

ST. THOMAS SCHOOL, LONI
CURRICULUM
CLASS-VII

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: WOW! English

Publisher: Eupheus Learning

SYLLABUS FOR ACADEMIC SESSION (2020-21)

TERM 1

PT I

Course Book WOW English - Eupheus Learning	Unit 1- Hope 2-Secrets
Tsonga n pansy	Types of Sentences, Determiners, Synonyms- Antonyms
Writing	Notice Writing

Half Yearly

Course Book WOW English -	Unit 1- Hope 2-Secrets 3-Friendship 4-Travel (Activity)
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Eupheus Learning	5-Inspiring People
Tsonga n pansy	Tenses, Active Passive, Figures of Speech (Simile and Metaphor), Types of Sentences, Determiners, Synonyms- Antonyms
Writing	Notice Writing, Formal Letter, Diary Entry

TERM II

PT III

Course Book WOW English - Eupheus Learning	Unit 6- Myths and Legends 7- Care and Concern
Tsonga n pansy	Degrees of Comparison , Idioms and Proverbs
Writing	Message Writing

Finals

Course Book WOW English - Eupheus Learning	Unit 6- Myths and Legends(Activity) 7- Care and Concern 8-Science Adventure 9-Humour 10-Lasting Literature
Tsonga n pansy	Homonyms- Homophones, Reported Speech ,Phrasal verbs, Modals, Figures of Speech (Alliteration, Hyperbole and Alliteration), Degrees of Comparison , Idioms and Proverbs
Writing	Message Writing, Informal Letter, Story Writing

HINDI

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।
- **पाठ्यपुस्तकें-**
 1. वसंत भाग 2
 2. आधारशिला
 2. प्रकाशक – NCERT (वसंत)

शिक्षण सत्र २०२०-२१ का पाठ्यक्रम

सामयिकपरीक्षा ।	
पाठ्यपुस्तक : वसंतभाग -२	
पाठ -1	हम पंछी उन्मुक्त गगन के
पाठ -2	दादी माँ
पाठ-3	हिमालय की बेटियाँ (रचनात्मक गतिविधि)
पाठ -4	कठपुतली
व्याकरण : आधारशिला	
पाठ-1	संधि
पाठ-2	पर्यायवाची ,विलोम ,अनेकार्थक
पाठ -4	संज्ञा ,लिंग, वचन , कारक,सर्वनाम

अर्धवार्षिकपरीक्षा	
पाठ्यपुस्तक : वसंतभाग -२	
पाठ -1	हम पंछी उन्मुक्त गगन के

पाठ -2	दादी माँ
पाठ-3	हिमालय की बेटियाँ
पाठ -4	कठपुतली
पाठ -5	मिठाईवाला
पाठ -6	रक्त और हमारा शरीर (रचनात्मक गतिविधि)
पाठ -7	पापा खो गए
पाठ-8	शाम एक किसान
व्याकरण : आधारशिला	
पाठ-1	संधि
पाठ-2	शब्दविचार , शब्द रचना पर्यायवाची , विलोम , अनेकार्थक, श्रुतिसमभिन्नार्थक, वाक्यांशों के लिए एक शब्द
पाठ -4	संज्ञा ,लिंग, वचन , कारक,सर्वनाम. काल
पाठ - 6	मुहावरे,शुद्ध-अशुद्ध
रचनात्मकअभिव्यक्ति	अनुच्छेद लेखन ,पत्र ,पठित वअपठित गद्यांश

सामयिकपरीक्षा -III	
पाठ्यपुस्तक : पावनी	
पाठ -9	चिड़िया की बच्ची
पाठ -10	अपूर्व अनुभव
पाठ -11	रहीम के दोहे (अर्थबोध गतिविधि)
पाठ -12	कंचा
पाठ-13	एकतिनका
पाठ -14	खानपान की बदलती तस्वीर (रचनात्मक गतिविधि)

पाठ -15	नीलकंठ
व्याकरण : आधारशिला	
पाठ -3	शब्द रचना प्रक्रिया:
	उपसर्ग , प्रत्यय ,विशेषण
पाठ -5	क्रियाविशेषण, संबंधबोधक, समुच्यबोधक, विस्मयादिबोधक

वार्षिकपरीक्षा	
पाठ्यपुस्तक : वसंतभाग -२	
पाठ-12	कंचा
पाठ-13	एकतिनका
पाठ - 15	नीलकंठ
पाठ- 16	भोर और बरखा
पाठ- 17	वीर कुंवर सिंह
पाठ -18	संघर्ष के कारण मैं तुनकमिज़ाज हो गया (रचनात्मक गतिविधि)
पाठ- 19	आश्रम का अनुमानित व्यय
पाठ- 20	विप्लवगायन
व्याकरण : आधारशिला	
पाठ -3	उपसर्ग ,प्रत्यय, समास
पाठ -4	कारक ,सर्वनाम ,विशेषण ,क्रिया,काल
पाठ -5	क्रियाविशेषण , संबंधबोधक, समुच्यबोधक, विस्मयादिबोधक
पाठ - 6	मुहावरे,शुद्ध –अशुद्ध
रचनात्मकअभिव्यक्ति	अनुच्छेद,पत्र , अपठितगद्यांश,अपठितपद्यांश

MATHEMATICS

Teaching Objectives-

- Interpret the division and multiplication of fractions and decimals.
- Use exponential form of numbers to simplify problems involving multiplication and division of large numbers.
- Represent daily life situations in the form of a simple equation and solve it.
- Adds/subtract algebraic expressions.
- Solve problems related to conversion of percentage to fraction and decimal and vice-versa.
- Calculate profit/loss per cent and rate per cent in simple interest.
- Classify pairs of angles based on their properties as linear, supplementary, complementary, adjacent and vertically opposite and finds value of the one when the other is given.
- Verify the properties of various pairs of angles formed when a transversal cuts two lines.
- Find unknown angle of a triangle when its two angles are known.
- Explain congruency of triangles, on the basis of the information given about them like (SSS, SAS, ASA, and RHS).
- Find various representative values for simple data from daily life contexts like mean, median and mode.
- Interpret data using bar graph, such as consumption of electricity is more in winters than summer, runs scored by a team in first 10 overs, etc.

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

Publisher -N.C.E.R.T

SYLLABUS FOR ACADEMIC SESSISON (2020-21)

TERM-I

PERIODIC TEST-I

Chapter-1	Integers
Chapter-5	Lines and Angles

HALF- YEARLY EXAMINATION

Chapter-2	Fractions and Decimals
Chapter-3	Data Handling
Chapter-5	Lines and Angles
Chapter-6	Triangle and its Properties

Chapter-7	Congruence of Triangles
Chapter-9	Rational numbers
Chapter-14	Symmetry

TERM-II

PERIODIC TEST-III

Chapter 4	Simple equations
Chapter 12	Algebraic Expressions
Chapter -15	Visualising Solid shapes

ANNUAL EXAMINATION

Chapter8	Comparing Quantities
Chapter9	Rational Numbers
Chapter10	Practical Geometry
Chapter11	Perimeter and Area
Chapter12	Algebraic Expressions
Chapter13	Exponents and Powers
Chapter 15	Visualising Solid Shapes

SCIENCE

Teaching Objectives-

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

- identify materials and organisms, such as, animal fibres; types of teeth; mirrors and lenses, on the basis of observable features, i.e., appearance, texture, functions, etc.
- differentiate materials and organisms such as, digestion in different organisms; unisexual and bisexual flowers; conductors and insulators of heat; acidic, basic and neutral substances; images formed by mirrors and lenses, etc., on the basis of their properties, structure, and function.
- classify materials and organisms based on properties/characteristics, e.g., plant and animal fibres; physical and chemical changes.

- conduct simple investigations to seek answers to queries, e.g., Can extract of coloured flowers be used as acid-base indicator? Do leaves other than green also carry out photosynthesis? Is white light composed of many colours?
- relate processes and phenomenon with causes, e.g., wind speed with air pressure; crops grown with types of soil; depletion of water table with human activities, etc.
- explain processes and phenomenon, e.g., processing of animal fibres; modes of transfer of heat; organs and systems in human and plants; heating and magnetic effects of electric current, etc.
- write word equation for chemical reactions, e.g., acid-base reactions; corrosion; photosynthesis; respiration, etc. • measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.
- draw labelled diagrams/flow charts e.g., organ systems in humans and plants; electric circuits; experimental set ups; lifecycle of silk moth, etc.
- plot and interprets graphs e.g., distance-time graph.
- construct models using materials from surroundings and explains their working, e.g., stethoscope; anemometer; electromagnets; Newton's colour disc, etc.
- discuss and appreciates stories of scientific discoveries.
- apply learning of scientific concepts in day-to-day life, e.g., dealing with acidity; testing and treating soil; taking measures to prevent corrosion; cultivation by vegetative propagation; connecting two or more electric cells in proper order in devices; taking measures during and after disasters; suggesting methods for treatment of polluted water for reuse, 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	Nutrition In Plants
Chapter-2	Nutrition In Animals
Chapter-3	Fiber To Fabric
Chapter-5	Acid, Bases And Salts
Chapter-6	Physical And Chemical Changes
Chapter-13	Motion And Time

Chapter-14	Electric Current and Its Effect
Chapter-16	Water- A Precious Resource
Chapter-17	Forests : Our Lifeline

PERIODIC TEST-I

Chapter-1	Nutrition In Plants
Chapter-2	Nutrition In Animals

HALF YEARLY EXAM

Chapter-2	Nutrition In Animals
Chapter-3	Fiber To Fabric
Chapter-5	Acid, Bases And Salts
Chapter-6	Physical And Chemical Changes
Chapter-13	Motion And Time
Chapter-14	Electric Current and Its Effect
Chapter-16	Water- A Precious Resource
Chapter-17	Forests : Our Lifeline

TERM-II

Total Chapters: 09

Chapter-4	Heat
Chapter-7	Weather, Climate And Adaptations Of Animals To Climate
Chapter-8	Winds, Storms And Cyclones
Chapter-9	Soil
Chapter-10	Respiration In Organisms
Chapter-11	Transportation In Animals And Plants
Chapter-12	Reproduction In Plants
Chapter-15	Light
Chapter-18	Waste Water Story

PERIODIC TEST-III

Chapter-10	Respiration In Organisms
Chapter-15	Light

ANNUAL EXAM

Chapter-4	Heat
Chapter-7	Weather, Climate And Adaptations Of Animals To Climate
Chapter-8	Winds, Storms And Cyclones
Chapter-9	Soil
Chapter-11	Transportation In Animals And Plants
Chapter-12	Reproduction In Plants
Chapter-15	Light
Chapter-18	Waste Water Story

SOCIAL SCIENCE

Teaching Objectives:

- To promote an understanding of the processes of change and development through which the human societies have evolved to their present stage of development.
- To develop an appreciation of the contributions made by various cultures to the total heritage of the mankind.
- To build intelligent democratic citizenship.
- To help the children gain an insight into spiritual and political values as forces in human behavior and human relationships.
- To promote the understanding of all historical changes as a process of human experience and development.
- To understand about the rich and composite culture of the country and the contribution of various people of different faith, religions and linguistic groups.
- To develop an appreciation of interdependence of various geographical regions.
- To help students realize and analyze the ways of the life of the people around in the world, in the light of their varying problems in the environment, and the different stages of social and technological development.

Prescribed Books:

Geography: Our Environment

Civics: Social and Political life- II

History: Our Pasts- II

Publisher: NCERT

SYLLABUS FOR ACADEMIC SESSION (2020-21)

Term-I

Total Chapters: 15

Periodic Test – I

Civics

Chapter-1	Equality in Indian Democracy
Chapter-4	Growing Up as Boys and Girls (Activity Based)
Chapter-5	Women Change the World (Activity Based)

Geography

Chapter -1	Environment
Chapter -2	Inside Our Earth

History

Chapter -2	New Kings and Kingdoms
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Half- yearly examination

Civics

Chapter -2	Role of Government in Health
Chapter -3	How the State Government Works

Geography

Chapter -3	Our Changing Earth
Chapter -4	Air
Chapter -5	Water

History

Chapter -3	The Delhi Sultans
Chapter-4	The Mughal Empire
Chapter -5	Rulers and Buildings (Activity Based)
Chapter -6	Towns, Traders and Craftsmen (Activity Based)

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

Chapter-8	Markets Around Us
Chapter-9	A Shirt in the Market (Activity Based)

Geography

Chapter -6	Natural Vegetation and Wildlife
Chapter-10	Life in Deserts (Activity Based)

History

Chapter -7	Tribes, Nomads and Settled Communities
Chapter -8	Devotional Paths to the Divine

Annual examination**Civics**

Chapter-6	Understanding Media
Chapter-7	Understanding Advertising

Geography

Chapter -7	Human Environment (Settlement, Transport and Communication) [Activity Based]
Chapter -8	Human Environment- Interactions (Tropical and Sub-tropical Regions)
Chapter -9	Life in Temperate Grasslands

History

Chapter -9	The Making of Regional Cultures
Chapter -10	Eighteenth Century Political Formations

COMPUTER

Teaching Objectives-

The main objectives of computer education are as follows-

- helps the student to explore the new medium of education like the internet which provide illustrative and engrossing study material.
- should know to perform calculations and manipulations on data in an organized way using spread sheet software like MS-Excel.
- should also learn about the advance features of MS-Excel like formula, functions, charts etc. to perform mathematical and statistical calculations easily.
- learning animations they can become imaginative and expressive. Software like Animate CC
- programming basic should be inculcated in the students from this level.
- emphasis on computer education will also be on the development of attitudes, knowledge, and skills for entrepreneurship and self-employment.
- 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 1	Number system
Chapter 2	Formula & functions

Half Yearly Examination

Theory

Chapter Number	Chapter Name
Chapter 3	Advance features of Excel
Chapter 4	Log on to animate CC (Activity)
Chapter 5	Working with layers (Activity)

Practical-Using formulas in Microsoft Excel

Term- II

Periodic test II

Theory

Chapter Number	Chapter Name
Chapter 6	Introduction to python
Chapter 7	More on python (Activity)

Annual Examination

Theory-

Chapter Number	Chapter Name
Chapter 8	More on CSS3
Chapter 9	Using lists and tables in HTML5
Chapter 10	Cyber safety

Practical- Creating webpages using HTML 5 and CSS3

SANSKRIT

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 - 2),
2 मणिका संस्कृत व्याकरण (भाग-2)

प्रकाशक - 1 गोयल ब्रदर प्रकाशन
2 न्यू सरस्वती हाउस

शिक्षण सत्र २०२०-२१ का पठ्यक्रम

सामयिक परीक्षा - 1

बाल संस्कृत कणिका (भाग - 2)

पाठ -1	वृक्षारोपणं
पाठ -2	सफलाः भविष्यामः
पाठ -3	सूर्योदयः (रचनात्मक गतिविधि)
पाठ -4	मम भगिनी मानसी

मणिका संस्कृत व्याकरण (भाग-2)

पाठ -1	उच्चरणस्थानानि
पाठ -2	वर्ण विन्यासः संयोगः च
पाठ -4	शब्द रूप -पुल्लिंग -देव ,बालक , स्त्रीलिंग - लता रमा
पाठ -5	धातु रूप -लट् और लृट् लकार- पठ,गम्,नम्,भू,अस्

अर्धवार्षिक परीक्षा

बाल संस्कृत कणिका (भाग - 2)

पाठ -5	पश्य कः आगतः ?
पाठ -6	अमृतबिन्दवः (रचनात्मक गतिविधि)
पाठ -7	षष्ठी-पूर्ति-उत्सवः
पाठ -8	त्वं कदा किं करोषि ?

मणिका संस्कृत व्याकरण (भाग-2)

पाठ -2	वर्ण विन्यासः संयोगः च
पाठ -3	संधिः
पाठ -4	शब्द रूप -पुल्लिंग -देव ,बालक , स्त्रीलिंग -लता रमा
पाठ -5	धातु रूप -लट् और लृट् लकार- पठ,गम्,नम्,भू ,अस्
पाठ -6	पर्यायाः (1-20), विपर्ययाः(1-10)
पाठ -8	संख्या
पाठ -10	प्रत्ययाः (कृत्वा ,तुमुन्)
पाठ -12	पत्रलेखनम्
पाठ -15	गद्यांशाः

सामयिक परीक्षा -3

बाल संस्कृत कणिका (भाग - 2)

पाठ -9	कः श्रेष्ठः ?
पाठ -10	सुदासः
पाठ -11	मातृभूमये नमः
पाठ -12	मधुराः श्लोकाः

मणिका संस्कृत व्याकरण (भाग-2)

पाठ -8	संख्या
पाठ -9	कारकाः उपपद विभक्त्याः च
पाठ -4	शब्द रूप - तत् तीनों लिंगों में
पाठ -5	धातु रूप -लट्,लृट् और लोट् लकार- पठ,गम्,नम्,भू,अस्

वार्षिक परीक्षा

बाल संस्कृत कणिका (भाग – 2)

पाठ -13	बुद्धेः बलं
पाठ -14	राजा भोजस्य राज्यसभा
पाठ -15	नगरस्य नद्याः च वेदना
पाठ -16	सूक्तयः

मणिका संस्कृत व्याकरण (भाग-2)

पाठ -4	शब्द रूप - तत् तीनों लिंगों में, अस्मद्, युष्मद्
पाठ -5	धातु रूप - लट्, लृट्, लोट् और लङ् लकार- पठ, गम्, नम्, भू, अस्
पाठ -7	समयलेखनं
पाठ -10	प्रत्ययाः (कृत्वा ,तुमुन्)
पाठ -11	अशुद्धिशोधनं
पाठ -12	पत्रलेखनम्
पाठ -13	वार्तालापः
पाठ -14	चित्रवर्णनम्

FRENCH

Teaching Objectives-

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

- Communicate effectively in French using the listening, speaking, viewing, reading, and writing modes (communication)
- Demonstrate a better understanding of their own and others' cultural heritage and identity with particular emphasis on "French-speaking communities" (citizenship)
- Respond to simple spoken statements and questions and respond to classroom commands (singular and plural).
- Spell in target language and pronounce words correctly
- Apply proper intonation in statements and questions
- Apply unit vocabulary through activities emphasizing oral communication

- Create a paragraph using correct grammar and appropriate vocabulary. Read and comprehend simple written text

Prescribed Book- APPRENON LE FRANCAIS- 2

Publisher- New Saraswati House

SYLLABUS FOR ACADEMIC SESSION (20-21)

TERM –I

Total Chapters- 05

Chapter 1	Un coup d’oeil sur la france
Chapter 2	Voila le frere et la soeur de manuel
Chapter 3	A la cafeteria
Chapter 4	Mon pays: la france
Chapter 5	Les parents de manuel

PERIODIC TEST- I

Chapter 1	Un coup d’oeil sur la france
Chapter 2	Voila frere et la soeur de manuel
Chapter 3	A la cafeteria

HALF YEARLY EXAMINATION

Chapter 4	Mon pays: la france
Chapter 5	Les parents de manuel

TERM – II

Total Chapters - 06

Chapter 6	C’est noel
Chapter 7	Allons a l’ecole
Chapter 8	Dans un grand magasin
Chapter 9	Les repas
Chapter 10	Ma maison
Chapter 11	Une lettre de rouen

PERIODIC TEST- II

Chapter 6	C’est noel
Chapter 7	Allons a l’ecole
Chapter 8	Dans un grand magasin

ANNUAL EXAMINATION

Chapter 9	Les repas
Chapter 10	Ma maison
Chapter 11	Une lettre de rouen