

ST. THOMAS SCHOOL, LONI
CURRICULUM
CLASS-VIII

ENGLISH

Teaching Objectives:

- speak English fluently and accurately;
- speak freely. They should think in English and speak it with ease and frequently;
- express their ideas in English in the classroom at school, at home and in society;
- respond and react to situations actively and not remain only a passive listener;
- acquire the ability to understand the native speakers and also be able to respond to them;
- compose freely and independently in speech and writing;
- read books, newspapers and periodicals with understanding;
- develop sufficient command over vocabulary that should include frequent and choicest
- English phrases and idioms;
- use reference material like encyclopedia, dictionaries, reference books, etc.

Prescribed Book: Honey Dew and It so happened

Publisher: NCERT

SYLLABUS FOR ACADEMIC SESSION (2020-21)

TERM 1

PT I

Honey Dew	Chapter 1 - The Best Christmas Present in the World <i>The Ant and the Cricket(poem)</i>
It so happened	Chapter 1 – How the Camel got his hump 2- Children at work
Tsonga n pansy	Synonyms-Antonyms, Determiners, Figures of Speech(Oxymoron, Hyperbole, Imagery and Irony)
Writing	Diary Entry

Half Yearly

Honey Dew	Chapter 2- The Tsunami (Activity) <i>Geography Lesson- poem (Activity)</i> 4- Bepin Choudhury’s Lapse of Memory <i>The Last Bargain (poem)</i> 5- The Summit Within <i>The School Boy(poem)</i> <i>When I set out for Lyonesse- poem (recitation activity)</i>
It so happened	Chapter 2- Children at work 3- The Selfish Giant 4- The Treasure within (reading) 5- Princess September
Tsonga n pansy	Phrasal Verb, Tenses and Active Passive, Synonyms-Antonyms, Determiners, Figures of Speech(Oxymoron, Hyperbole, Imagery and Irony)
Writing	Diary Entry, Article Writing, Report Writing

TERM II

PT III

Honey Dew	Chapter 6- This is Jody’s Fawn <i>The Duck and the Kangaroo- poem</i>
It so happened	Chapter 6- The fight 7- The open window 8- Jalebis (writing)
Tsonga n pansy	Degree of Comparison, Idioms and Proverbs, Figures of Speech (Satire, Sarcasm, Refrain , Repetition and Epithet)
Writing	Biographical sketch

Finals

Honey Dew	Chapter 3- Glimpses of the Past(Activity) <i>Macavity: The Mystery Cat –poem</i> (Activity) 7- A Visit to Cambridge 8- A Short Monsoon Diary (writing activity) <i>On the Grasshopper and Cricket- poem</i> (recitation activity) 9- The Great Stone Face-I 10- The Great Stone Face -II
It so happened	Chapter 9- The comet- I 10- The comet- II
Tsonga n pansy	Homonyms- Homophones, Reported Speech , Modals, Degree of Comparison, Idioms and Proverbs, Figures of Speech (Satire, Sarcasm, Refrain , Repetition and Epithet)
Writing	Biographical sketch, Debate, Story Writing

हिंदी

शिक्षण के उद्देश्य

- व्याकरण का ज्ञान देना ताकि विद्यार्थी भाषा की शुद्धता समझ सकें।
- छात्रों को इस योग्य बना कि वे निर्धारित पाठ्यक्रम की शब्दावली व समकक्ष स्तर की शब्दावली को समझ सकें।
- छात्रों को वर्ण, शब्द, वाक्य रचना आदि व्याकरण विषयों का गहन ज्ञान देकर उनका व्यावहारिक प्रयोग सिखाना।
- छात्रों को यति, गति, तथा लय से निपुणतापूर्वक पठन के योग्य बनाना ।
- मौखिक और लिखित अभिव्यक्ति में कुशलताओं का विकास करना।
- छात्रों में सौन्दर्यानुभूति की भावना का विकास करना तथा बालकों में पाठ के रस भावों को समझने एवं ग्रहण करने की क्षमता पैदा करना।
- विद्यार्थियों में स्वाध्याय की प्रवृत्ति का विकास।
- छात्रों के शब्द कोष एवं सूक्ति भण्डार में वृद्धि करना।
- साहित्य की विभिन्न विधाओं का अध्ययन व समीक्षा करने की क्षमता का विकास।
- लेखक के गूढ़ विचारों को समझने की क्षमता का विकास करना ।

- सत्साहित्य से चारित्रिक विकास की ओर अग्रसर करना।

पाठ्य पुस्तकें-

1. वसंत भाग - 3

2. आधारशिला

प्रकाशक – NCERT (वसंत)

शिक्षण सत्र २०२०-२१ का पाठ्यक्रम

सामयिक परीक्षा - 1

वसंतभाग -3

पाठ-1	ध्वनि
पाठ-2	लाख की चूड़ियाँ
पाठ -3	बस की यात्रा
पाठ 4	दीवानों की हस्ती(रचनात्मक गतिविधि)

व्याकरणआधारशिला

पाठ-1	भाषा,लिपि ,बोली,उपभाषा,साहित्य एवं व्याकरण
पाठ-2	शब्द विचार
पाठ-3	पर्यायवाची ,विलोम ,अनेकार्थक
पाठ -4	उपसर्ग
पाठ -20	वाक्य विचार

अर्धवार्षिकपरीक्षा

वसंतभाग -3

पाठ-1	ध्वनि
पाठ-2	लाख की चूड़ियाँ
पाठ -3	बस की यात्रा
पाठ -5	चिट्ठियों की अनूठी दुनिया

पाठ -6	भगवान के डाकिए (कविता वाचन गतिविधि)
पाठ -7	क्या निराश हुआ जाए
पाठ -9	कबीर की साखियाँ

व्याकरणआधारशिला

पाठ-1	भाषा,लिपि ,बोली,उपभाषा,साहित्य एवं व्याकरण
पाठ-2	शब्दविचार
पाठ -3	पर्यायवाची ,विलोम ,अनेकार्थक
पाठ -4	उपसर्ग
पाठ -5	वाक्यविचार
पाठ -11	सर्वनाम
पाठ -12	विशेषण
पाठ -20	वाक्यविचार
पाठ -23	मुहावरे
रचनात्मकअभिव्यक्ति	अनुच्छेद,पत्र ,अपठितगद्यांश,अपठितपद्यांश

सामयिकपरीक्षा – 3

वसंतभाग -3

पाठ -8	यह सबसे कठिन समय नहीं (रचनात्मक गतिविधि)
पाठ -10	कामचोर
पाठ -11	जब सिनेमा ने बोलना सीखा
पाठ -12	सुदामा चरित

व्याकरणआधारशिला

पाठ -6	समास
पाठ -8	लिंग
पाठ -9	वचन
पाठ -13	क्रिया

पाठ -14	काल
पाठ -15	शब्द तथा वाक्य सम्बन्धी अशुद्धि संशोधन

वार्षिकपरीक्षा

वसंतभाग -3

पाठ -10	कामचोर
पाठ -11	जब सिनेमा ने बोलना सीखा
पाठ -12	सुदामा चरित
पाठ -13	जहाँ पहिया है
पाठ -14	अकबरी लोटा
पाठ -15	सूरदास के पद
पाठ-16	पानी की कहानी (रचनात्मक गतिविधि)
पाठ -17	बाज और साँप
पाठ -18	टोपी

व्याकरणआधारशिला

पाठ -6	समास
पाठ -8	लिंग
1पाठ -9	वचन
पाठ -10	कारक
पाठ -13	क्रिया
पाठ -14	काल
पाठ -15	शब्द तथा वाक्य सम्बन्धी अशुद्धि संशोधन
पाठ -16	सम्बन्धबोधक
पाठ -17	समुच्चयबोधक
पाठ -18	विस्मयादिबोधक ,निपात
पाठ -19	पदपरिचय
पाठ -22	वाच्य

रचनात्मक अभिव्यक्ति	अनुच्छेद, पत्र, अपठित गद्यांश, अपठित पद्यांश
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Mathematics

Teaching Objectives:

- Generalise properties of addition, subtraction, multiplication and division of rational numbers.
- Find squares, cubes and square roots and cube roots of numbers using different methods.
- Solve problems with integral exponents.
- Use various algebraic identities in solving problems of daily life.
- Apply the concept of per cent in profit and loss situation in finding discount, VAT and compound interest, for example, calculates discount per cent when marked price and actual discount are given or finds profit per cent when cost price and profit in a transaction are given.
- Solve problems based on direct and inverse proportions
- Solve problems related to angles of a quadrilateral using angle sum property.
- Verify properties of parallelograms and establishes the relationship between them through reasoning.
- Find surface area and volume of cuboidal and cylindrical object.
- Draw and interpret bar charts and pie charts.
- Make hypotheses on chances of future events on the basis of its earlier occurrences or available data like, after repeated throws of dice and coins

Prescribed Book N.C.E.R.T Mathematics

Publisher N.C.E.R.T

SYLLABUS FOR ACADEMIC SESSION (2020-21)

TERM-1

PERIODIC TEST-I

Chapter-1	Rational Numbers
Chapter-2	Linear Equations in One Variable
Chapter-3	Understanding Quadrilaterals

HALF- YEARLY EXAMINATION

Chapter-2	Linear Equations in One Variable
Chapter-3	Understanding Quadrilaterals
Chapter-4	Practical Geometry
Chapter-5	Data Handling
Chapter-6	Squares and Square Roots
Chapter-7	Cubes and Cube Roots
Chapter-8	Comparing Quantities.

TERM-II

PERIODIC TEST-III

Chapter-9	Algebraic Expressions and Identities
Chapter -11	Mensuration

ANNUAL EXAMINATION

Chapter-10	Visualising Solid Shapes
Chapter-11	Mensuration
Chapter-12	Exponents and Powers
Chapter-13	Direct and Inverse Proportions
Chapter-14	Factorisation
Chapter-15	Introduction to Graphs
Chapter -16	Playing with Numbers

SCIENCE

Teaching Objectives:

The objectives of the teaching and study of sciences are to encourage and enable students to:

- differentiate materials and organisms, such as, natural and human-made fibres; contact and non-contact forces; liquids as electrical conductors and insulators; plant and animal cells; viviparous and oviparous animals, on the basis of their properties, structure and functions.
- classify materials and organisms based on properties/characteristics, e.g., metals and non-metals; kharif and rabi crops; useful and harmful microorganisms; sexual and asexual reproduction; celestial objects; exhaustible and inexhaustible natural resources, etc.
- conduct simple investigations to seek answers to queries, e.g., What are the conditions required for combustion? Why do we add salt and sugar in pickles and murabbas? Do liquids exert equal pressure at the same depth?
- relate processes and phenomenon with causes, e.g., smog formation with the presence of pollutants in air; deterioration of monuments with acid rain, etc.
- explain processes and phenomenon, e.g., reproduction in human and animals; production and propagation of sound; chemical effects of electric current; formation of multiple images; structure of flame, etc.
- write word equations for chemical reactions, e.g., reactions of metals and non-metals with air, water, and acids, etc.
- measure angles of incidence and reflection, etc.
- prepare slides of microorganisms; onion peel, human cheek cells, etc. and describes their microscopic features.
- draw labelled diagram/flow charts, e.g., structure of cell, eye, human reproductive organs; experimental set ups, etc.
- construct models using materials from surroundings and explains their working, e.g., ektara, electroscope, fire extinguisher, etc.
- apply learning of scientific concepts in day-to-day life, e.g., purifying water; segregating biodegradable and non-biodegradable wastes; increasing crop production; using appropriate metals and non-metals for various purposes; increasing/reducing friction; challenging myths and taboos regarding adolescence, etc.
- discuss and appreciate stories of scientific discoveries.
- make efforts to protect environment, e.g., using resources judiciously ;making controlled use of fertilizers and pesticides; suggesting ways to cope with environmental hazards, etc.
- exhibit creativity in designing, planning, making use of available resources, etc.

•exhibit values of honesty, objectivity, cooperation, freedom from fear and prejudices.

Prescribed Book- NCERT Science

Publisher- NCERT

SYLLABUS FOR ACADEMIC SESSION (20-21)

TERM I

Total Chapters: 09

Chapter 1	Crop production and improvement
Chapter 2	Microorganisms – Friends and Foe
Chapter 3	Synthetic fibres and plastics
Chapter 11	Force and Pressure
Chapter 4	Materials – Metals and Non - Metals
Chapter 5	Coal and Petroleum
Chapter 6	Combustion and Flame
Chapter 7	Conservation of Plants and Animals
Chapter 16	Light

PERIODIC TEST -I

Chapter 1	Crop production and improvement
Chapter 2	Microorganisms – Friends and Foe

HALF YEARLY EXAM

Chapter 2	Microorganisms – Friends and Foe
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Chapter 3	Synthetic fibres and plastics
Chapter 11	Force and Pressure
Chapter 4	Materials – Metals and Non - Metals
Chapter 5	Coal and Petroleum
Chapter 6	Combustion and Flame
Chapter 7	Conservation of Plants and Animals
Chapter 16	Light

TERM II

Total Chapters: 09

Chapter 8	Cell structure and Function
Chapter 9	Reproduction in Animals
Chapter 10	Reaching the age of adolescence
Chapter 12	Friction
Chapter 13	Sound
Chapter 14	Chemical effects of electric current
Chapter 15	Some Natural Phenomena
Chapter 17	Stars and Solar System
Chapter 18	Pollution of air and water

PERIODIC TEST- III

Chapter 8	Cell structure and Function
Chapter 12	Friction
Chapter 14	Chemical effects of electric current

ANNUAL EXAMINATION

Chapter 8	Cell structure and Function
Chapter 9	Reproduction in Animals
Chapter 10	Reaching the age of adolescence
Chapter 13	Sound
Chapter 14	Chemical effects of electric current
Chapter 15	Some Natural Phenomena
Chapter 17	Stars and Solar System
Chapter 18	Pollution of air and water

SOCIAL SCIENCE

Teaching Objectives:

- To acquaint the children with their past and present geographical and social environment.
- To build social competence and an intelligent democratic citizenship.
- To help the children acquire right knowledge and understand the various methods required for a proper competence which he will need in the interaction with his social environment.
- To provide a pattern of experience and study which will serve as a foundation for specialization later.

- To develop a feeling in children to respect all the religions as well as make them understand the need for Equality in all aspects.
- To understand the nature of India, as well as the historical phases through which the present society in the country has evolved.
- To help children make generalizations with the geographical concepts and understanding the values in evaluating and reaching about the world problems.
- To develop an intelligent understanding of the structure and working of the civic and the political institutions of India.

Prescribed Books:

Geography: Resource and Development

Civics: Social and Political life- III

History: Our Pasts- III (Part- I & II)

Publisher: NCERT

SYLLABUS- ACADEMIC SESSION (2020-21)

Term-I

Total Chapters: 15

Periodic Test – I

Geography

Chapter -1	Resources
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Civics

Chapter -1	The Indian Constitution
Chapter-2	Understanding Secularism

History

Chapter -1	How, When and Where
Chapter -2	From Trade to Territory

Half- yearly examination**Geography**

Chapter-2	Land, Soil, Water, Natural Vegetation & Wildlife Resources
Chapter -3	Mineral and Power Resources

Civics

Chapter -3	Why do we need a Parliament?
Chapter -4	Understanding Laws
Chapter-5	Judiciary
Chapter -6	Understanding Our Criminal Justice System

History

Chapter-3	Ruling the Countryside
Chapter -4	Tribal, Dikus and the Vision of a Golden Age
Chapter-5	When People Rebel
Chapter -6	Colonialism and the City

Term-II**Total Chapters: 13****Periodic Test-III****Geography**

Chapter-4	Agriculture
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Civics

Chapter -7	Understanding Marginalization
Chapter -8	Confronting Marginalization

History

Chapter -7	Weavers, Iron Smelters and Factory Owners
Chapter -8	Civilizing the “Native”, Educating the Nation

Annual examination

Geography

Chapter-5	Industries
Chapter-6	Human Resources

Civics

Chapter -9	Public Facilities
Chapter-10	Law and Social Justice

History

Chapter -9	Women, Caste and Reform
Chapter -10	The Changing World of Visual Arts
Chapter -11	The Making of the National Movement: 1870s-1947
Chapter -12	India after Independence

COMPUTER

Teaching objectives:

The main objectives of computer education are as follows-

- Computer education also helps the student to explore the new medium of education like the internet which provide illustrative and engrossing study material.
- As they know programming basic they can learn advance programming by now. Programming skills should be inculcated in the students by this level.
- An emphasis in computer education will also be on the development of attitudes, knowledge, and skills for entrepreneurship and self-employment.
- Students should be able to identify the terminology and functions common to most database management systems. They should be able to create and manage databases in software like MS-Access.
- Students should be able to perform basic formatting and editing in video and image editing software like- Movie maker, Photoshop etc.
- To give opportunities for professional growth, career improvement and lateral entry into courses of general, technical and professional education.

Prescribed Book - Cyber beans

Publisher- KIPS learning solution Pvt. Ltd.

Syllabus for academic session (2020-21)

Term- I

Periodic test I

Theory

Chapter Number	Chapter Name
Chapter 10	Images, Links & frames in HTML5

Half Yearly Examination

Theory

Chapter Number	Chapter Name
Chapter 1	Networking Concepts
Chapter 3	Working with Ms Access 2010
Chapter 4	Working with Queries (Activity)

Practical- HTML webpage creation

Term- II

Periodic test II

Theory

Chapter Number	Chapter Name
Chapter 2	Windows Movie maker (Activity)
Chapter 5	Adobe Photoshop CC (Activity)
Chapter 6	More on Photoshop CC (Activity)

Annual Examination:

Theory-

Chapter Number	Chapter Name
Chapter 7	Review Python
Chapter 8	Iterative statements in Python (Activity)
Chapter 9	App Development

Practical- Iterative statements in python programming

संस्कृत

शिक्षण के उद्देश्य

- * संस्कृत पढ़ाने का मुख्य उद्देश्य बच्चों को संस्कृत भाषा से अवगत करवाना है।
- * अपनी संस्कृति से अवगत करवाना है।
- * बच्चों को यह समझना है कि संस्कृत अनेक भाषाओं की जननी है।
- * एक नई भाषा का विकास करना है।
- * छात्रों की पठन कला का विकास करना।
- * उन्हें व्याकरण का ज्ञान देना जिससे वे भाषा के शुद्ध रूप का प्रयोग कर सकें।

पाठ्य पुस्तकें - : 1 बाल संस्कृत कणिका (भाग - 3),

2 मणिका संस्कृत व्याकरण (भाग-3)

प्रकाशक - 1 गोयल ब्रदर प्रकाशन

2 न्यू सरस्वती हाउस

शिक्षण सत्र २०२०-२१ का पठ्यक्रम

सामयिक परीक्षा - 1

बाल संस्कृत कणिका (भाग - 3)

पाठ -1	वन्दे मातरं
पाठ -2	मधुराः श्लोकाः
पाठ -3	अस्माकं पितरौ

पाठ -4	मातृ - भक्तः श्वेत गजः (रचनात्मक गतिविधि)
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मणिका संस्कृत व्याकरण (भाग-3)

पाठ -1	कारक उपपद विभक्तयः
पाठ -2	शब्द रूप - देव ,मुनि ,साधु
पाठ -3	धातु रूप – लोट्- पठ,गम्,नम्,भू
पाठ -4	संधि

अर्धवार्षिक परीक्षा

बाल संस्कृत कणिका (भाग – 3)

पाठ -5	मैत्री
पाठ -6	दुग्धकूपः
पाठ -7	अमृत बिन्दवः
पाठ -8	चतुरः वानरः (रचनात्मक गतिविधि)

मणिका संस्कृत व्याकरण (भाग-3)

पाठ -1	कारक उपपद विभक्तयः
पाठ -2	शब्द रूप - देव ,मुनि ,साधु
पाठ -3	धातु रूप – लोट्- पठ,गम्,नम्,भू
पाठ -4	संधि
पाठ -6	पर्यायाः (1-20), विपर्यायाः(1-15)
पाठ -7	अव्ययाः
पाठ -12	अशुद्धिशोधनं
पाठ -13	पत्रलेखनं
पाठ -14	वार्तालापः

पाठ -15	चित्रवर्णनम्
पाठ -16	गद्यांशाः

सामयिक परीक्षा -3

बाल संस्कृत कणिका (भाग - 3)

पाठ -9	अस्माकं प्रेरणस्रोतं (रचनात्मक गतिविधि)
पाठ -10	के बुद्धिमत्तमाः ?
पाठ -11	प्रिया पुत्री
पाठ -12	एकाकी वृक्षः

मणिका संस्कृत व्याकरण (भाग-3)

पाठ -2	शब्द रूप - इदं तीनो लिङ्गो मे
पाठ -3	धातु रूप - विधिलिङ्ग लकार- पठ,गम्,नम्,भू,अस्
पाठ -6	पर्यायाः (21-40), विपर्ययाः(11-20)
पाठ -5	समासः

वार्षिक परीक्षा

बाल संस्कृत कणिका (भाग - 3)

पाठ -13	अमृत श्लोकः
पाठ -14	दृढनिश्चयेन सर्वाः बाधाः दुरीभवन्ति
पाठ -15	कविता कदा स्फूर्ति ?
पाठ -16	सूक्ति - सुमनानि

मणिका संस्कृत व्याकरण (भाग-3)

पाठ -2	शब्द रूप - इदं तीनो लिङ्गो मे
पाठ -3	धातु रूप -लट्,लृट्, लङ्ग और विधिलिङ्ग लकार- पठ,गम्,नम्,भू,अस्

पाठ -5	समासः
पाठ -6	पर्यायाः (41-60), विपर्ययाः(21-30)
पाठ -9	वाच्य- परिवर्तनम्
पाठ -10	समयः
पाठ -11	संख्या- ज्ञानं
पाठ -12	अशुद्धिशोधनं
पाठ -13	पत्रलेखनं
पाठ -14	वार्तालापः
पाठ -15	चित्रवर्णनम्
पाठ -16	गद्यांशाः