज्ञापन लेखन, संवाद लेखन, सूचना लेखन एवं दैनंदिनी लेखन द्वारा लेखन एवं सृजन कौशल की अभिवृद्धि होगी। जिससे वे अपने विचारों की अभिव्यक्ति व्यावहारिक जीवन में कर सकेंगे।
- शिक्षार्थियों में पाठ्यक्रम के अतिरिक्त अपठित अवतरणों एवं काव्यांशों के माध्यम से भाषा बोध-भाव बोध का विस्तार एवं संवर्धन होगा साथ ही उनमें पठन एवं वाचन के प्रति रुचि जाग्रत होगी।
- शिक्षार्थी सुलेख, श्रुतलेख, अनुलेख द्वारा वर्तनीगत एवं मात्रागत अशुद्धियों को ठीक कर शुद्ध लेख लिख सकेंगे।

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
अप्रैल	<ul style="list-style-type: none"> शांत रस कविता 	<ul style="list-style-type: none"> शिक्षार्थी कविता का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। शिक्षार्थी कविता का मूल भाव स्पष्ट कर सकेंगे। कर्म की महत्ता एवं सार्थकता का बोध। प्रार्थना के सच्चे स्वरूप की पहचान। तेरा देवता वहीं चला गया – पंक्ति का भाव पल्लवन।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> पत्र लेखन (अनौपचारिक), वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> स्वरचित शांत रस कविता (एक)
	<ul style="list-style-type: none"> रूसी कहानी 	<ul style="list-style-type: none"> शिक्षार्थी कहानी का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। कहानी के पात्रों का चरित्र–चित्रण। नैतिक मूल्यों की स्थापना में महापुरुषों की भूमिका की व्याख्या। न्याय–अन्याय की व्याख्या। कहानी की सीख एवं मूल स्वर पर चर्चा।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> पत्र लेखन, वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> महापुरुषों की सूक्तियाँ (पौंच)
जून	<ul style="list-style-type: none"> शांत रस प्राचीन कविता 	<ul style="list-style-type: none"> शिक्षार्थी कविता का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। सूरदास के काव्य सौंदर्य की विवेचना। कृष्ण भक्त कवि के रूप में सूरदास का मूल्यांकन। श्रीकृष्ण के बाल्यकाल की क्रीडाओं का वर्णन करना। गोपिया के वियोगावस्था की अभिव्यक्ति।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> दैनंदिनी लेखन , वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> कृष्ण भक्त कवियों की सचित्र जानकारी (दो)
जुलाई	<ul style="list-style-type: none"> व्यंग्य लेख 	<ul style="list-style-type: none"> शिक्षार्थी लेख का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। “किसान हमारे अन्नदाता” पंक्ति का भाव पल्लवन। गाँव का वातावरण एवं गाँव की दशा चर्चा। खेती की उन्नति हेतु सरकार के उपाय चर्चा। शहरी एवं ग्रामीण जीवन शैली में अंतर।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> दैनंदिनी लेखन, वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> हास्य व्यंग्य चित्रकथा, कार्टून (एक)

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
जुलाई	<ul style="list-style-type: none"> विचार प्रधान लेख 	<ul style="list-style-type: none"> शिक्षार्थी लेख का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। विज्ञापन कला अर्थ उपयोगिता, लाभ–हानि, प्रभाव चर्चा उपभोक्तावादी संस्कृति से बचाव के उपाय–चर्चा भारतीय एवं पाश्चात्य संस्कृति की तुलनात्मक समीक्षा। बाजार के जादू की जकड़ में बचने के उपाय।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> विज्ञापन लेखन, वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> एड मेड शो
	Unit Test I	
अगस्त	<ul style="list-style-type: none"> भाव प्रधान निबंध 	<ul style="list-style-type: none"> शिक्षार्थी निबंध का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। भारतीय विविधता के रूपों पर चर्चा। भारत की एकता में बाधक तत्वों की समीक्षा। उत्तर भारत एवं दक्षिण भारत को मिलाने के प्रयासों पर चर्चा। भारत की एकता एवं अखण्डता के उपायों पर चर्चा।
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> अनुच्छेद लेखन, वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> त्याहारों, पर्वों की जानकारी (पॉच)
	<ul style="list-style-type: none"> आत्मकथा 	<ul style="list-style-type: none"> शिक्षार्थी आत्मकथा क्तांत का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। किसानों एवं मजदूरों की दशा पर चर्चा करना। शोषित वर्ग के प्रति हमारा दृष्टिकोण चर्चा। मजदूर निरंतर निर्माण कार्य में लगे रहते हैं। चर्चा। कश्मीर धरती का स्वर्ग है। कैसे ?
	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> अनुच्छेद लेखन, वाक्य रचना।
	<ul style="list-style-type: none"> व्यावहारिक व्याकरण अभ्यास 	<ul style="list-style-type: none"> पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	<ul style="list-style-type: none"> रचनात्मक गतिविधि 	<ul style="list-style-type: none"> मजदूर (कविता)
सितम्बर	<ul style="list-style-type: none"> वाचन कौशल 	<ul style="list-style-type: none"> शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	<ul style="list-style-type: none"> लेखन कौशल 	<ul style="list-style-type: none"> लेखन अभिव्यक्ति अभ्यास।
	पुनरावृत्ति – संपूर्ण प्रथम सत्र पाठ्यक्रम	
अक्टूबर	First Term Examination	
	<ul style="list-style-type: none"> कविता 	<ul style="list-style-type: none"> शिक्षार्थी कविता का वाचन कर उसके उद्देश्यों को समझ सकेंगे। शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। कविता का मूलभाव स्पष्ट कर सकेंगे। वरिष्ठ नागरिकों के प्रति सद व्यवहार पर चर्चा। प्रकृति से शिक्षा ग्रहण। संसार की स्वार्थपरता के कारणों एवं निवारण के उपायों पर चर्चा।

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
अक्टूबर	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• पत्र लेखन (औपचारिक), वाक्य रचना।
	• व्यावहारिक व्याकरण अभ्यास	• पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	• रचनात्मक गतिविधि	• विभिन्न फूलों के नाम, चित्र एवं कविता (पाँच)
नवंबर	• मनोवैज्ञानिक कहानी	• शिक्षार्थी कहानी का वाचन कर उसके उद्देश्यों को समझ सकेंगे। • शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। • कहानी के पात्रों का चरित्र चित्रण। • कहानी का मूल स्वर एवं शिक्षा। • खेल कहानी की सर्वाधिक प्रभावित करने वाली घटना पर चर्चा। • बाल विकास अवस्था की विशेषताओं का वर्णन।
	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• अनुच्छेद लेखन , वाक्य रचना।
	• व्यावहारिक व्याकरण अभ्यास	• पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	• रचनात्मक गतिविधि	• बचपन का फोटो एवं संस्मरण
दिसंबर	• पत्र	• शिक्षार्थी पत्र का वाचन कर उसके उद्देश्यों को समझ सकेंगे। • शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। • भारत पर्वों का देश है – चर्चा। • देश की एकता – अखंडता पर चर्चा। • त्योहार मनाते समय वातावरण पर चर्चा। • सर्वधर्म समभाव चर्चा।
	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• उद्घोष लेखन, वाक्य रचना।
	• व्यावहारिक व्याकरण अभ्यास	• पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	• रचनात्मक गतिविधि	• भारतीय त्योहारों, पर्वों के चित्र (पाँच)
	Unit Test – II	
जनवरी	• वीर रस कविता	• शिक्षार्थी कविता का वाचन कर उसके उद्देश्यों को समझ सकेंगे। • शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। • कविता का मूलभाव स्पष्ट कर सकेंगे। • भारत के गौरवशाली अतीत से अवगत हो सकेंगे। • पुरुषार्थ एवं मित्रता के महत्त्व को जान सकेंगे। • महादानी कर्ण के चरित्र की विशेषताओं से अवगत हो सकेंगे।
	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• संवाद लेखन, वाक्य रचना।
	• व्यावहारिक व्याकरण अभ्यास	• पाठानुगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	• रचनात्मक गतिविधि	• महाभारत घटना (एक)
	• संवेदना प्रधान कहानी	• शिक्षार्थी कहानी का वाचन कर उसके उद्देश्यों को समझ सकेंगे। • शब्द संपदा एवं वाक्य रचना द्वारा उनके शब्द भंडार में वृद्धि होगी। • मानव व्यथा के प्रति संवेदनशीलता एवं उससे उबरने के मनोवैज्ञानिक उपाय। • कहानी में निहित जीवन मूल्यों की महत्ता को आत्मसात कर सकेंगे। • कहानी के पात्रों का चरित्र–चित्रण कर सकेंगे। • कहानी के मूल स्वर एवं शिक्षा से अवगत हो सकेंगे।

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
जनवरी	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• अनुच्छेद लेखन, वाक्य रचना।
	• व्यावहारिक व्याकरण अभ्यास	• पाठानगत व्याकरण अभ्यास एवं वर्तनीगत – मात्रागत शब्द सुधार अभ्यास।
	• रचनात्मक गतिविधि	• तनाव मुक्ति के उपाय
फरवरी	• वाचन कौशल	• शिक्षार्थी अपठित गद्यांशों / पद्यांशों तथा पठित गद्यांशों / पद्यांशों को पढ़कर बोधात्मक प्रश्न एवं संदेश तथा शिक्षा संबंधी प्रश्नोत्तर कर सकेंगे।
	• लेखन कौशल	• लेखन अभिव्यक्ति अभ्यास।
	पुनरावृत्ति – वार्षिक परीक्षा पाठ्यक्रम	
मार्च	<i>Final Term Examination</i>	

FRENCH

OVERVIEW

Learning a new language develops brain and also improves adaptability for new challenges. In French language, there is an integration of all the four skills i.e. Listening, Speaking, Reading & Writing. In addition to this appropriate and correct expression of language is reinforced by understanding grammar.

OBJECTIVES

By the end of Grade 8, students will be able to:

- *conjugate the reflexive verbs including negative and interrogative forms.*
- *speak French fluently to pose questions and answer using various tenses and expressions in the sentences.*
- *read passages in French.*
- *use the advance vocabulary related to different situations.*
- *use grammatical structures effectively.*
- *add more information to description in order to make longer sentence by learning past and future tenses.*
- *conjugate regular and irregular verbs.*
- *give orders and suggestions learning imperatives.*
- *use articles with certain verbs in the sentences in order to perform simple verbal descriptions.*
- *use vocabulary of French everyday objects.*
- *conjugate verbs in past and future tense in negative and interrogative forms as well.*
- *write descriptions and messages using present, near future, simple future, past and recent past in the sentences.*
- *write, accept or refuse an invitation.*

Month	Concepts	Contents	Skills The student will be able to	Activities
April	<ul style="list-style-type: none"> Leçon-1 De la tête aux pieds 	<ul style="list-style-type: none"> les adjectifs La place des adjectifs Les parties du corps La description physique Des locutions verbales Des verbes importants 	<ul style="list-style-type: none"> place the adjectives effectively describe a person's physical appearance use verbal expressions Conjugate and use irregular verbs 	<ul style="list-style-type: none"> oral activity-describe your best friend using the verbal expressions taught Listening .
June	<ul style="list-style-type: none"> Leçon-2 Vous avez l'heure, s'il vous plaît? 	<ul style="list-style-type: none"> les verbes pronominaux des connecteurs logiques simples Les moments de la journée Demander et dire l'heure Des verbes importants 	<ul style="list-style-type: none"> describe their daily routine using pronominal verbs. ask and tell the time in French Conjugate and use pronominal verbs Use connectors to make effective sentences . 	<ul style="list-style-type: none"> make a chart describing your daily routine. Listening
July	<ul style="list-style-type: none"> Leçon-3 Échappatoire 	<ul style="list-style-type: none"> Les loisirs Les adjectifs possessifs Les adverbes de fréquence Les préposition avec faire et jouer 	<ul style="list-style-type: none"> tell their hobbies and make proper sentences usage of faire and jouer usage of possessive adjectives 	<ul style="list-style-type: none"> discussion of hobbies in class. Listening
	Unit Test-1			
August	<ul style="list-style-type: none"> Leçon-4 C'est dans le passé Le passé composé Leçon-5 C'est encore dans le passé 	<ul style="list-style-type: none"> passé composé avec avoir (la négation+l'interrogation) Les indicateurs de temps passé composé avec être (la négation+l'interrogation) 	<ul style="list-style-type: none"> change sentences into past tense. Forming negative and interrogative sentences in past tense. Learn and understand exceptions in past tense. 	<ul style="list-style-type: none"> diary entry writing using passé composé.
Septemb er	Révision			
	First Term Examination			

Month	Concepts	Contents	Skills The student will be able to	Activities
October	<ul style="list-style-type: none">Leçon-6 Le passé reste dans la passé	<ul style="list-style-type: none">Le passé composé et les verbes pronominaux. (Le négation+l’interrogation)Le transitif et intransitifCoup de culture (les événements importants en France).	<ul style="list-style-type: none">use past tense with reflexive verbs.Understand transitive and intransitive verbs.know more about the events in France.	<ul style="list-style-type: none">Listeningwrite a diary entry using reflexive verbs and passé composé.
Novemb er	<ul style="list-style-type: none">Leçon-7 La maison de nos amours	<ul style="list-style-type: none">décrire la maisonConnaître les pièces de la maisonReconnaître les types de logementApprendre les adverbess interrogatifs	<ul style="list-style-type: none">understand the types of interrogation.Learn the names of home appliances in french.Know more about types of accommodations.	<ul style="list-style-type: none">Décrivez votre maison et présentez la devant la classe.
Decemb er	<ul style="list-style-type: none">Leçon-8 Ne fais pas ci, ne fais pas ça!	<ul style="list-style-type: none">donner des ordresRéviser l’impératifUtiliser l’impératif avec les verbes pronominauxConnaître l’impératif à la forme négative.	<ul style="list-style-type: none">under and form imperative sentences (interrogative and negative)	<ul style="list-style-type: none">trouvez les questions avec les mots aléatoires.
	Unit Test – 2			
January	<ul style="list-style-type: none">Leçon-9 Alors on danse!Réviser le temps (présent, impératif et passé composé)	<ul style="list-style-type: none">distinguer les verbes <<connaître>> et <<savoir>>Coupe de culture (les fêtes françaises)Sample paper of DELF A1	<ul style="list-style-type: none">use interrogative adjectivesacknowledge the difference between savoir and connaîtreConverting present tense into imperative and past tense.	<ul style="list-style-type: none">table of conversions (based on tenses)DELF paper
February	Révision			
March	Final Term Examination			

SANSKRIT

प्रस्तावना –

संस्कृति: संस्कृताश्रिता:

संस्कृत भाषा संस्कृति की प्राण है। यह भाषा न केवल भारत की अपितु विश्व की प्राचीनतम भाषा है । यह समस्त संस्कारों का आधार है । संस्कृत भाषा न केवल मनुष्य की जीवन दिशा को परिवर्तित करती है, अपितु विश्वव्यापी समस्याओं से भी राहत दिलाती है ।

उद्देश्य:

शिक्षार्थी सत्रांत तक संस्कृत विषय के निम्न उद्देश्यों को समझ सकेंगे ।

- शिक्षार्थी गद्यांशों को शुद्ध उच्चारित करके उनका अर्थ समझ सकेंगे ।
- शिक्षार्थी श्लोकों का शुद्ध उच्चारण कर अनुवाद समझ सकेंगे ।
- शिक्षार्थी विषयवस्तु को समझ सकेंगे ।
- शिक्षार्थी मौखिक अभ्यास के लिए कथा कथन, चित्रवर्णन, अभिनय, श्लोकोच्चारण आदि के माध्यम से शुद्ध उच्चारण कर सकेंगे ।
- शिक्षार्थियों को लिखित, भाषिक अभ्यास के लिए वर्णमाला, संज्ञा, सर्वनाम, लकार, शब्दरूप, वचन, लिंग कारक, काल, प्रत्यय, उपसर्ग, विलोम शब्द, पर्यायवाची शब्द, वर्ण-संयोजन, वर्ण-वियोजन, संधि आदि को लिखकर संस्कृत लेखन को समझ सकेंगे ।
- शिक्षार्थी पत्र-लेखन, अनुच्छेद लेखन, चित्रवर्णन आदि सृजनात्मक कार्यों की अभिव्यक्ति को प्रकट कर सकेंगे ।
- शिक्षार्थी सुलेख, श्रुतलेख के माध्यम से संस्कृत की अशुद्धियों को शुद्ध कर सकेंगे ।

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
अप्रैल	<ul style="list-style-type: none"> मंगलम् 	<ul style="list-style-type: none"> पठनाय, गानाय स्मरणाय, ज्ञानवर्धनाय च ।
	<ul style="list-style-type: none"> सुभाषितानि 	<ul style="list-style-type: none"> श्लोकानाम् सस्वर वाचनम् पठनम् च । एकपदेन उत्तरत, श्लोकांशानाम् मेलनम्, निर्देशानुसारम् उत्तरत्, प्रश्ननिर्माणं, संधि । संभाषण ।
	<ul style="list-style-type: none"> बिलस्य वाणी न कदापि मे श्रुता 	<ul style="list-style-type: none"> अव्यय प्रयोग, पाठस्य भावपूर्ण पठनम् शुद्ध-अशुद्ध वाक्य चयनम्, प्रश्नोत्तर ।
	<ul style="list-style-type: none"> अव्यय प्रयोग 	<ul style="list-style-type: none"> अव्यय पदं परिचयं, वाक्य प्रयोगः ।
जून	<ul style="list-style-type: none"> डिजो भारतम् ग्रंथ परिचय 	<ul style="list-style-type: none"> पठनम्, अवबोधनम्, प्रश्नोत्तराणि च । पंचतंत्र गथस्य परिचयः । विशेषण– विशेष्य प्रयोगम् च । संधिः । प्रत्ययाः (क्त्वा–तुमुन्) छंद परिचयः ।
जुलाई	<ul style="list-style-type: none"> सदैव पुरतो निधेहि चरणम् 	<ul style="list-style-type: none"> गीतस्य पठनम् गानम्, प्रश्नानाम् उत्तराणि, विलोम पदानि च । लोट् लकारः । विधिलिङ्गश्च प्रयोगः ।
	<ul style="list-style-type: none"> वास्तुपरिचयः 	<ul style="list-style-type: none"> उत्पत्ति कथा, दिशायाः ज्ञानम् च ।
	<ul style="list-style-type: none"> कण्टकेनैव कण्टकम् 	<ul style="list-style-type: none"> कथायाः भावपूर्ण पठनम्, एकपदेन उत्तरत, पूर्णवाक्येन उत्तरत । ऋकारान्त स्त्री, शब्दरूप । संधिः । धातु–प्रत्ययः च ।
	Unit Test - I	
अगस्त	<ul style="list-style-type: none"> गृहं शून्यं सुतां विना 	<ul style="list-style-type: none"> कथायाः शुद्ध उच्चारण, पठनम्, प्रश्नानाम् उत्तराणि च । संस्कृत भाषायाः वैज्ञानिकता उपसर्ग–प्रयोगः धातुः–प्रत्यय प्रयोगः (क्त्वा, तुमुन्, ल्यप्), समानार्थक पदानि ।
	<ul style="list-style-type: none"> भारतजनताऽहम् 	<ul style="list-style-type: none"> विशेषण – विशेष्य प्रयोगः । गीतस्य सस्वर गायनं वाचनं, प्रश्नानाम् उत्तराणि, समानार्थक पदानि च । संधि–विच्छेद । चित्राधारित लेखनम् – चित्रं दृष्ट्वा वाक्य रचना ।
सितंबर	<ul style="list-style-type: none"> सप्तभगिन्यः 	<ul style="list-style-type: none"> संवादस्य पठनम्, भावाभिव्यक्ति, प्रश्नोत्तर लेखनम् । प्रकृति – प्रत्यय च । सप्तविशेषण युक्त सांस्कृतिक, तथ्यानाम् संग्रह यथा सप्तपर्वत, सप्तऋषयः, सप्तसागराः च ।
	<ul style="list-style-type: none"> कारक एवं उपपद विभक्ति 	<ul style="list-style-type: none"> प्रयोग व परिचयः ।
	पुनरावृत्ति	
	First Term Examination	

माह	अवधारणा	कौशल श्रवण कौशल –कथन कौशल–पठन कौशल– लेखन कौशल
अक्टूबर	• नीति नवनीतम्	• श्लोकानाम् सस्वर वाचनम्, भावार्थवबोधनम्, प्रश्नानाम् उत्तराणि लेखनम् च । • सर्वनाम शब्दरूपम् ।
	• ग्रन्थ परिचयः	• रामायण ।
	• संस्कृतभाषायाः वैज्ञानिकाः	• पंच वैज्ञानिकाः परिचयः ।
नवंबर	• सावित्री बाई फुले	• पाठस्य पठनं, भाववबोधनम्, प्रश्नानाम् उत्तराणि लेखनम् च । • विलोम पदानि, वाक्य रचना । • अनुच्छेद लेखनम् ।
	• पुराण परिचयः	• नामानि, विषयवस्तुं च ।
	• कः रक्षति कः रक्षितः	• संवाद पठनम् बोधनम् च, एकपदेन, पूर्णवाक्येन उत्तरत । • संभाषणाभ्यासः । • संख्या–ज्ञानम् ।
दिसंबर	• क्षितौ राजते भारत स्वर्ण भूमिः	• श्लोकानाम् सस्वर वाचनं, गायनं, भावार्थवबोधनम् अनुवादं, एकपदेन, पूर्णवाक्येन उत्तरत च । • सन्धि–विच्छेदं ।
	Unit Test - II	
जनवरी	• आर्यभट्टः	• पठनम् अवबोधनम्, प्रश्नानाम् उत्तराणि लेखनम् च । • विपरीतार्थम्, रिक्तस्थान पूर्ति च । • संधि–विच्छेदं ।
	• खगोलशास्त्रः	• अवधारणा, प्रमुख सिद्धान्त
	• प्रहेलिका	• पठनम् अवबोधनम् च, प्रश्नानाम् उत्तराणि लेखनम्, रिक्तस्थान पूर्ति ।
फरवरी	पुनरावृत्ति	
मार्च	Final Term Examination	

COMPUTER SCIENCE

Overview

In this age of information technology, computers are being used in almost every aspect of human existence. Incorporating computer education in schools can inspire students to undertake careers in technology and enhance their understanding of how computer technology impacts people's daily lives. Furthermore, computer education provides students with a grounding in computer related software and activities, such as using Office Suite, programming languages and creating data sheets. Students can apply these skills to a range of occupations later in life.

OBJECTIVES

By the end of grade 8, students will be able to:

- *Create a table in HTML.*
- *Design an interactive form.*
- *Use objects like Text and Images as hyperlinks.*
- *Explain the terms like database, table, record, field and data types.*
- *Include operators in programming constructs.*
- *Design programs using Conditional statements.*
- *Design the programs using Looping Constructs.*

<i>Month</i>	<i>Concepts / Contents</i>	<i>Skills The student will be able to</i>	<i>Sample Activities</i>
<i>April</i>	<ul style="list-style-type: none"> Designing Forms in HTML 	<ul style="list-style-type: none"> Create interface elements within a form. Create a form for submitting information. Create internal, external and mailing links to an HTML document. 	<ul style="list-style-type: none"> Create a library membership Form.
<i>June + July</i>	<ul style="list-style-type: none"> DBMS-Data Base Management Mode 	<ul style="list-style-type: none"> Database Objects Microsoft Access Components of MS. Access Window Creating a Database Creating a table Modifying the table 	<ul style="list-style-type: none"> Create a Database named School. Create a table student and store the personal and academic information in the table.
<i>August + September</i>	<ul style="list-style-type: none"> DBMS-Data Base Management Mode 	<ul style="list-style-type: none"> Creating Queries Creating Reports 	<ul style="list-style-type: none"> Create query and reports on the student performance.
<i>October + November</i>	Programming with Conditional Statements	<ul style="list-style-type: none"> Define conditional statements. Using Multiple IF's Statements 	<ul style="list-style-type: none"> Calculate the Grade of the student from A-E depending on the percentage.
<i>December + January</i>	<ul style="list-style-type: none"> Programming with Iteration statements. 	<ul style="list-style-type: none"> Describe looping statements. Differentiate between For loop and While loop. Design program using looping statement. 	<ul style="list-style-type: none"> Make a program to print first fifteen natural numbers. Make a program to display a certain pattern. Make a program to print the sum of any ten given numbers.
<i>February</i>	<i>Revision & Evaluation</i>		