



SACRED HEART SCHOOL

(Affiliated to CBSE, New Delhi, up to +2 Level, Affiliation No. - 3430224)

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SPLIT-UP SYLLABUS (SESSION 2026–27) | CLASS VIII

SUBJECT: SCIENCE

| Month | Chapter / Topic | Learning Outcomes |
|-----------|--|--|
| April | Chapter 1: Exploring the World of Science | Introduction to scientific method. Lab safety orientation. Observation experiments. |
| May | Chapter 2: The Invisible Living World – Beyond Your Naked Eye | Microscope handling. Preparing slides of onion peel/human cheek cells. |
| June | Chapter 3: Health – The Ultimate Treasure | Diet chart preparation. Study of common communicable diseases. |
| July | Chapter 4: Electricity – Magnetic and Heating Effects Chapter 5: Exploring Forces | Building simple circuits. Electromagnet project. Measuring force using a spring balance. |
| August | Chapter 6: Pressure, Winds, Storms and Cyclones Chapter 7: Particulate Nature of Matter: Elements, Compounds and Mixtures | Making a simple anemometer. Air pressure demonstrations. Element symbol flashcards. |
| September | Revision & Term 1 Examination | Comprehensive review of Chapters 1 to 7. Mid-term assessments. |
| October | Chapter 8: Nature of Matter – Elements, Compounds and Mixtures | Distinction between compounds and mixtures. Chemical reaction observations. |
| November | Chapter 9: The Amazing World of Solutes, Solvents and Solutions Chapter 10: Light – Mirrors and Lenses | Saturated solution preparation. Ray diagrams. Image formation by concave/convex mirrors. |
| December | Chapter 11: Keeping Time with the Skies | Sundial construction. Tracking moon phases. Understanding planetary orbits. |
| January | Chapter 12: How Nature Works in Harmony | Field visit or ecological study. Food chain/web modelling. |
| February | Chapter 13: Our Home – Earth, a Unique Life-Sustaining Planet | Model making of Earth's layers. Debate on sustainability. |
| March | Revision & Annual Examination | Final Term Assessments covering the full year's syllabus (focus on Term 2). |

EVALUATION / EXAMINATIONS

| Exams | Chapters / Topics | Internal Assessment |
|--------|-------------------|---------------------|
| PT-1 | Chapters 1, 2, 3 | Written Test |
| PT-2 | Chapters 8, 9, 10 | Written Test |
| Term-1 | Chapters 1 to 7 | Written Test |
| Term-2 | Chapters 8 to 13 | Written Test |

SUBJECT: Social Science

| Month | Chapter Number and Name (Text book and Workbook) | Map | Activity | Learning Outcomes |
|-----------|---|---|--|--|
| April | Ch-1 - Natural Resources and Their Use Ch-2 -Reshaping India's Political Map | Map Skill - all the Map Tasks of the chapter | *Speech – Importance of Conservation of Resources *Poster making - "Unity in Diversity" | • Understand the types of natural resources and the importance of their conservation. • Analyze the historical and geographical changes in India's political map and appreciate the concept of "Unity in Diversity". |
| May | Ch-5 - Universal Franchise and India's Electoral System | | * Conducting election in the class | • Practically understand the democratic election process, the right to vote (Universal Adult Franchise) and the functioning of the electoral system. |
| June | Ch-3 - The Rise of Marathas | Map Skill - all the Map Tasks of the chapter | * Role Play – "The Ashta Pradhan" | • Comprehend the reasons behind the rise of the Maratha Empire and familiarize themselves with administrative structures like the 'Ashta Pradhan'. |
| July | Ch-7 - Factors of Production Ch-6 - The Parliamentary System Legislature and Executive | | * Role Play – Land owner, labourers, traders, capitalists • * Conducting session of parliament * How does a bill become law? | • Understand the key factors of production in economics (land, labour, capital) and their role in the economy. • Comprehend the functions of the Indian Parliament, differentiate between the legislature and executive and learn the detailed process of how a bill becomes a law. |
| August | Ch-4 - The Colonial Era | Map Skill - all the Map Tasks of the chapter | * Debate – "Was the British rule beneficial or harmful for Indian upgrading Education" | • Critically analyze the changes in India during British colonial rule, with a special focus on its impact on the Indian education system. |
| September | Revision Half Yearly Examination | | | |

Syllabus of PT1:

- **Ch-1** Natural Resources and Their Use
- **Ch-2** Reshaping India's Political Map
- **Ch-3** The Rise of Marathas
- **Ch-5** Universal Franchise and India's Electoral System

Syllabus of Half Yearly Examination

- **Ch-1** Natural Resources and Their Use
- **Ch-2** Reshaping India's Political Map
- **Ch-3** The Rise of Marathas
- **Ch – 4 The Colonial Era**
- **Ch-5** Universal Franchise and India's Electoral System
- **Ch-6** - The Parliamentary System Legislature and Executive
- **Ch-7** - Factors of Production

SUBJECT: FINANCIAL LITERACY

| Month | Chapter / Topic | Learning Outcomes |
|-----------|---|--|
| April | Community Chat on Indirect Taxes (Story) | Understand indirect taxes through discussion and examples. |
| May | Insurance: History, Advantages and Types | Understand insurance, its need, and different types. |
| June | Banks: Types and Classification | Learn about different types of banks and their functions. |
| July | Tax: Classification, Need and Benefits | Understand types of taxes and their importance for development. |
| August | Bank Accounts: Opening, Operation and E-Banking | Understand how to open and operate bank accounts; basics of e-banking. |
| September | Banking Instruments: Cheque, DD, Debit & Credit Slips | Learners understand the use of different banking instruments. |
| October | Taxes: Old & New Regimes; Tax Computing | Students understand tax regimes and basic tax calculations. |
| November | Financial Numeracy Practice | Application-based practice of banking and tax concepts. |
| December | Banking Instruments: Cheque, DD, Debit & Credit Slips | Learners understand the use of different banking instruments. |
| January | Strengthening Financial Vocabulary and Understanding | Strengthen financial vocabulary and understanding. |
| February | Annual Examination | Comprehensive assessment |
| March | Annual Examination | Comprehensive assessment |

EVALUATION / EXAMINATIONS

| Exams | Chapters / Topics | Internal Assessment |
|--------|--------------------|------------------------------------|
| PT-1 | Insurance, Banks | Class test, oral assessment |
| PT-2 | Tax, Bank Accounts | Worksheets, activities |
| Term-1 | Chapters 1–4 | Written exam + Internal Assessment |
| Term-2 | Chapters 5–8 | Written exam + Internal Assessment |

SUBJECT: GENERAL KNOWLEDGE

| Month | Chapter / Topic | Learning Outcomes |
|-----------|--|--|
| April | Ch.1 The Science Guy Explains Puberty: The Transition into Adulthood | Understand physiological and emotional changes during puberty. Identify the role of hormones in the transition to adulthood. |
| May | Ch.2 Brain's Messengers: Neurotransmitters! Ch.3 Introduction to Cells | Explain how neurons communicate via chemical signals. Define the cell as the basic unit of life and understand key organelles. |
| June | Ch.4 The Science Guy Explains DNA Ch.5 Understanding Consent | Describe the structure of DNA and its role as the genetic blueprint. Define the principles of consent and its importance in respecting personal boundaries. |
| July | Ch.6 Vishwa and Soma Talk About Etiquette Ch.7 Jane Goodall and Her Legacy | Identify and practise social norms in various settings. Explore primatology research and lifelong environmental advocacy. |
| August | Ch.8 'Crossing the Rubicon' and its Impact on World History Ch.9 Gabriel Garcia Marquez Explains 'Banana Republics' Ch.10 Vishwa and Soma Talk About the Naval Cavalcade of Cholas | Understand historical significance of Caesar's decision. Analyse socio-political critique of economic exploitation. Appreciate maritime achievements of the Chola Dynasty. |
| September | Revision | Half-Yearly Revision |
| October | Ch.11 The Battles of Panipat: Turning Points in Indian History Ch.12 The Battle of Plassey: The Dawn of British Rule in India | Analyse the strategic factors of these battles. Evaluate how the East India Company transformed into a political and military force. |
| November | Ch.13 Few Social Movements of Modern India Ch.14 Vishwa and Soma Discuss Article 25 and 17 of the Indian Constitution Ch.15 Game: Insaaf – Navigating India's Legal System | Identify key social reforms and leaders. Understand constitutional guarantees of religious freedom and abolition of untouchability. Gain practical knowledge of the Indian judicial framework. |
| December | Ch.16 Nobel Laureates and their Works Ch.17 Homer's Odyssey Ch.18 Video Shooting and Editing | Match laureates with major contributions. Identify Epic genre conventions and Odysseus's journey. Develop basic video capture and editing skills. |
| January | Ch.19 Artificial Intelligence (AI) | Explain basic AI concepts and explore ethical implications and practical applications of machine learning in daily life. |
| February | Final Revision | Preparation and recap. |
| March | Annual Examination | Comprehensive assessment. |

EVALUATION / EXAMINATIONS

| Exams | Chapters / Topics | Internal Assessment |
|--------|---------------------|------------------------------------|
| PT-1 | Chapters 1, 2, 3 | Class test, oral assessment |
| PT-2 | Chapters 11, 12, 13 | Class test, oral assessment |
| Term-1 | Chapters 1 to 10 | Written exam + Internal Assessment |
| Term-2 | Chapters 11 to 19 | Written exam + Internal Assessment |

Sub: ...English Grammar.....

| Month | Chapter/ Topic | Learning Outcomes |
|-----------|---|---|
| April | April Chapter 1: Determiners • Articles • Demonstratives • Quantifiers • Numbers | Students will identify and use different kinds of determiners correctly in speaking and writing. |
| May | Chapter 2: Verbs: Auxiliaries & Modals • Chapter 3: Verbs: Tenses | Students will use auxiliary and modal verbs correctly and apply tense rules accurately in sentences. |
| June | Chapter 4: Present and Past • Chapter 5: Talking about the Future Diary Entry Notice Writing | Students will differentiate between present, past, and future forms and use them appropriately in real-life situations. |
| July | Chapter 6: Verb Forms in Conditionals • Chapter 7: Sequence of Tenses • Chapter 8: Subject–Verb Agreement Letters & Emails | Students will form conditional sentences, maintain tense consistency, and ensure subject–verb agreement. |
| August | Chapter 9: Mood • Chapter 10: The Infinitive News Report & Data Interpretation. | Students will revise grammar concepts and apply infinitives and moods effectively in communication. |
| September | Chapter 11: The Participle • Chapter 12: The Gerund • Half-Yearly Revision | Students will distinguish between participles, gerunds, and infinitives and use them accurately. |
| October | Chapter 13: Active & Passive Voice • Chapter 14: Adverbs | Students will transform sentences between active and passive voice and use adverbs meaningfully. |
| November | Chapter 15: The Preposition • Chapter 16: The Conjunction • Chapter 17: Direct & Indirect Speech. | Students will connect ideas logically and convert narration forms correctly. |
| December | Chapter 18: Punctuation • Revision Test 2 • Chapter 19: Phrases • Chapter 20: Clauses | Students will punctuate sentences correctly and identify phrases and clauses in complex structures. |
| January | Chapter 21: Analysis of Simple Sentences • Chapter 22: Analysis of Complex Sentences • Chapter 23: Analysis of Compound Sentences | Students will analyze sentence structures and improve grammatical accuracy in writing. |
| February | Chapter 24–28: Transformation & Synthesis of Sentences • | Students will transform and combine sentences effectively to improve expression and fluency. |
| March | Chapter 29–39: Comprehension | Students will enhance comprehension, creative writing, vocabulary, communication, |

Evaluation/Examinations

| Exams | Chapters/ Topics | Internal Assessment |
|--------|---------------------|------------------------------------|
| PT 1 | Determiners Ch. – 1 | Written Test |
| PT 2 | Ch. 15 & 16 | Written Test |
| Term 1 | Ch. 1 to Ch. 14 | Written Test + Internal Assessment |
| Term 2 | Ch – 15 to Ch. – 38 | Written Test + Internal Assessment |

Sub:English (Literature).....

| Month | Chapter/ Topic | Learning Outcomes |
|-----------|---|--|
| April | Unit 1: Wit and Wisdom Chapter 1: The Wit that Won Hearts | <ul style="list-style-type: none"> • Improve reading comprehension • Understand humour and wit • Develop speaking and storytelling skills • Learn new vocabulary |
| May | Chapter 2: A Concrete Example Chapter 3: Wisdom Paves the Way | <ul style="list-style-type: none"> • Appreciate poetry and drama • Identify irony and satire • Build critical thinking and creativity |
| June | Unit 2: Values and Dispositions Chapter 4: A Tale of Valour – Major Somnath Sharma | <ul style="list-style-type: none"> • Learn courage and patriotism • Read biographies effectively • Improve inferential comprehension |
| July | Chapter 5: Somebody's Mother | <ul style="list-style-type: none"> • Develop empathy and values • Understand poetic devices |
| August | Chapter 6: Verghese Kurien – I Too Had A Dream | <ul style="list-style-type: none"> • Develop empathy and values • Understand poetic devices • Learn inspirational life lessons |
| September | Unit 3: Mystery and Magic Chapter 7: The Case of the Fifth Word. | <ul style="list-style-type: none"> • Develop analytical reading • Improve prediction and reasoning skills • Build curiosity and imagination |
| October | Chapter 8: The Magic Brush of Dreams | <ul style="list-style-type: none"> • Develop analytical reading • Improve prediction and reasoning skills • Build curiosity and imagination |
| November | Chapter 9: Spectacular Wonders | <ul style="list-style-type: none"> • Understand fantasy and imagination • Enhance descriptive writing • Appreciate literary themes |
| December | Unit 4: Environment Chapter 10: The Cherry Tree Chapter 11: Harvest Hymn | <ul style="list-style-type: none"> • Develop environmental awareness • Appreciate nature poetry • Improve observation and expression. |
| January | Chapter 12: Waiting for the Rain Grammar + Writing | <ul style="list-style-type: none"> • Understand climate and nature themes • Practice comprehension and grammar integration. |
| February | Unit 5: Science and Curiosity Chapter 13: Feathered Friend Chapter 14: Magnifying Glass | <ul style="list-style-type: none"> • Connect science with language learning • Improve factual reading • Encourage curiosity and questioning. |
| March | Chapter 15: Bibha Chowdhuri – The Beam of Light Final Revision | <ul style="list-style-type: none"> • Learn about scientific achievement • Develop presentation and summarising skills • Prepare for annual exams. |

Evaluation/Examinations

| Exams | Chapters/ Topics | Internal Assessment |
|--------|--|------------------------------------|
| PT 1 | Chapter 1: The Wit that Won Hearts | Class Test |
| PT 2 | Chapter 8: The Magic Brush of Dreams Chapter 11: Harvest Hymn | Class Test |
| Term 1 | Ch. 1 to Ch. – 7 | Written Test + Internal Assessment |
| Term 2 | Ch. 8 to Ch. 15 | Written Test + Internal Assessment |

विषय: हिन्दी व्याकरण

| महीना | पाठ्यक्रम / विषयसची | अर्पक्षित अधिगम |
|---------|--|---|
| अप्रैल | भाषा बोली व्याकरण, वर्ण विचार (11), सन्धि | भाषा के विभिन्न रूपों को पहचानना, वर्ण-विच्छेद तथा उच्चारण समझना, शब्दों के मेल (सन्धि) के नियमों को जानना। |
| मई | शब्द विचार - उत्पत्ति की दृष्टि से, रचना की दृष्टि से, अर्थ की दृष्टि से | शब्द-निर्माण के प्रक्रम को जानना। |
| जून | पर्यायवाची, विलोम शब्द, श्रुतिसमभिन्नार्थक शब्द | पर्याय को समझना, विपरीतार्थक शब्द को जानना। |
| जुलाई | संज्ञा, लिंग, कारक, पत्र लेखन, निबन्ध लेखन | वाक्य में संज्ञा के भेदों, लिंग, वचन, कारक चिन्हों का प्रयोग करना। औपचारिक-अनौपचारिक पत्र को लिखना, समझना। निबन्ध-लेखन लिखने के लिए सीखना। |
| अगस्त | समास, अपठित गद्यांश, अपठित पद्यांश, विज्ञापन-लेखन | समास विग्रह करना, नए शब्द बनाना। अपठित गद्यांश को पढ़कर तर्कसंगत उत्तर दे पाना। |
| सितम्बर | अर्द्धवार्षिक-परीक्षा | परीक्षा के लिए उपयोगी उपरोक्त पाठों का अभ्यास कराना। |
| अक्टूबर | अनुच्छेद लेखन, उपसर्ग, प्रत्यय | दिए गए विषय पर अनुच्छेद लेखन करना। प्रत्यय, उपसर्ग द्वारा नवीन शब्दों का निर्माण करना। अर्थ समझाने की क्षमता विकसित करना। |
| नवम्बर | पत्र-लेखन, वाच्य, विज्ञापन लेखन | कार्यालय सम्बन्धित पत्र पर प्रकाश डालना। विज्ञापन लिखना तथा प्रकाशित करना सीखना। |
| दिसम्बर | अलंकार, पद, पद-परिचय, मुहावरे | अनुप्रास, यमक, उपमा, मानवीकरण जैसे प्रमुख अलंकारों को पहचानना तथा लिखना सीखना। भाषा में पद-परिचय देना सीखना तथा मुहावरों का अर्थ समझ वाक्यों में प्रयोग करना। |
| जनवरी | निबन्ध-लेखन, संवाद-लेखन | परीक्षा के लिए उपयोगी निबन्ध लिखवाना। संवाद के माध्यम से लेखन। |
| फरवरी | महत्वपूर्ण पाठों का अभ्यास कराना | परीक्षापयोगी पाठाभ्यास |
| मार्च | वार्षिक परीक्षा | वार्षिक-परीक्षा |

परीक्षा पाठ्यक्रम:

| परीक्षा | महीना | पाठ सख्या |
|---------|---------|--|
| PT-1 | जून | 1, 2, 3, 4, 31, 33, 5, 06 |
| PT-2 | दिसम्बर | 7, 8, 11, 12, 13, 29 |
| Term-1 | सितम्बर | 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 33, 31, 36, 37 |
| Term-2 | मार्च | 3, 4, 5, 6, 11, 12, 13, 29, 31, 36, 37, 33 |

विषय: हिन्दी - 'मल्हार'

| महीना | पाठ का नाम | अर्पक्षित अधिगम परिणाम |
|---------|--|---|
| अप्रैल | स्वदेश (कविता) | छात्र देश-प्रेम की भावना समझ सकेंगे। देश के प्रति प्रेम, त्याग, समर्पण को अपनायेंगे। सस्वर वाचन की सीख। |
| मई | दो गौरैया (कहानी) | जीव-जन्तु के प्रति संवेदनशीलता, दोस्ती का महत्व समझेंगे। पक्षियों के समर्पण, त्याग तथा प्रेम-भाव जानेंगे। |
| जून | एक आशीर्वाद (कविता) | आशीर्वाद के महत्व, बड़ों के प्रति सम्मान को आत्मसात करेंगे। |
| जुलाई | हरिद्वार (पत्र) | यात्रा वृत्तान्त लेखन की शैली तथा सांस्कृतिक-धार्मिक महत्व को समझेंगे। |
| अगस्त | कबीर के दोहे (पद्य) | नीति प्रेरक शिक्षाओं का जीवन में उपयोग करना सीखेंगे। भाषा-सौन्दर्य समझ सकेंगे। |
| सितम्बर | एक टोकरी भर मिट्टी (कहानी) / अर्द्धवार्षिक परीक्षा | नैतिक मूल्य (जैसे- अहंकार का अंत) समझ सकेंगे तथा कहानी-लेखन जानेंगे। परीक्षोपयोगी-अभ्यास (ऊपर दिए गए पाठों का)। |
| अक्टूबर | मतबाँधो (कविता) | स्वतंत्रता और समानता के महत्व समझ सकेंगे। |
| नवम्बर | नए मेहमान (एकांकी) | नाटक/एकांकी के मंचन के माध्यम से संवाद सीखना और अभिनय करना। |
| दिसम्बर | आदमी का अनुपात (कविता) | समाज तथा सामाजिक एकता के प्रति संवेदनशील बनने की भावना सीख सकेंगे। |
| जनवरी | तरुण के स्वप्न (उद्बोधन) | आत्मविश्वास, राष्ट्र-निर्माण के प्रति समर्पण। युवाओं के सपनों को समझ सकेंगे। |
| फरवरी | पाठ से अभ्यास | परीक्षोपयोगी प्रश्नों के अभ्यास तथा परीक्षा में उत्तर कैसे दें, समझेंगे। |
| मार्च | वार्षिक - परीक्षा | वार्षिक - परीक्षा |

परीक्षा पाठ्यक्रम:

| परीक्षा | महीना | पाठ संख्या |
|---------|-------------|------------------|
| PT-1 | जून | 1, 2 |
| PT-2 | दिसम्बर | 3, 4 |
| Term I | सितम्बर | 1, 2, 3, 4, 5, 6 |
| Term II | फरवरी-मार्च | 07, 08, 9, 10 |

| महीना | संस्कृत (पाठ एव विवरण) | अधिगम प्रतिफल (Learning Outcomes) |
|---------------------------------|--|---|
| अप्रैल | मंगलम् | छात्र चराचर जगत में ईश्वर की सर्वव्यापकता को समझेंगे तथा उनके प्रति कृतज्ञता एवं भक्तिभाव विकसित कर सकेंगे। |
| मई | पुनरावर्तन प्रथम | छात्र प्रकृति में सूर्य के महत्व, ऋतु चक्र और जलचक्र में सूर्य की वैज्ञानिक एवं प्राकृतिक भूमिका का अवबोधन कर सकेंगे। |
| जून | पुनरावर्तन द्वितीय | छात्र विवेकहीनता और दूसरों की बातों में आकर निर्णय लेने के दुष्परिणामों को समझकर अपने भीतर तार्किक सोच का विकास कर सकेंगे। |
| जुलाई | <ul style="list-style-type: none"> जननी जन्मभूमिश्च गुरुभक्त आरुणिः देशरत्न डॉ० राजेन्द्र प्रसादः | छात्र माता, मातृभूमि और गुरु के प्रति श्रद्धाभाव जागृत कर सकेंगे। देश के प्रथम राष्ट्रपति के जीवन-मूल्यों से प्रेरणा ग्रहण कर आदर्श नागरिक के गुणों को अपना सकेंगे। |
| अगस्त | <ul style="list-style-type: none"> त्रयः प्रश्नः गीतामृतम् वीरांगना लक्ष्मीबाई | छात्र गीता के निष्काम कर्मयोग को समझेंगे, समय-प्रबंधन सीखेंगे और वीरांगना लक्ष्मीबाई के सर्वोच्च बलिदान से देशभक्ति की प्रेरणा प्राप्त करेंगे। |
| सितंबर - अर्द्ध-वार्षिक परीक्षा | | |
| अक्टूबर | <ul style="list-style-type: none"> सिंहदिलीपयोः संवादः नृपस्य न्यायः श्रीरामचरितम् | छात्र कालिदास के साहित्य से परिचित होंगे। राजा दिलीप और श्रीराम के चरित्र के माध्यम से न्याय, त्याग, वचनबद्धता और जीवन में मर्यादाओं की स्थापना करना सीखेंगे। |
| नवंबर | <ul style="list-style-type: none"> सर्वोत्तमवरः पर्यावरणम् सुभाषितानि | छात्र पर्यावरण संरक्षण और वृक्षारोपण के प्रति जागरूक होंगे। सुभाषितों के माध्यम से जीवन में नैतिक मूल्यों और सदाचार को आत्मसात कर सकेंगे। |
| दिसंबर | <ul style="list-style-type: none"> वयं पञ्चाधिकं शतम् महाकविः कालिदासः कन्याकुमारीतः पत्रम् | छात्र महाकवि कालिदास की विद्वत्ता से प्रेरणा प्राप्त करेंगे, पत्राचार के माध्यम से शिष्टाचार सीखेंगे तथा भ्रातृत्व भाव का तार्किक विश्लेषण कर सकेंगे। |
| जनवरी | <ul style="list-style-type: none"> भ्रातृभक्तिः सूक्तिसप्तकम् | छात्र श्रीराम और भरत के आदर्श भ्रातृ-प्रेम से पारिवारिक मूल्यों को समझेंगे और सूक्तियों के माध्यम से सकारात्मक विचारों को जीवन में अपना सकेंगे। |
| फरवरी | पुनरावृत्ति | संपूर्ण पाठ्यक्रम का समेकित अभ्यास एवं मूल्यांकन की तैयारी। |
| मार्च - वार्षिक परीक्षा | | |

संस्कृत व्याकरण

| महीना | व्याकरण (पाठ एवं विवरण) | अधिगम प्रतिफल (Learning Outcomes) |
|---------------------------------|--|---|
| अप्रैल | <ul style="list-style-type: none"> सन्धि प्रकरणम् शब्द रूपाणि | छात्र शब्दों के मेल (संधि) और विच्छेद का ज्ञान प्राप्त कर शुद्ध उच्चारण व लेखन कर सकेंगे। विभिन्न विभक्तियों के अनुसार शब्द-रूपों का वाक्यों में सटीक प्रयोग करने में सक्षम होंगे। |
| मई | <ul style="list-style-type: none"> संख्या, संख्यावाचक शब्दाः धातुरूपाणि उपसर्गः | छात्र संस्कृत में संख्याओं का ज्ञान प्राप्त कर उनका विशेषण के रूप में प्रयोग कर सकेंगे। परस्मैपद धातुओं के विभिन्न लकारों में प्रयोग और उपसर्गों द्वारा नवीन शब्द-निर्माण की समझ विकसित करेंगे। |
| जून | <ul style="list-style-type: none"> प्रत्ययाः समास-प्रकरणम् अव्यय शब्दाः | छात्र प्रत्ययों का ज्ञान प्राप्त करेंगे। समास के माध्यम से भाषा में संक्षिप्तता लाना सीखेंगे तथा अव्यय शब्दों की पहचान कर वाक्यों में उनका निर्विकार प्रयोग कर सकेंगे। |
| जुलाई | <ul style="list-style-type: none"> पर्यायाः विपर्यायाः विशेषण विशेष्य वाच्य | छात्र शब्दकोश में वृद्धि हेतु समानार्थक व विलोम शब्दों का ज्ञान प्राप्त करेंगे। विशेषण-विशेष्य के सम्बन्ध को समझेंगे तथा कर्तृवाच्य व कर्मवाच्य में वाक्य परिवर्तन का अभ्यास करेंगे। |
| अगस्त | अभ्यास | व्याकरणिक नियमों का व्यावहारिक अभ्यास एवं सुदृढीकरण। |
| सितंबर - अर्द्ध वार्षिक परीक्षा | | |
| अक्टूबर | <ul style="list-style-type: none"> समयबोधनम् अशुद्धि संशोधनम् चित्रवर्णनम् | छात्र संस्कृत में समय देखने और बताने में दक्ष होंगे। वाक्य-रचना की व्याकरणिक अशुद्धियों को पहचान कर सुधार सकेंगे तथा रचनात्मक सोच के साथ चित्र-वर्णन कर सकेंगे। |
| नवंबर | <ul style="list-style-type: none"> संवाद लेखन पत्र लेखन | छात्र दैनिक जीवन की स्थितियों पर आधारित संस्कृत में संवाद करने की क्षमता विकसित करेंगे तथा औपचारिक व अनौपचारिक पत्र-लेखन कौशल में निपुण होंगे। |
| दिसंबर | अपठित गद्यांश | छात्र अपठित गद्यांश को पढ़कर अर्थ-ग्रहण करने की क्षमता का विकास करेंगे तथा स्वतंत्र रूप से संस्कृत में उत्तर देने का अभ्यास करेंगे। |
| जनवरी | अभ्यास | रचनात्मक एवं व्यावहारिक व्याकरण का निरंतर अभ्यास। |
| फरवरी | पुनरावृत्ति | वार्षिक परीक्षा के दृष्टिकोण से व्याकरण के समस्त विषयों की पुनरावृत्ति। |
| मार्च - वार्षिक परीक्षा | | |

Subject:- Computer

April – Unit 1: Computer Basics (Cyber Ethics)

- **Core Focus:** Principles of digital ethics, recognizing cybercrime, and understanding networking fundamentals.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|---------------------------------------|--|---|---|
| 1 | Cyber Ethics & Cybercrime | Define cybercrime and understand the foundational pillars of cyber ethics. | Brainstorming session on real-life examples of online scams and safe behavior. | Set strong, secure passwords and explore privacy settings on an operating system. |
| 2 | Unethical Practices & Safety Measures | Identify unethical online behaviors and master internet safety protocols. | Group discussion on plagiarism, copyright infringement, and software piracy. | Install or update system security tools and configure basic firewall/antivirus controls. |
| 3 | Digital Footprints & Netiquette | Understand how digital footprints are created and learn proper netiquette. | Trace a hypothetical user's online trail to see what information they leave behind. | Conduct a self-audit search to analyze public digital footprints and configure browser privacy tools. |
| 4 | Networking Concepts | Learn the fundamentals of how computers connect and communicate. | Draw a network connection blueprint mapping how data travels from home to a server. | Identify network adapter settings, IP addresses, and check network speed/connectivity parameters. |

May – Unit 1: Computer Basics (Emerging Trends)

- **Core Focus:** Exploring cutting-edge technologies and completing the first core assessment checkpoint.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|---------------------------------|---|---|--|
| 1 | Big Data & Blockchain | Understand the concepts of high-volume data analytics and decentralized ledgers. | Interactive game: Simulating a secure peer-to-peer transaction block ledger. | Look up open-source public data visualization tools and analyze trend graphs. |
| 2 | AR, VR, MR, and XR | Differentiate between Augmented, Virtual, Mixed, and Extended Realities. | Case study analysis of how industries (like medicine or gaming) use immersive tech. | Experience or examine a web-based AR/VR simulation portal (e.g., Google Arts & Culture). |
| 3 | Expert Systems & Edge Computing | Learn how rule-based AI expert systems work and the utility of localized computing. | Creating a physical logic tree diagram to diagnose a basic computer issue. | Interact with a web-based diagnostic or classification expert system tool. |
| 4 | Revision & Worksheet 1 | Consolidate learning from Chapters 1 and 2. | Conduct a quick-fire class quiz on cyber ethics and futuristic tech trends. | Complete and evaluate Worksheet 1 to assess conceptual clarity. |

July – Unit 2: Coding (Iterative Statements in Python - Part 1)

- **Core Focus:** Introducing control structures, operators, and conditional logic in Python.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|---------------------------------------|---|---|--|
| 1 | Python Programming Basics & Operators | Review basic Python execution and master arithmetic, logical, and relational operators. | Evaluating complex mathematical expressions manually on the whiteboard. | Open the Python IDE (IDLE/Thonny) and practice running compound expressions. |
| 2 | Types of Control Structures | Differentiate between sequential, conditional, and iterative code flows. | Flowcharting everyday decision making (e.g., choosing clothes based on the weather). | Write simple sequential scripts that accept user input and process data outputs. |
| 3 | Conditional Statements | Implement single and multi-path logic using if, elif, and else blocks. | Debugging exercise: Locating syntax and structural errors in broken conditional statements. | Code programs to check conditions (e.g., determining if a number is even/odd or calculating grades). |
| 4 | Concept of Loops | Understand why programs use iteration and repetitive execution logic. | Physical loop relay activity: Repeating a specific sequence of actions under given constraints. | Write a script that executes a statement multiple times manually vs. using a loop concept. |

August – Unit 2: Coding (Iterative Statements in Python - Part 2)

- **Core Focus:** Mastery over for loops, while loops, infinite execution bugs, and structural loop modifications.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|-------------------------------------|--|--|---|
| 1 | The for Loop in Python | Master the syntax of for loops and utility functions like range(). | Decoding range parameters (e.g., range(1, 10, 2)) using flashcards. | Write programs to print multiplication tables, number sequences, or count ranges. |
| 2 | The while Loop | Implement conditional iteration patterns using while loop syntax structures. | Code-tracing drill to predict final output counters step-by-step on paper. | Program applications that run continuously until a specific user exit command is typed. |
| 3 | Infinite Loops | Understand how infinite loops occur and learn how to terminate them safely. | Intentionally designing loop conditions that never resolve to explore memory behavior. | Create a program with an error loop, execute it, and use termination shortcuts (like Ctrl+C). |
| 4 | Using else in Loops & Syntax Review | Learn Python's unique else block execution context within loop frameworks. | Flowcharting the exit path of a loop structure that carries an optional else block. | Code structural validation algorithms combining loops, conditional statements, and else. |

September – Unit 2: Coding (More on HTML5 - Part 1)

- **Core Focus:** Document architecture structural tags, lists, and advanced sub-list nests.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|------------------------------|--|--|---|
| 1 | Revising HTML Tags | Refresh foundational knowledge of core HTML document layouts, headings, and text formatting. | Reconstruct a basic webpage schematic layouts using dry-erase markers. | Write a baseline HTML5 file using a text editor (Notepad/VS Code) and open it in a browser. |
| 2 | HTML Lists & List Properties | Build ordered () and unordered () lists and customize their type values. | Conceptual mapping: Translating a raw bulleted grocery list into valid HTML list items. | Create an online list page displaying school subjects with modified bullet icons/number styles. |
| 3 | Nested Lists | Learn how to properly embed lists inside other list elements for multi-level structures. | Diagram a hierarchical file folder tree system structure on paper. | Write an HTML script displaying a multi-tiered navigation menu using nested lists. |
| 4 | Description Lists | Implement definition terms (<dt>) and descriptions (<dd>) inside a <dl> structure. | Match technology terms with their definitions before translating them into code formats. | Build a glossary web page detailing key internet concepts using structural description tags. |

October – Unit 2: Coding (More on HTML5 - Part 2 & Links/Frames)

- **Core Focus:** Structuring tables, injecting media objects, web page linking, and multi-frame layouts.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|---|---|---|---|
| 1 | HTML Tables & Properties | Construct functional grid tables utilizing structural row, header, and data tags. | Sketch out a 3x3 student timetable grid layout indicating rows and borders. | Program an HTML webpage containing a clean, bordered school timetable table. |
| 2 | Inserting Images in a Table & Worksheet 2 | Combine image source tags within specific table cells; complete milestone review. | Sizing and optimizing asset file sizes before linking them to an application. | Build an online product catalog table layout featuring pictures; complete Worksheet 2 . |
| 3 | Linking Web Pages & CSS and Links | Connect multiple external/internal documents using anchor links; apply basic styles. | Trace paths between distinct individual local text files saved across a local root folder. | Create a mini multi-page website containing working Hyperlink navigation paths. |
| 4 | Audio, Video, and Frames | Embed multi-media playback controls into webpages and partition layouts using frames. | Media file formatting discussion: Comparing compatibility parameters of MP4, MP3, and WebM. | Code a media hub portfolio page playing custom audio and video files directly inside the browser. |

November – Unit 2 & Unit 3: Introduction to App Development

- **Core Focus:** Software deployment classifications, usage analytics, and custom mobile interface mockups.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|--|---|--|--|
| 1 | Apps & Types of Apps | Understand the nature of software applications across native, web, and hybrid variations. | App sorting activity: Classifying popular platforms (e.g., YouTube, WhatsApp) by platform type. | Compare resource footprints of a web application vs. its desktop wrapper equivalent. |
| 2 | Classification & Uses of Common Apps | Categorize mobile utilities by sector (e.g., social, educational, productivity, entertainment). | Group research project tracking daily utility statistics of widely used communication platforms. | Create a functional user UI layout wireframe diagram for a custom helpful public safety tool. |
| 3 | Downloading, Installing, & Building Apps | Understand installation deployment cycles, system permissions, and mobile packaging layouts. | Reviewing and auditing app store permissions data policies for privacy protection. | Explore cloud-based graphical app builders (e.g., MIT App Inventor) to configure a baseline project workspace. |
| 4 | Developing Your Own App & Worksheet 3 | Connect buttons to basic functional events inside an app environment. | Map the interactive touch click-flow logic from a splash window straight to secondary app screens. | Build, preview, and test a simple interactive mobile app button panel; solve Worksheet 3 . |

December – Unit 3: Artificial Intelligence & Robotics (Introduction to Data Science)

- **Core Focus:** Artificial Intelligence ecosystem branches, lifecycle workflows of data science, and analytical models.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|-------------------------------------|---|---|---|
| 1 | AI and its Domains | Explore basic sub-fields of Artificial Intelligence (Computer Vision, NLP, Data). | Human vs. Machine challenge game to classify object patterns from input descriptions. | Interact with an online conversational platform to explore response generation patterns. |
| 2 | Introduction to Data & Data Science | Define data assets, dataset characteristics, and structural variations. | Collect, group, and sort structural metrics (e.g., height, eye colors) across classmates. | Create a spreadsheets table file tracking class attributes and generate summary statistics. |
| 3 | Life Cycle of Data Science | Master data collection, scrubbing, parsing, analysis, visualization, and validation. | Chart out a step-by-step workflow tracking how weather information leads to storm alerts. | Run simple data-cleaning techniques (removing duplicate records) on a sample dataset text file. |
| 4 | Applications of Data Science | Understand real-world implementations like streaming recommendation engines or targeted healthcare forecasts. | Deconstruct the backend parameters driving video feed recommendation profiles. | Map out a predictive model template to predict campus store resource needs for next term. |

January – Unit 3: Artificial Intelligence & Robotics (Next Generation of Robots)

- **Core Focus:** Mechanical intelligence architectures, prominent modern systems, safe design directives, and project work.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|---|---|---|--|
| 1 | Human-like Robots & Exploring the Unknown | Analyze humanoid robotic designs and automated exploration equipment configurations. | Presentation tracking deep-space probes or deep-sea search equipment structural constraints. | Interact with visual simulations modeling remote explorer movement systems. |
| 2 | Future Workplaces & Famous Indian Robots | Examine automation developments in manufacturing and study domestic robotic projects (e.g., Vyommitra). | Design an interactive wall poster celebrating engineering benchmarks in Indian robotics. | Research, list, and format technical features of top field automation units in a clean table layout. |
| 3 | Safety Rules for Robots & Worksheet 4 | Explore automated design safety laws (Asimov's principles) and operational boundaries. | Debate: Managing ethical responsibilities and safety margins in driverless auto transit. | Draft an algorithmic fail-safe code script flowchart; complete milestone Worksheet 4 . |
| 4 | Final Project Work | Package academic achievements from Python, HTML5, or App concepts into a comprehensive project. | Peer testing reviews assessing functional performance limits across teammate code configurations. | Complete and package the final functional file assignment for Project Work evaluation. |

February – Annexures Integration, Revision & Final Assessment

- **Core Focus:** Sustainable Development Goals (SDGs), technical vocabulary growth, mock laboratory testing, and final evaluations.

| Week | Topics | Learning Outcomes | Activities | Practical / Lab Work |
|------|--|---|--|--|
| 1 | SDGs, AI Chatbots, & Digital Citizenship | Connect IT with sustainability targets, understand chatbot prompts, and practice digital asset safety. | Simulation game using the <i>Board Game: Dots and Boxes</i> or <i>Life Skills: 3Rs of Growing up</i> . | Practice setting up sandboxed chatbot prompt trees and review private info safety limits. |
| 2 | Python & HTML Core Review | Re-verify complete execution logic parameters for loops, arrays, nested list trees, and table displays. | Rapid-fire syntax troubleshooting races run directly on laboratory whiteboard monitors. | Complete code conversion testing sprints jumping from text concepts directly to live pages. |
| 3 | App Design & AI Framework Review | Re-confirm deployment frameworks, data science lifecycle progressions, and robot safety laws. | Flashcard team relays reviewing software configuration paths and engineering vocabulary. | Time-bound practical execution configuring operational app wireframe layout blocks. |
| 4 | Final Term Evaluation | Successfully demonstrate total mastery over the Class 8 computer science curriculum guidelines. | Review individual feedback portfolios using the <i>Holistic Progress Card</i> . | Perform final practical operations and resolve the standardized <i>ICSO Sample Paper</i> assessment. |

SUBJECT: MATHEMATICS

| Month | Chapter | Learning outcomes |
|-----------|---|--|
| April | Chapter 01 - A Square and a Cube | <ul style="list-style-type: none">• Understand squares and cubes of numbers.• Identify perfect squares and perfect cubes.• Apply square and cube concepts in problem solving.• Use square roots and cube roots correctly. |
| May | Chapter 02 - Power Play Chapter 03 - A Story of Numbers | <ul style="list-style-type: none">• Understand powers and exponents.• Simplify expressions using laws of exponents.• Identify different types of numbers.• Solve problems related to integers and rational numbers. |
| June | Chapter 04 - Quadrilateral | <ul style="list-style-type: none">• Identify different types of quadrilaterals.• Understand properties of quadrilaterals.• Draw and measure angles accurately.• Solve geometrical problems using properties. |
| July | Chapter 05 - Number Play Chapter 06 - We Distribute, Yet Things Multiply | <ul style="list-style-type: none">• Apply mathematical operations correctly.• Understand distributive property.• Simplify algebraic expressions.• Solve multiplication-based algebraic problems. |
| August | Chapter 07 - Proportional Reasoning I Model Papers + Revision | <ul style="list-style-type: none">• Understand ratio and proportion.• Solve problems based on proportional reasoning.• Apply mathematical concepts in daily life.• Revise and strengthen previously learned concepts. |
| September | Term – I Examination | |
| October | Chapter 08 - Fractions in Disguise Chapter 09 - Pythagoras Theorem | <ul style="list-style-type: none">• Understand fractions and equivalent forms.• Simplify fraction-based expressions.• Apply Pythagoras theorem in geometry.• Solve practical problems using the theorem. |
| November | Chapter 10 - Proportional Reasoning II Chapter 11 - Exploring Some Geometric Themes | <ul style="list-style-type: none">• Solve advanced proportional reasoning problems.• Understand geometrical patterns and themes.• Apply geometrical concepts accurately.• Develop logical and analytical thinking. |
| December | Chapter 12 - Tales by Dots and Lines Chapter 13 - Algebra Play | <ul style="list-style-type: none">• Understand geometrical representations.• Interpret patterns using dots and lines.• Solve algebraic expressions and equations.• Apply algebra in daily mathematical situations. |
| January | Chapter 14 - Area Model Papers | <ul style="list-style-type: none">• Calculate area of different figures.• Apply formulas correctly.• Solve real-life mensuration problems.• Practice model papers for examination preparation. |
| February | Revision | |
| March | Term II | |