



BHARATHAMATHA HSS PALAKKAD



ACADEMIC MASTER PLAN 2025-26
SCHOOL CODE: 21052

Bharathamatha Higher Secondary School

Bharathamatha Higher Secondary School, situated at Chandranagar in Palakkad, is a renowned institution dedicated to the cause of education and character formation. Established in 1978 under the management of the Carmelite Fathers of the CMI Congregation, the school has steadily grown into a centre of academic excellence that blends knowledge with values.

Guided by its inspiring motto, “Wisdom and Service,” the institution strives to nurture students who are not only intellectually competent but also socially responsible. Offering education from the primary level up to the higher secondary stage with Science and Commerce streams, Bharathamatha HSS provides holistic development through dedicated teaching, modern facilities, and a culture of discipline and care.

Over the years, the school has produced generations of learners who continue to uphold its ideals and contribute meaningfully to society.

An **Academic Master Plan** is a strategic planning document that outlines how an educational institution (like a university, college, or school) will develop, organize, and deliver its academic programs over a set period of time.

It serves as a roadmap to align academic priorities with the institution's mission, resources, and future growth.

Key Components of an Academic Master Plan:

1. Mission & Vision Alignment – Ensures academic goals support the institution's broader mission.
2. Program Development – Identifies which academic programs to add, strengthen, consolidate, or phase out.
3. Enrollment Planning – Forecasts student demand, retention, and graduation trends.
4. Faculty & Staffing Needs – Plans for hiring, development, and workload balance.
5. Curriculum Design – Updates curriculum to meet industry needs, accreditation standards, and student success.
6. Space & Facilities Planning – Determines classroom, lab, library, and technology needs.
7. Budget & Resources – Links academic priorities with financial sustainability.
8. Assessment & Accountability – Defines metrics to measure student learning, program effectiveness, and progress.

Purpose:

Provide a long-term vision for academic growth.

Guide resource allocation (faculty, facilities, funding).

Ensure relevance of programs to workforce and societal needs.

Support student success and institutional competitiveness.

മലയാളം LP Section

സാധാരണ ലക്ഷ്യങ്ങൾ (Std 1-4)

കേൾവിയും സംസാരവും വായനയും എഴുത്തും വികസിപ്പിക്കുക.
മലയാളത്തിലെ കഥകളിലും കവിതകളിലും ഗീതങ്ങളിലും കുട്ടികളിൽ
താല്പര്യം സൃഷ്ടിക്കുക.

ശേഖരവും വളർത്തുക.

സഹായിക്കുക.

സൃഷ്ടിപരമായ പ്രവർത്തനങ്ങൾക്ക് പ്രോത്സാഹനം നൽകുക.

ക്ലാസ് അടിസ്ഥാനത്തിലുള്ള ലക്ഷ്യങ്ങൾ

ഒന്നാം ക്ലാസ്

ബാലഗീതങ്ങൾ, ലളിതവാക്കുകൾ, അഭിവാദ്യങ്ങൾ.

അക്ഷരപഠനം: സ്വരങ്ങൾ, വ്യഞ്ജനങ്ങൾ.

എഴുത്ത്: അക്ഷരങ്ങൾ, രണ്ടക്ഷര വാക്കുകൾ.

വായന: ചിത്രവായന, ചെറിയ വാക്കുകൾ.

പ്രവർത്തനങ്ങൾ: പാട്ടുകൾ, അക്ഷരചിത്രങ്ങൾ, കഥപറച്ചിൽ.

രണ്ടാം ക്ലാസ്

പുനഃ പരിശീലനം: അക്ഷരങ്ങൾ, ലളിതവാക്കുകൾ.

വായന: ചെറിയ വാചകങ്ങൾ, ചിത്രകഥകൾ, കവിതകൾ.

എഴുത്ത്: വാക്കുകളിൽ നിന്ന് വാചകത്തിലേക്ക്.

വ്യകരണം: വാക്കുകൾ, ക്രിയകൾ.

പ്രവർത്തനങ്ങൾ: സംഭാഷണം, കഥപുനരാവിഷ്കരണം.

മൂന്നാം ക്ലാസ്

വായന: ചെറിയ കഥകൾ, കവിതകൾ.

എഴുത്ത്: ചിത്രം കണ്ടു കുറിക്കുക, ചെറിയ ലേഖനം (3-4 വാചകങ്ങൾ).

വ്യകരണം: ഏകവചനം-ബഹുവചനം, ലിംഗം, കാലങ്ങൾ.

വാക്കുകൾ: പര്യായം, വിരുദ്ധം.

പ്രവർത്തനങ്ങൾ: കഥപറച്ചിൽ, കൂട്ടവായന, വാക്കുകളുമായി കളി.

നാലാം ക്ലാസ്

വായന: ദീർഘകഥകളും കവിതകളും.

എഴുത്ത്: ലേഖനം (5-6 വാചകങ്ങൾ), ലളിതമായ കത്ത്.

വ്യക്തത: നാമം, സർവ്വനാമം, വിശേഷണം, ക്രിയ, കാലങ്ങൾ.

സൂക്ഷ്മപ്രവർത്തനങ്ങൾ: ചൊല്ലുക, ചോദ്യോത്തരങ്ങൾ, കഥാരചന.

പ്രവർത്തനങ്ങൾ: ലളിതമായ വാദപ്രതിവാദം, നാടകം, പ്രോജക്ട്.

English – LP Section

DISCOURSES	LEARNING OUTCOME
Conversation	Construct dialogues
Thoughts writing	Express feelings
Describe the picture	Observation
Add more lines	Enhances Imagination
Story writing	Understanding the lesson& creativity
Word puzzle	Vocabulary
Rhyming words	Sounds & word making
Listening skill	Attentiveness and memorization
Comprehension	Read and understand
Picture story writing	Language development
Describing words	Adjectives
Collective nouns	Improve grammar
Past tense	Improve grammar
Story reading	Reading skill
Add more lines	Enhances imagination
Poster making	Creativity
Notice	Information
Riddles	Problem Solving

Environmental Studies – LP Section

Class 1: Introduction to Environment

1. *Theme:* "My Family and Me"

2. *Key Concepts:*

- Family members and their roles
- Home and surroundings
- Basic needs (food, water, shelter)
- Importance of cleanliness and hygiene

3. *Learning Outcomes:*

- Understand the importance of family and community
- Recognize basic needs and their fulfillment
- Develop habits of cleanliness and hygiene

Class 2: Exploring Nature

1. *Theme:* "Plants and Animals Around Us"

2. *Key Concepts:*

- Types of plants and their uses
- Different animals and their habitats
- Basic understanding of seasons and weather
- Importance of conservation

3. *Learning Outcomes:*

- Identify and classify different types of plants and animals
- Understand the concept of habitats and seasons
- Develop an appreciation for nature and conservation

Class 3: Understanding Ecosystems

1. *Theme:* "Our Environment and Ecosystems"

2. *Key Concepts:*

- Ecosystems and interdependence
- Food chains and food webs
- Adaptation and survival
- Human impact on the environment

3. *Learning Outcomes:*

- Understand the concept of ecosystems and interdependence
- Recognize the importance of adaptation and conservation
- Develop awareness of human impact on the environment

Class 4: India and its Environment

1. *Theme:* "India - Our Country"

2. *Key Concepts:*

- Geography and climate of India
- Cultural diversity and heritage
- Environmental issues and conservation efforts
- Role of individuals in protecting the environment

3. *Learning Outcomes:*

- Understand India's geography, climate, and cultural diversity
- Recognize environmental issues and conservation efforts
- Develop a sense of responsibility towards protecting the environment

Teaching Methodologies

1. *Hands-on Activities:* Experiments, projects, and field trips
2. *Storytelling and Role-playing:* Engaging students through narratives and interactive activities
3. *Multimedia Resources:* Using videos, images, and audio materials to enhance learning
4. *Assessment and Feedback:* Regular assessments and constructive feedback to track progress

Assessment Framework

1. *Formative Assessments:* Quizzes, class discussions, and projects
2. *Summative Assessments:* Unit tests and term exams
3. *Project-based Assessments:* Student projects and presentations

Mathematics LP Section

Class 1

Learning Objectives

- Develop number sense up to 100.
- Understand basic addition and subtraction.
- Recognize shapes, patterns, and simple measurements.

Major Topics

1. **Numbers & Counting** (0–100) Reading, writing, comparing, ordering numbers Number names Place value (ones and tens)
2. **Operations** Addition and subtraction within 20 Word problems Introduction to zero in operations
3. **Geometry** Basic 2D shapes (circle, square, triangle, rectangle) Patterns (color, size, number patterns)
4. **Measurement** Length (long/short), weight (heavy/light), time (days, weeks) Introduction to coins and currency notes
5. **Data Handling** Simple pictographs (likes/dislikes, fruits, objects)

Skills Developed

- Counting fluency, number recognition
- Problem-solving with real-life examples
- Spatial awareness and early data interpretation

Class 2

Learning Objectives

- Build fluency with numbers up to 1000.
- Strengthen addition and subtraction; introduce multiplication.
- Develop early concepts of money, time, and measurement.

Major Topics

1. **Numbers** (0–1000) Place value (ones, tens, hundreds)
Expanded form, comparison, ordering
2. **Operations** Addition and subtraction (with carry/borrow)
Multiplication (2–10 tables) Introduction to division (sharing equally)
3. **Geometry** 2D and 3D shapes Lines (straight, curved)
Symmetry (basic)
4. **Measurement** Length, mass, capacity (standard units) Time: reading clock (hour, half-hour, quarter) Money: addition and subtraction of amounts
5. **Data Handling** Tally marks Simple bar graphs

Skills Developed

- Strong number sense up to 1000

- Mental arithmetic skills
- Application of maths in daily life (time, money, shopping)

Class 3

Learning Objectives

- Mastery of four basic operations with larger numbers.
- Understanding of fractions and measurement in depth.
- Introduction to perimeter and area.

Major Topics

1. **Numbers** (up to 10,000) Place value (thousands) Roman numerals (I to L)
2. **Operations** Addition, subtraction (larger numbers)
Multiplication (tables up to 20) Division (2-digit divisor)
3. **Fractions** Proper fractions, like/unlike fractions Simple addition of fractions
4. **Geometry&Measurement** Perimeter of simple figures Area of rectangle and square Units of length, mass, capacity, and conversion Time: minutes, seconds, 24-hour clock, calendar Money: transactions, bills, word problems
5. **Data Handling** Bar graphs, pictographs with scale

Skills Developed

- Logical problem-solving
- Application of arithmetic in real situations
- Visual and spatial reasoning

Class 4

Learning Objectives

- Strengthen conceptual understanding of numbers up to 1,00,000.
- Develop advanced operation skills (long division, multi-digit multiplication).
- Explore fractions, decimals, and geometry in detail.

Major Topics

1. **Numbers** (up to 1,00,000) Place value, Indian & International number system Roman numerals (I–C)
2. **Operations** Addition, subtraction, multiplication, long division Word problems involving all four operations
3. **Fractions&Decimals** Equivalent fractions, comparison, addition & subtraction Introduction to decimals (tenths, hundredths)

4. **Geometry&Measurement** Perimeter & area (square, rectangle, triangle) Volume & capacity (cubes, cuboids)
Angles (right, acute, obtuse) Symmetry & patterns
5. **Time&Money** Conversion of time units Transactions with bills, banking basics
6. **Data Handling** Reading and drawing bar graphs, pictographs, simple tables

Skills Developed

- Analytical thinking and reasoning
- Real-world application (money, time, measurement)
- Preparation for upper primary mathematics

Progression Highlights (Class 1 → 4)

- **Numbers:** 0–100 → 1000 → 10,000 → 1,00,000
- **Operations:** Basic +/– → Introduction $\times \div$ → Mastery of $\times \div$
→ Complex word problems
- **Geometry:** Shapes → 2D & 3D → Perimeter/Area → Angles, Volume
- **Measurement:** Informal → Standard units → Conversion → Advanced use

- **Data Handling:** Pictographs → Tally marks & bar graphs → Scaled graphs → Advanced interpretation

മലയാളം- യു പി വിഭാഗം പൊതുവായ ലക്ഷ്യങ്ങൾ

- കേൾവി,സംസാരം, വായന എഴുത്ത് എന്നീ നാല് ഭാഷാ കഴിവുകൾ വളർത്തുക.
- വ്യാകരണം, പദസമ്പത്ത് ശക്തിപ്പെടുത്തുക.
- മലയാളത്തിലെ കവിത, കഥ, ലേഖനം എന്നിവയോടുള്ള ഇഷ്ടം വളർത്തുക.
- സൃഷ്ടിപരമായ എഴുത്ത് (കഥ, കവിത, കത്ത്, ലേഖനം) പ്രോത്സാഹിപ്പിക്കുക.
- സംഭാഷണം, നാടകം, ചർച്ച തുടങ്ങിയ പ്രവർത്തനങ്ങൾ സംഘടിപ്പിക്കുക.

ജൂൺ - ജൂലൈ

ക്ലാസ് 5: ലളിതമായ കവിതകൾ, ചെറിയ കഥകൾ, അടിസ്ഥാന വ്യാകരണം (നാമം, സർവ്വനാമം, ക്രിയ).

ക്ലാസ് 6: കഥകൾ, കഥാപാത്ര വിവരണം, വിശേഷണം & ക്രിയാവിശേഷണം.

ക്ലാസ് 7: ഗദ്യ വായന, കവിതാസ്വാദനം, വാക്യഘടന.

പ്രവർത്തനങ്ങൾ: വായിച്ചു കേൾപ്പിക്കൽ, കഥ പറയൽ, പദകേളി, പദസഞ്ചയം.

ആഗസ്റ്റ്

ക്ലാസ് 5: വായനാവബോധം, ചിത്രത്തെ അടിസ്ഥാനമാക്കി എഴുത്ത്.

ക്ലാസ് 6: ഖണ്ഡിക എഴുത്ത്, സംഭാഷണം

ക്ലാസ് 7. ചുരുക്കെഴുത്ത്,ലേഖനം,കത്തുകൾ

പ്രവർത്തനങ്ങൾ: കൂട്ടവായന, നാടകരൂപം, കവിതാലാപനം

സെപ്റ്റംബർ

ക്ലാസ് 5: വ്യാകരണം - കാലങ്ങൾ (ഭൂതകാലം, വർത്തമാനകാലം, ഭാവികാലം).

ക്ലാസ് 6: ചൊല്ലുകൾ, പരിഭാഷകൾ, പദസമ്പത്ത് വികസനം.

ക്ലാസ് 7: സങ്കീർണ്ണവാക്യങ്ങൾ, പര്യായപദങ്ങൾ, വിപരീത പദങ്ങൾ.

മൂല്യനിർണ്ണയം: പരീക്ഷ, വായനാശേഷി, കൈയെഴുത്ത് പരിശോധന.

ഒക്ടോബർ

ക്ലാസ് 5: കവിത പഠനം, ചോദ്യോത്തരങ്ങൾ.

ക്ലാസ് 6: ചിത്രത്തെ അടിസ്ഥാനമാക്കി കഥ എഴുത്ത്.

ക്ലാസ് 7: പാഠങ്ങളിലെ കഥാപാത്ര വിശകലനം.

പ്രവർത്തനങ്ങൾ: പ്രസംഗപരിശീലനം, ലളിതമായ ചർച്ച, വായനാമത്സരം.

നവംബർ

ക്ലാസ് 5: കത്തുകൾ (അനുപചാരികം).

ക്ലാസ് 6: കത്തുകൾ (ഓഫീഷ്യൽ & അനുപചാരികം), അറിയിപ്പുകൾ.

ക്ലാസ് 7: റിപ്പോർട്ട് എഴുത്ത്, ആത്മകഥ (ചുരുക്കം).

പ്രവർത്തനങ്ങൾ: എഴുത്ത് മത്സരങ്ങൾ, മലയാള പദപ്രശ്നങ്ങൾ.

ഡിസംബർ

ക്ലാസ് 5: വ്യാകരണ ആവർത്തനം,

ക്ലാസ് 6: പദസമ്പത്ത് വികസനം, ചെറിയ ലേഖനങ്ങൾ.

ക്ലാസ് 7: കവിത/ഗദ്യം - വിമർശനാത്മക പഠനം.

മൂല്യനിർണ്ണയം: , ഗ്രൂപ്പ് പ്രോജക്ട്.

ജനുവരി

ക്ലാസ് 5: സൃഷ്ടിപരമായ എഴുത്ത് (എന്റെ സ്കൂൾ, എന്റെ വളർത്തുമൃഗം).

ക്ലാസ് 6: വിവരണാത്മക എഴുത്ത്

ക്ലാസ് 7: സംഭവവിവരണം, അനുഭവക്കുറിപ്പ്.

പ്രവർത്തനങ്ങൾ: കഥാപ്രസംഗം, പോസ്റ്റർ നിർമ്മാണം.

ഫെബ്രുവരി

ക്ലാസ് 5: ആവർത്തനപാഠങ്ങൾ, ലളിത വ്യാകരണം.

ക്ലാസ് 6: രചന വായനാവബോധ പരിശീലനം.

ക്ലാസ് 7: മോഡൽ പരീക്ഷാ തയ്യാറെടുപ്പ് (ലേഖനം, കത്ത്, വായനാവബോധം).

മൂല്യനിർണ്ണയം: പ്രീ-ഫൈനൽ ടെസ്റ്റ്.

മാർച്ച്

എല്ലാ ക്ലാസുകൾക്കും: അന്തിമ ആവർത്തനം (വായന, എഴുത്ത്, വ്യാകരണം, .

പ്രവർത്തനങ്ങൾ: കൂട്ടവായന, വായിച്ചു കേൾപ്പിക്കൽ.

മൂല്യനിർണ്ണയം: വാർഷിക പരീക്ഷ.

Sanskrit – UP Section

- संस्कृतभाषायाः मौलिकज्ञानम् (Basic knowledge of Sanskrit language).
- श्रवण-वाचन-लेखन-संवादकौशलविकासः (Development of listening, speaking, reading & writing skills).
- भारतीयसंस्कृतेः मूल्यज्ञानम् (Understanding Indian cultural values through Sanskrit).
- सुभाषितानि, श्लोकाः, कथा इत्यादि माध्यमेन नैतिकशिक्षा (Moral education through Subhāṣitas, Shlokas & Stories).

Class V

Teaching Activities

1. **अक्षरपाठः** – Revising vowels, consonants, barakhadi (स्वर-व्यञ्जनपुनरावृत्तिः).
2. **सुबोधश्लोकपाठः** – Simple shlokas (eg: मातृदेवो भव, सत्यं वद).
3. **चित्रदर्शनम्** – Picture-based word introduction.
4. **लघुकथावाचनम्** – Simple Panchatantra stories.
5. **गीतपाठः** – Sanskrit rhymes.

Learning Activities

- श्लोकस्मरणम् (Memorizing simple verses).
- सुबोधसंवादः (Simple dialogues, e.g., "भवान् कुत्र गच्छति?").
- लेखनाभ्यासः (Copy writing, dictation).
- चित्रे नामलेखनम् (Labeling pictures in Sanskrit).

Class VI

Teaching Activities

1. **व्याकरणारम्भः** – Noun forms (रामः, रामौ, रामाः), Pronouns (सः, एषः).
2. **धातुपाठः** – Simple verb forms (गच्छति, पठति, खादति).
3. **श्लोकपठनम्** – Bhagavad Gita verses, Subhāṣitas.

4. **संवादाभ्यासः** – Role play (in class market, classroom dialogue).
5. **साहित्यपरिचयः** – Panchatantra & Hitopadesha extracts.

Learning Activities

- रूपपाठः (Daily recitation of noun/verb forms).
- श्रुतिलेखः (Dictation).
- लघुप्रश्नोत्तरम् (Short Q&A in Sanskrit).
- काव्यस्मरणम् (Memory-based poetry recitation).
- सुलेखनाभ्यासः (Neat handwriting practice)

Class VII

Teaching Activities

व्याकरणविस्तारः

1. **लकारपाठः** – Present (लट्), Past (लङ्), Future (लृट्) tenses.
2. **अनुवादाभ्यासः** – Translation (Sanskrit ↔ Malayalam/English).
3. **श्लोकार्थचर्चा** – Meaning explanation of verses.
4. **नाट्यरूपेणशिक्षणम्** – Dramatization of stories in Sanskrit.

Learning Activities

- संस्कृतसंवादलेखनम् (Writing dialogues).
- अन्वयकथनम् (Explaining prose order).
- श्लोकविवेचनम् (Explaining morals of Subhāṣitas).
- प्रश्ननिर्माणम् (Framing own questions in Sanskrit).
- लघुनिबन्धलेखनम् (Essay writing – e.g., मम विद्यालयः)

3. Teaching–Learning Strategies

- **Audio-visual aids** – संस्कृतगीत, चित्रकथा.
- **Group work** – संवादक्रीडा (dialogue games).
- **Quiz & competitions** – श्लोकपाठस्पर्धा, शब्दखेलाः.
- **ICT integration** – Sanskrit e-learning tools, apps.

- **Cultural link** – Festivals, stories, traditions in Sanskrit.

4. Evaluation Plan

- श्लोकस्मरणपरीक्षा (Recitation tests).
- रूपपाठपरीक्षा (Grammar forms).
- श्रुतिलेखपरीक्षा (Dictation).
- प्रश्नोत्तरपरीक्षा (Oral Q&A).
- परियोजनाकार्यम् (Project work – e.g., संस्कृतभाषायाम् संवादः).

संस्कृताध्ययनस्य मुख्यः उद्देश्यः – विद्यार्थिनः श्रवणपठनलेखनकौशलस्य विकासः।

पञ्चतन्त्रकथाभिः ते नैतिकमूल्यानि ज्ञास्यन्ति।

श्लोकस्मरणेन च उच्चारणशुद्धिः, स्मृतिशक्तिश्च अभिवर्धते।

English UP Section

AIM 1

A reading test and vocabulary checks are conducted to identify the English language learning disabilities.

Term - June 2025 to July 2025

Activities (1-3)

1. Identifying the backwardness of the English language.
2. After identifying the slow learners, different scaffolding methods are adopted to reinforce the LSRW skills.
3. After achieving basic stage of LSRW, they started to read the chapters. Slowly enriched the vocabulary and pronunciation.

AIM 2

Develop comprehension skills through teaching of poems and prose.

Term: August 2025 to October 2025

Activities (4-11)

4. Poems are presented with audio and visual aids. Prose , with models and charts including ICT.
5. Then the language is further clarified through pictures. Stories are presented in the form of pictures.
6. Poster competitions, Choreography and speech competitions are held in conjunction with the celebration of important days.
7. The story sequence is arranged correctly
8. Completing the story
9. The moral/idea of the story is made clear.
10. Reenacts a story heard/seen (children perform at assembly, children's assembly, and creative festival).
11. Role-play is conducted based on everyday life situations and the lesson.

AIM 3

3. Promote the English language as a means of communication and create practical opportunities for it.

Activities (12-15)

Term: November 2025 to February 2026

12. Introduction of new words on daily basis with meaning and examples.
13. Conduct Spell-bee competitions, Riddles making, Grammar quiz to enhance the holistic development of child.
14. Make English newspapers, journals, magazines, etc. available in every class.
15. Organise Debates , Recitation , Storytelling to make them interested in reading and improving proficiency in English.

Duration: One year

activities

16. Activate class/school level reading groups to promote reading.

17. The concept of one library for each class is being implemented more efficiently.
18. The concept of chart making on grammar portions in each lesson by children.
19. The school encourages book reading and familiarises new books in coordination with English club monthly activities .
20. Creative writing competitions (cartoon making , caption writing , slogans etc) are to be held on the basis of themes of lesson.
21. Each group is assigned to do language games, puzzles, tongue twisters, know the writers etc as part of Club activities.

हिन्दी - U.P Section

1. हिन्दी वाचन – लेखन
2. दिनाचरण
3. हिन्दी असंब्ली
4. हिन्दी निघण्डु निर्माण

1. हिन्दी वाचन- लेखन:-

- तैयारी, जुंबा नृत्य, अपना परिचय, गूपिंग आदि।
- हिन्दी वर्णों का परिचय देना।
- शब्द वाचन और लेखन ।
- वाक्य वाचन और लेखन ।
- बच्चों को हिन्दी में शब्द और वाक्य निर्माण करने की योग्यता प्राप्त होती है।

2. दिनाचरण:-

- जून से जनवरी महीने तक के प्रमुख दिनाचरणों में बच्चे पोस्टर आदि तैयार करके नोटिस बोर्ड पर प्रदर्शित करते हैं।
- स्कूल कलोट्सव में भी बच्चे हिन्दी प्रतियोगिताओं में खूब अपनी क्षमता प्रकट करते हैं।

3. हिन्दी असंब्ली:-

हर बुधवार स्कूल असंब्ली में बच्चे “ Thought for the day”

हिन्दी में देते हैं। हिन्दी दिवस के आचरण के अनुबन्ध में हिन्दी में स्कूल असंब्ली प्रस्तुत करते हैं।

4. हिन्दी निघण्डु बनाना:-

- बच्चों में हिन्दी भाषा पर नैपुण्य मिलने के लिए निघण्डु निर्माण करने को कहते हैं।
- बच्चों में नये शब्दों का आर्जन करने की इच्छा प्रकट होती है।
- इसके द्वारा बच्चों में हिन्दी पढ़ने की इच्छा बहुत ज़्यादा आ जाती है ।

1. अवधि: 1 शैक्षणिक वर्ष
2. तिथि: जून के पहले सप्ताह से
3. स्थान: कक्षा
4. छात्रों की संख्या: समस्त छात्र
5. अध्यापक प्रभारी: समस्त अध्यापक

BASIC SCIENCE - UP SECTION

The academic master plan helps to organize the teaching learning process in a systematic way. The plan serves as a roadmap that aligns classroom activities with the prescribed curriculum and syllabus. It clearly defines objectives, learning outcomes and strategies to ensure that every student is able to understand concepts effectively and progress step by step.

Objectives

- To develop curiosity about the natural world and its phenomena
- To help students understand the interdependence of living and non-living things
- To strengthen observation reasoning and experimentation skills
- To encourage healthy habits, environmental responsibility and scientific attitude
- To relate science learning to daily life and sustainable practices

Learning outcomes

- Knowledge and understanding – recognize and explain fundamental concepts in food, materials, energy, health and environment. Understand basic process of plants, animals, human body and natural resources.
- Skills – perform and record simple experiments with accuracy. Use scientific vocabulary, diagrams and measurements appropriately. Apply problem solving and logical reasoning to everyday situation.
- Values and Attitude – work collaboratively in projects and display responsibility towards community and environment, show concern for health hygiene and safety.

Assignments

Worksheets, Chart making, Collecting pictures, Placards, Models, Group project

Social Science UP Section

Aims

To develop awareness of history, geography, civics, and economics at the Upper Primary level.

To create curiosity and interest in society, environment, and civic life.

To cultivate democratic values, social responsibility, and respect for cultural diversity.

To prepare students with a foundation for higher-level Social Science learning.

Objectives

To ensure systematic coverage of the UP Social Science syllabus within the academic year.

To enable students to understand and connect past events, geographical features, and civic structures with present-day life.

To promote skills of map reading, observation, analysis, and interpretation.

To encourage participation in group activities, discussions, and project-based learning.

To assess students' progress regularly and provide remedial support when required.

Activities

Classroom Teaching: Story-based teaching, discussions, and explanation of concepts.

Map Work & Practical Activities: Locating countries, states, rivers, mountains, and important historical sites.

Projects & Assignments: Simple surveys, historical timelines, posters, and reports on social issues.

Group Discussions & Debates: On topics such as equality, freedom, environmental protection, and development.

Co-curricular Activities: Quiz competitions, role play, dramatization of historical events, and exhibitions.

Assessment: Periodic tests, oral questions, assignments, and terminal examinations.

Remedial Measures: Peer-learning sessions and extra classes for slow learners.

Revision Sessions: Regular recap of completed chapters, practice tests, and model examinations.

Mathematics – UP Section

No.	Activity	Description	Duration	Classes	Participants	Support
1	Math Rally	Organize a math-themed rally in and around the school using slogans, placards, math songs, and posters to create interest in mathematics.	1 hour	5 – 7	All students	Teachers
2	Math Magic Show	Conduct a math magic session to demonstrate interesting tricks and concepts related to numbers, measurements, angles, etc.	1 hour	5 – 7	5–10 students	SRG, Teachers
3	Math Fest	Organize a Mathematics Fest with events like quiz, poster making, model display, puzzles, math games, etc.	1 day	5 – 7	5–10 students	Teachers
4	Math Skit	Prepare and perform skits incorporating math concepts like measurements, division, fractions, pi, and daily-life math applications.	Preparation during class hours	6, 7	SRG, 5–10 students	Teachers
5	Math Field Trip	Organize field visits to local shops, banks, factories, or small production units to observe real-life applications of mathematics.	1 day	6, 7	Selected students	Teachers

Information and Communication Technology

UP Section

Topic / Software	Learning Activities	Expected Outcome
Drawing Software Kolour Paint, Krita	<ul style="list-style-type: none"> Explore tools in Kolour Paint (brush, shapes, fill, text) Create freehand drawings Introduce Krita for digital art layers and coloring 	Students create simple digital drawings and paintings, understanding basic tools and layers.
Word Processing Libre Office Writer	<ul style="list-style-type: none"> Use Libre Office Writer to format text Insert images, borders, and shapes Create a school magazine page, poster, invitation card, etc. 	Students prepare a formatted document with text & images; develop skills in creative layout.
Malayalam Typing	<ul style="list-style-type: none"> Change keyboard language in Ubuntu Practice Inscript / phonetic typing Type simple sentences and paragraphs in Malayalam 	Students type correctly in Malayalam and switch between languages easily.
Mathematical Drawings Geogebra	<ul style="list-style-type: none"> Draw geometric shapes, angles, graphs Explore algebra and measurement tools Solve simple math problems visually 	Students use GeoGebra for constructing figures and solving math-related activities.
Internet and It's Facilities	<ul style="list-style-type: none"> Safe browsing practices Search information using keywords Collect text, images, and data for projects 	Students can search safely, evaluate sources, and use information responsibly.
Sky Simulation Stellarium	<ul style="list-style-type: none"> Explore Stellarium interface Identify stars, constellations, planets Simulate night sky of different dates/times 	Students recognize celestial objects and simulate sky scenes scientifically.
Language Lab Read , Record, Listen	<ul style="list-style-type: none"> Listen to model audio Practice reading aloud Record and playback their own reading 	Students improve pronunciation, fluency, and confidence in speaking/reading.
Animation Pencil2D	<ul style="list-style-type: none"> Learn tools in Pencil2D Create and remove frames Make a simple moving animation 	Students produce short 2D animations with drawings and frame sequencing.
Music Composing MuseScore2.2, Thalam	<ul style="list-style-type: none"> Use MuseScore2.2 to add notes, rhythms, instruments Explore “Thalam” software for rhythm patterns 	Students compose a short melody or rhythm sequence digitally.
Game and Programming Scratch	<ul style="list-style-type: none"> Introduce Scratch interface Use blocks to create animations & games Logic with loops, events, and variables 	Students develop interactive stories/games and understand programming basics.
Audio Recording and Editing Audacity	<ul style="list-style-type: none"> Record and import audio Apply cut, copy, mix, add effects Save edited audio project 	Students edit audio and create sound clips with effects.
Data Analysis Libre Office Calc	<ul style="list-style-type: none"> Enter data into Calc Use formulas and functions Create charts and graphs 	Students analyze data and represent information using spreadsheets.
Presentation Libre Office Impress	<ul style="list-style-type: none"> Design slides with text, images, animations Add transitions and layout designs Present their project in class 	Students prepare and present digital slideshows effectively.

മലയാളം - എച്ച് എസ്

ലക്ഷ്യം

- *ഭാഷാപരമായ പിന്നോക്കാവസ്ഥ പരിഹരിക്കൽ
- *കുട്ടിയെ മികച്ച വായനക്കാരൻ ആക്കുക
- *വായനയുടെ വിവിധ തലങ്ങൾ പരിചയപ്പെടുക
- *വായന സാമഗ്രികൾ കണ്ടെത്തി വികസിപ്പിക്കുക
- *സർവ്വശേഷികൾ കണ്ടെത്തലും വികസിപ്പിക്കലും
- *സ്കൂൾ ഗ്രന്ഥശാല ശാക്തീകരണം
- *കലാപരമായ കഴിവുകൾ പ്രകാശിപ്പിക്കൽ
- *ഒരു സാഹിത്യരൂപത്തെ മറ്റൊരു രൂപത്തിലേക്ക് മാറ്റാനുള്ള ശേഷി
- *രചനകൾ, ആശയങ്ങൾ എന്നിവ വിവിധ മാധ്യമങ്ങളിലൂടെ പ്രകടിപ്പിക്കുന്നതിന് അവസരം ഒരുക്കുക
- *ഐസിടി സാധ്യതകൾ ആശയവിനിമയത്തിന് വായനാദിനം, ബഷീർ ദിനം, മാതൃഭാഷാ ദിനം

പ്രവർത്തനങ്ങൾ

- *പ്രീ ടെസ്റ്റ്,അക്ഷരങ്ങളും ചിഹ്നങ്ങളും ഉറപ്പിക്കൽ (ജൂൺ മുതൽ ആഗസ്റ്റ്)
- *വായനാകൂട്ട രൂപീകരണം ,ക്ലാസ് ലൈബ്രറി ആസ്വാദനക്കുറിപ്പ് തയ്യാറാക്കൽ ,ചുമർപത്രിക ഒരുക്കൽ പതിപ്പ് തയ്യാറാക്കുക (ഒരു വർഷം)
- *വിദ്യാരംഗം കലാസാഹിത്യ വേദി രൂപീകരണം , വീഡിയോ പ്രദർശനം രചന ക്യാമ്പ് പുസ്തക ചർച്ച ,ഫീൽഡ് ട്രിപ്പ് (ജൂൺ)
- *ക്ലാസ് ലൈബ്രറി രൂപീകരണം സ്കൂൾ ലൈബ്രറി നവീകരണവും വിപുലപ്പെടുത്തലും വായന മൂല (ആറുമാസം)
- *പാഠഭാഗം ഉൾപ്പെടെയുള്ളവയുടെ നാടകീകരണം, ഐസിടി സാധ്യത ഉപയോഗിച്ച് വിവിധ നാടകങ്ങൾ വീക്ഷിക്കൽ (ആറുമാസം)
- *ക്ലാസ് മാഗസിൻ ,ചുവർപത്രങ്ങൾ എന്നിവയിലൂടെ പ്രകടിപ്പിക്കൽ പത്ര ക്വിസ് (ആഴ്ചയിൽ ഒരു ദിവസം)
- *പാഠഭാഗങ്ങളുമായി ബന്ധപ്പെട്ട ശേഖരിച്ച ഓഡിയോ വീഡിയോകൾ പ്രദർശിപ്പിക്കുന്നു(ആവശ്യാനുസരണം)
- *ദിനങ്ങൾ സമുചിതമായി ആചരിക്കൽ (ജൂലൈ ജനുവരി ഫെബ്രുവരി)

ചുമതല

ഭാഷാ അധ്യാപകർ,ലൈബ്രറിയൻ വിദ്യാരംഗം കലാസാഹിത്യ വേദി, മുഴുവൻ അധ്യാപകർ, ആർട്ട് അധ്യാപകർ, ക്ലബ്ബ് അംഗങ്ങൾ

Sanskrit - High School Section

♦ Class VIII

Teaching Activities

- शलुकपाठः
- व्याकरणप्रवेशः – , लिङ्गम्, विभक्तिः, लकाराः.
- संवादाभ्यासः
- पठनकर्म
- चित्रदर्शनम्

Learning Activities

- शलुकस्मरणम्
- तालिकानिर्माणम्
- अनुवादः
- लघुनाटकम्
- प्रश्नोत्तराभ्यासः

♦ Class IX

Teaching Activities

- कथापाठः
- व्याकरणविस्तारः – समासः, तद्धितप्रत्ययाः, कृदन्ताः.
- सुभाषितपाठः
- श्रवणाभ्यासः
- लेखनाभ्यासः

Learning Activities

- सुभाषितसङ्ग्रहः

- अनुवादलेखनम्.
 - संवादनाटकम्.
 - प्रश्नपत्रसमाधानम्
 - गानाभ्यासः
-

♦ Class X

Teaching Activities

- महाकाव्य/नाटकपाठः
- व्याकरणगहनाभ्यासः – समासविचारः, छन्दः, सन्धिः.
- निबन्धलेखनम्
- श्रवणशिक्षणम्.
- समग्रपुनरावलोकनम्

Learning Activities

- पाठानुवचनम्
- नाट्यरूपेण प्रस्तुतीकरणम् –
- प्रश्नोत्तरीप्रतियोगिता
- निबन्धरचना –
 - मूल्याङ्कनाभ्यासः .

* सम्भाषण शिबिराणि, विद्यालये संस्कृत वार्ता पत्र निर्माणं , संस्कृत प्रार्थना सभा, संस्कृतदिनाचरणं, संस्कृतोत्सवं च संघटितानि । छात्राणां कृते पठनयात्रा (कलामण्डलं, किल्लिक्कुरुशिश्मडगलम् , विविध कूटिचाहकेन्द्रानि च) इत्यादिः अधिकतया दत्तानि प्रवर्तनानि भवन्ति ।

English – HS Section

AIM 1

A pre-test is conducted to identify the English language deficit.

Term - June 2025 to July 2025

Activities (1-3)

1. Identifying the backwardness of the English language.
2. After identifying the backward students, different teaching methods are adopted to reinforce the letters. (Methods such as letter card patterns and santra are adopted.
3. After the letters are solidified, they enter words through phonic patterns. Letters are repeated.

AIM 2

Develop listening comprehension skills through various storytelling and teaching methods.

Term: August 2025 to October 2025

Activities (4-11)

4. Rhymes, stories, etc. are presented with ICT capabilities.
5. Then the language is further clarified through pictures. Stories are presented in the form of pictures. Prepare a caption for each picture and match the pictures with the appropriate sentences.
6. Caption competitions and poster competitions are held in conjunction with various international holidays (Children's Labor Day, Environment Day).
7. The story sequence is arranged correctly
8. Completing the story
9. The moral/idea of the story is made clear.
10. Reenacts a story heard/seen (children perform at assembly, children's assembly, and creative festival).
11. Role-play is conducted based on everyday life situations and the lesson.

AIM 3

3. Promote the English language as a means of communication and create practical opportunities for it.

Activities (12-15)

Term: November 2025 to February 2026

12. Celebrate one day a week as English Day (English club activity).
13. Conduct a variety of activities in English assembly using English language, including news reading, speech, poetry recitation, Spell-bee competitions, English quotes, proverbs, Riddles & Puzzles. Conduct English quiz.
14. Make English newspapers, journals, magazines, etc. available in every class.
15. English Assembly: Organize class level/school level competitions in program announcements, speech, declamation, debate, etc. related to various daily activities, conduct English Fest, Film Fest...

Make them interested in reading and proficient.

Duration: One year

activities

16. Activate class/school level reading groups to promote reading.
17. The concept of one library for each class is being implemented more efficiently.
18. The concept of a mobile library is Malayalam/Library/PTA/SMC.

Implement with the cooperation of departments.

19. Moyens encourages book reading in coordination with the activities of the Reading Group and fosters children's interest in reading English through the intervention of English language teachers.
20. Recitation competitions and reading competitions are held at class level and school level...
21. There should be a language corner in every class where language games, puzzles, riddles, tongue twisters, know the writers, A word a day

Conducting activities

The school is organizing an English Fest in conjunction with its annual program... in which the various language skills and creativity acquired by the children are showcased.

हिंदी – HS Section

उद्देश्य (Objectives):

- * विद्यार्थियों में हिंदी भाषा के प्रति रुचि व समझ विकसित करना।
- * शुद्ध उच्चारण, लेखन व व्याकरण ज्ञान को बढ़ावा देना।
- * पाठ्यपुस्तकों में वर्णित साहित्यिक, सामाजिक व सांस्कृतिक मूल्यों को समझाना।
- * मौखिक और लेखन कौशल का विकास करना।
- * मौन वाचन और व्यक्तिगत वाचन ।

परियोजना, प्रस्तुति और संवाद गतिविधियों के माध्यम से संप्रेषण क्षमता बढ़ाना ।

मूल्यांकन (Assessment):

आंतरिक मूल्यांकन (20 अंक):

उपस्थिति व सहभागिता - 5 अंक

प्रोजेक्ट / असाइनमेंट - 5 अंक

कक्षा परीक्षण / गतिविधि -10 अंक

वार्षिक लिखित परीक्षा, निर्धारित सिलेबस के अनुसार।

सह-शैक्षणिक गतिविधियाँ:

हिंदी दिवस पर भाषण / कविता पाठ प्रतियोगिता

कहानी लेखन प्रतियोगिता

वाद-विवाद व नाटक मंचन

पुस्तक समीक्षा प्रस्तुति

श्रव्य-दृश्य माध्यम से शिक्षण

हिंदी दिवस पर भाषण / कविता पाठ प्रतियोगिता

कहानी लेखन प्रतियोगिता

वाद-विवाद व नाटक मंचन

पुस्तक समीक्षा प्रस्तुति

श्रव्य-दृश्य माध्यम से शिक्षण (Videos, PPT)

संसाधन सामग्री (Resources):

केरल राज्य हिंदी पाठ्यपुस्तक (SCERT)

ऑडियो-विजुअल शिक्षण सामग्री

हिंदी शब्दकोश, व्याकरण गाइड

छात्रों के लिए कार्यपुस्तिका

विशेष ध्यान:

मलयालम भाषी छात्रों की भाषा पृष्ठभूमि को ध्यान में रखते हुए दोहराव व अभ्यास पर बल।

ICT (Information & Communication Technology) का प्रयोग करके भाषा शिक्षण को रुचिकर बनाना।

समावेशी कक्षा - विशेष आवश्यकता वाले छात्रों के लिए वैकल्पिक गतिविधियाँ। (निम्न स्तर बच्चे)

Social Science HS Section

Aims

- To develop an understanding of historical, geographical, political, and economic concepts.
- To cultivate civic awareness and responsibility among students.
- To relate social science learning with real-life situations and contemporary issues.
- To promote critical thinking, problem-solving, and decision-making skills.
- To prepare students for higher studies and future citizenship roles.

Objectives

- To ensure systematic coverage of the Social Science syllabus within the academic year.
- To help students understand the interrelationship between society, environment, politics, and economy.
- To enhance map reading, data interpretation, and analytical skills.
- To encourage participation in discussions, debates, and project-based learning.
- To strengthen exam preparedness through regular assessments and revisions.

Activities

- Classroom Teaching: Explanation of concepts through stories, discussions, and interactive sessions.
- Map Work & Practical Activities: Locating places, climatic regions, resources, and political boundaries.
- Assignments & Projects: Topic-based projects, case studies, and surveys.
- Group Discussions & Debates: On current social, political, and economic issues.
- Co-curricular Activities: Quiz competitions, role play, poster making, and seminars on Social Science themes.

Assessment: Periodic class tests, terminal examinations, and model exams.

Remedial Measures: Extra coaching and peer-learning for weak learners.

Revision Sessions: Chapter-wise recap, practice of previous years' questions, and exam preparation.

Physics – HS Section

No.	Objective	Activities	Duration	Participation	Collaboration
1	Developing Scientific Curiosity	Demonstrate simple, curriculum-based physics experiments (light, motion, magnetism, etc.). Students will try hands-on mini-experiments.	Throughout the year	Students + Teachers	Science teachers
2	Promoting Conceptual Understanding	Organize discussion sessions, quiz competitions, and peer teaching on physics topics from the syllabus.	1–2 months	Students + Teachers	Subject teachers
3	Science Skit / Drama	Create and perform a skit or drama that explains a science/physics concept in a creative way.	Club hour activity	SRG, Teachers	PTA, HM
4	Field Visit	Visit science museums, planetariums, or renewable energy parks to connect textbook topics with real-world applications.	Once in the year	Students + Teachers	PTA, HM, SRG
5	Documentation & Exhibition	Collect, document, and present club activities via wall magazines, portfolios, and annual science exhibition.	4 months	Students + Teachers	Teachers, SRG

CHEMISTRY HS (Section)

The academic master plan provides a structured approach to academic decision-making. It not only enhances the institution's competitiveness and reputation but also ensures that students are equipped with the knowledge and skills required in a changing world.

Aims

Build a strong conceptual foundation in chemistry to prepare students for higher studies.

Encourage curiosity about the natural world and develop scientific thinking. Connect chemistry concepts to real-life applications (industry, health, and environment).

To cultivate scientific interest, analytical thinking, and experimental skills.

Promote awareness of sustainability and environmental responsibility.

Objectives

To ensure systematic coverage of the Chemistry syllabus within the academic year.
To enable students to understand, apply, and analyse chemical reactions, laws, and concepts.

To develop laboratory skills, accuracy in observation, and scientific reporting.
To strengthen problem-solving and numerical skills in physical, organic, and inorganic chemistry.

To provide regular assessments, practice, and remedial support for better exam performance.

Activities

Classroom Teaching: Interactive lectures, explanations, and discussions on concepts.

Laboratory Work: Conducting experiments, writing records, and verifying theoretical principles.

Assignments & Projects: Problem-solving worksheets, application-based projects, and model-making.

Group Discussions & Seminars: On topics like Green Chemistry, Environmental Issues, and Industrial Applications

Learning Outcomes

Understand matter: Classify into elements, compounds, and mixtures; describe their properties.

Use chemical language: Write and balance equations, apply symbols and formulae.

Explain atomic concepts: Structure of atom, bonding, and properties of elements.

Analyse reactions: Types of reactions, acids, bases, salts, and their applications.

Apply knowledge: Connect metals, non-metals, and carbon compounds to daily life.

Relate chemistry to environment: Pollution, green chemistry, corrosion, and waste management.

Assignments / Activities

Worksheets: Balancing equations, identifying compounds, classifying matter.

Projects:

“Chemistry in Everyday Life” (detergents, medicines, food preservatives).

“Metals vs Non-metals” (charts, models, or experiments).

Charts & Posters: Environmental chemistry, carbon compounds, corrosion prevention.

Model Making: Atomic structure, functional groups in carbon chemistry.

Assessment Strategies

Formative: Class tests, quizzes, group discussions.

Summative: Unit tests, half-yearly & annual exams.

Practical evaluation: Experiment handling, observation, and arriving conclusions.

Project/Presentation: Innovative ideas linking chemistry to environment & technology.

Expected Student Competencies

Ability to explain chemical principles clearly.

Application of chemistry to real-life contexts.

Problem-solving skills in equations and reactions.

Confidence in handling experiments independently.

Remedial Measures: Extra support classes, peer-learning, and revision worksheets for weak learners.

Revision Sessions: Systematic recap of chapters, solving previous years’ question papers, and exam-oriented preparation.

BIOLOGY HS Section

Objective	Activities	Duration	Responsible Person	Monitoring / Evaluation
Develop scientific inquiry skills	<ul style="list-style-type: none"> • Orientation to lab safety & scientific method. • Demonstrations and student experiments (cell observation, osmosis, food tests). 	Throughout the year (as per timetable)	Biology Teacher	Lab record verification, class tests, PTA feedback
Strengthen understanding of Cell Biology & Life Processes	<ul style="list-style-type: none"> • Microscope practice, slide preparation (onion/cheek cells). • Food tests for carbohydrates, proteins, fats. • Activities on respiration, circulation & excretion. 	Term-wise	Biology Teacher, Lab Assistant	Practical exams, notebook checking
Promote Genetics & Evolution literacy	<ul style="list-style-type: none"> • Punnett square problem-solving. • Pedigree chart preparation. • Natural selection games, evolutionary timeline charts. 	Mid-year	Biology Teacher	Written tests, seminar presentation, peer evaluation
Enhance awareness of Environment & Ecology	<ul style="list-style-type: none"> • Schoolyard biodiversity study, quadrat sampling. • Waste audit & compost pit activity. • Observation of World Environment Day, Ozone Day, Science Day. 	Monthly/Annual	Eco Club, Biology Teacher, Students	Project reports, exhibitions, PTA review
Apply Biology in Health &	<ul style="list-style-type: none"> • Nutrition awareness 	Continuous	Biology Teacher,	Report submission,

Agriculture	(balanced diet, anaemia awareness). • Germination trials, medicinal plants corner. • Awareness programs on lifestyle diseases.		Health Club, Agriculture Officer (guest)	student projects, feedback
Encourage communication & presentation skills	• Preparation of posters, models, seminars. • Participation in Science Congress, exhibitions, quizzes.	Term-wise	Biology Teacher, Science Club	Student portfolios, peer/self-assessment

MATHEMATICS HS Section

OBJECTIVES

- Ensure full syllabus coverage on time
- Strengthen conceptual understanding and application
- Improve problem-solving and analytical skills
- Prepare students for continuous and summative assessments
- Encourage revision, self-study, and exam readiness

Month Focus Area

June - Bridge course / baseline assessment / 1st chapter

July - Aug - Concept-building, activities, and practice

September - Midterm review, revision, first term exam

Oct - Nov - Continue syllabus + remedial for weak areas

December - Complete syllabus + revision starts

Jan - Feb - Full revision + model exams

March - Final exam and result preparation

CLASSROOM STRATEGY

1. Lesson Planning

- Use SCERT Teacher Textbook
- Include real-life examples
- Use visual aids (charts, graphs, geometry models)

2. Practice

- Solve all textbook exercises in class
- Give 10–15 practice sums as homework
- Include short test every 2 weeks

3. Assessment

- Monthly tests (class-level)
- Term exams (school-level)
- Weekly quiz or oral Q&A for quick recap

STUDENT SUPPORT SYSTEM

- Peer learning groups: Assign weekly topics to students for peer teaching
- Remedial sessions: Identify low scorers after each test and provide extra help
- Math Lab activities: At least 1 activity/month using low-cost teaching aids
- Notebook checking: Once every 2 weeks for homework and notes completion

EXAM PREPARATION STRATEGY Term 1 & 2

- Conduct revision tests 2 weeks before exams
- Share expected question patterns and sample QPs
- Assign model papers for homework and solve in class

Class 10 (Board Class)

- Start revision by December
- Weekly model exam practice from January
- Solve past 5 years' board questions
- Group discussions for tricky problem-solving

TEACHING TOOLS & RESOURCES

- SCERT Kerala Textbook & Teacher Textbook
- Samagra Kerala Portal (<https://samagra.kite.kerala.gov.in>)
- School Math Lab (Geometry tools, Charts)
- Online videos for reinforcement

FINAL CHECKLIST

- Syllabus completion before December 15
- Remedial classes scheduled for weak students
- Class-wise revision plan implemented
- Monthly report shared with school head

Information and Communication Technology

HS Section

Topics & Software	Process (Learning Activities)	Expected Outcome (Achievements)
Image Editing InkScape, GIMP, Krita	<ul style="list-style-type: none"> - Demonstration of software interfaces. - Hands-on activities: create posters, edit images, use layers, apply filters. - Group projects: design a school poster. 	<ul style="list-style-type: none"> - Students can edit and create digital images. - Develop poster/banner designs. - Gain familiarity with multiple editing tools.
Word Processing Libre Office Writer	<ul style="list-style-type: none"> - Practical sessions on formatting text, creating tables, inserting images, page setup. - Assignment: prepare a report or project document. - Collaboration activity: group newsletter in Writer. 	<ul style="list-style-type: none"> - Students can prepare well-formatted documents. - Apply advanced features like headers/footers, TOC, etc. - Improve academic writing skills.
Music Composing LMMS	<ul style="list-style-type: none"> - Introduction to digital music composing. - Practice: create rhythms, melodies, background scores. - Group task: compose a short theme music for school events. 	<ul style="list-style-type: none"> - Students can compose and export music files. - Understand beat, rhythm, layering in digital sound.
Games and Programming PictoBox, Scratch	<ul style="list-style-type: none"> - Visual programming sessions. - Create simple interactive games/animations. - Problem-solving through coding tasks. 	<ul style="list-style-type: none"> - Students can design interactive animations/games. - Logical and computational thinking improved. - Basic programming concepts gained.
Internet and Cyber World	<ul style="list-style-type: none"> - Awareness sessions on safe internet use, email, search engines, cloud tools. - Discussions on cyber ethics, privacy, digital footprint. - Practical: create an email group/class blog. 	<ul style="list-style-type: none"> - Students practice safe online behavior. - Efficient use of internet resources. - Develop digital citizenship.
Data Analysis Libre Office Calc	<ul style="list-style-type: none"> - Practice: entering data, formulas, charts, filtering, sorting. - Project: analyze school-related data (attendance, marks, survey). 	<ul style="list-style-type: none"> - Students can manage and analyze data. - Apply formulas, create graphs. - Interpret data meaningfully.
School Newspaper Scribus	<ul style="list-style-type: none"> - Page layout and design sessions. - Practice: create banners, insert text/images, adjust background. - Project: prepare a class/school newsletter. 	<ul style="list-style-type: none"> - Students create a digital newspaper. - Learn desktop publishing. - Enhance teamwork and creativity.
Computer Language Python	<ul style="list-style-type: none"> - Intro to Python environment. - Practice: simple programs (loops, conditionals, functions). - Assignments: problem-solving exercises. 	<ul style="list-style-type: none"> - Students develop coding skills in Python. - Logical reasoning and algorithmic thinking improved. - Prepare for higher-level programming.
Web Designing CSS, HTML	<ul style="list-style-type: none"> - Sessions on HTML structure, tags, CSS styling. - Practical: design simple personal/portfolio websites. - Project: create a class website. 	<ul style="list-style-type: none"> - Students can build and style basic web pages. - Understand website structure and design aesthetics.
The World of Robotics	<ul style="list-style-type: none"> - Introduction to robotics and IoT. - Hands-on with robot kits/simulators (if available). - Group project: simple robot tasks 	<ul style="list-style-type: none"> - Students understand robotics concepts. - Gain exposure to automation and sensors. - Inspire STEM interest for future studies.

HEALTH AND SPORTS EDUCATION.

Sector: Health and Sports Education

Objective: To achieve health and physical fitness
in children.

:Master the skills of appropriate sports.

Sub Sector: 1 Sports Sector

2 Health sector

Introduction

conducted on school children in Kerala has shown that the fitness level of children is decreasing day by day. This is rightly pointed out. A sedentary awareness of healthy and physical activity, which directly benefits childhood is mainly due to health in youth and old age. However, the modern lifestyle is making children and adults alike inactive.

In some cultures, inactivity resulting in obesity and diseases, has reached crisis proportions among those who have grown up. A recent study has found that Indians are genetically more susceptible to heart disease than any other country in lack of the world. In India, the number of people who lose their lives to heart disease between the ages of 35 and 64 is steadily increasing. India is facing the world's largest epidemic of diabetes. The Indian population of over 1 billion people is at high risk of developing type 2 diabetes after middle age, due to a more Westernized lifestyle, high-fat diets, and lack of exercise.

The number of diabetic patients in India is increasing. Survey results show that more than 10 crore patients in the country (New Delhi) The number of diabetic patients in India is increasing significantly. A survey conducted by the Indian Council of Medical Research-India Diabetes (ICMR-INDIAB) found that more than 10 crore people in India have diabetes. The study says that 13.6 crore people are pre-diabetic and 31.5 crore people have high blood pressure. This is the first such study to be conducted on the prevalence of metabolic non-communicable diseases (NCD). This is one of the largest surveys in the country. 25.4 crore people are obese, 35.1 crore people have abdominal obesity, 213 crore people have high cholesterol (hypercholesterolemia) and 18.5 crore people have high LDL The survey also found that there is cholesterol or U cholesterol. The study says that the prevalence of such diseases is higher in Kerala, Puducherry, Goa, Sikkim and Punjab compared to other parts of India. What is more worrying is that there are more people with prediabetes than diabetics in the country. This means that the number of diabetics will increase significantly in the coming years. In 2019, there were 7.4 million diabetics in the country. There has been a huge jump in their number in India in the last four years. If we

say that there will be 35-40 lakh diabetics in India by 2020, every fifth diabetic patient in the world will be Indian.

And that will be from Kerala, more than any other state, the Doctors Association has found.

113043 people participated in the survey conducted between 2008 and 2020. Of these, 33,537 are urban residents and 79,506 are rural residents. The study found that the highest diabetes rates are in the northern and southern parts of India. The study also states that the prevalence of the disease is lower in the southern and northeastern states.

The study was published on Thursday in the journal "The Lancet Diabetes and Endocrinology."

If we analyze the physical condition of children in the state of Kerala based on previous generations, the level of physical activity among current children is very low.

Goal: Achieving physical fitness and creating a
Healthy generation

Activity

- ❖ Yoga
- ❖ Football
- ❖ Shuttles
- ❖ Thug of war
- ❖ Basketball
- ❖ Cricket
- ❖ Lawn Tennis
- ❖ Athletics
- ❖ Kabbadi
- ❖ Table tennis

YOGA

Yoga is taught to children in classes 6,7,8 in every year. Children compete at a high level in yoga competitions from school.

FOOTBALL

The school provides years of training for football with the help of an outside coach. Football training is provided to the children from 4 to 6 pm.

BASKETBALL

School children receive year-long training in basketball with the help of an outside coach. Basketball training is provided to children from 4:00 PM to 6:00 PM. The children on the basketball team are participating in high-level competitions and are performing well at the state and national levels.

CRICKET

The school's physical education teacher trains the children for cricket. The children are trained from 4 to 6 pm. The children also participate in cricket at the state level.

BADMINTON

The children play badminton on the school court itself. The school's sports teacher trains the children. The children perform well in high-level competitions every year.

THUG OF WAR

The school's physical education teacher trains the children for tug-of-war. The children are trained from 4 pm to 6 pm. The children are performing well from this training and are taking their sports health to the next level. The children are also participating in high-level competitions.

LAWN TENNIS

The school provides year-round training for lawn tennis with an external grant from 4 pm to 6 pm. Badminton training is provided to children. Following this training, children participate in national and state level competitions and achieve high success.

ATHLETICS

The school's physical education teacher trains the children for athletics. The children are trained from 4 to 6 pm. The children also participate in athletics at the state and national level.

KABADDI

The school's physical education teacher trains the children for kabaddi. The children are trained from 4 to 6 pm. The children perform well in high level competitions every year

TABLE TENNIS

The school provides years of training for table tennis with the help of an outside coach. The children are trained from 4 to 6 pm . The children also participate in athletics at the state and national level

SCHOOL LIBRARY

A **school library** is an essential part of the educational environment. It provides resources, services, and a quiet space to support learning, reading, and personal development for students and teachers.

AIM OF SCHOOL LIBRARY

The main aim of a school library is:

“To support the teaching and learning process by providing access to a wide range of learning resources and promoting reading habits among students.”

OBJECTIVES

1. Develop reading habits and a love for books.
 2. Provide access to information and reference materials.
 3. Support academic learning across all subjects.
 4. Encourage independent study and research.
 5. Help students become information-literate and lifelong learners.
-

KEY ACTIVITIES OF A SCHOOL LIBRARY

1. **Book Lending Services**
 - Borrowing and returning of fiction, non-fiction, and subject books.
2. **Reading and Storytelling Sessions**
 - Read-aloud sessions for younger students.
 - Author talks or storytelling activities.
3. **Library Periods**
 - Dedicated time for students to read, research, or explore books.
4. **Book Exhibitions and Fairs**
 - Organizing book displays and inviting publishers or bookstores.
5. **Competitions and Celebrations**
 - Essay writing, book reviews, quizzes, and debates.
 - Observing **Library Week, Reading Day, or Literacy Day**.
6. **Digital Learning Support**
 - Access to e-books, educational websites, and online encyclopedias.
7. **Reference Services**
 - Use of dictionaries, encyclopedias, atlases, newspapers, and magazines for projects and homework.
8. **Library Clubs**
 - Encouraging students to join book clubs or reading circles.

JUNIOR RED CROSS (JRC)

The **Junior Red Cross (JRC)** is the student wing of the **Indian Red Cross Society**, which aims to promote humanitarian values, health awareness, and voluntary service among school children.

AIM OF JUNIOR RED CROSS

The main aim of the **Junior Red Cross** is:

"To instill in young people the ideals of service, health, and friendship at both national and international levels."

It encourages students to grow into responsible citizens who care for others and are ready to serve society in times of need.

OBJECTIVES

1. **Health** – Promote good health, hygiene, and nutrition among students and the community.
 2. **Service** – Encourage voluntary service to help the sick, needy, and vulnerable.
 3. **Friendship** – Foster friendship and understanding among children across cultures and borders.
-

CORE ACTIVITIES OF JRC

1. Health and Hygiene Education

- Organizing health awareness programs
- Promoting personal cleanliness
- Conducting first aid training
- Preventing communicable diseases

2. Community Service

- Helping the elderly and needy
- Organizing charity drives (e.g., clothes, books)
- Visiting hospitals and orphanages
- Assisting in disaster relief activities

3. Promotion of Peace and Friendship

- Conducting poster-making, essay, and speech competitions on peace and unity
 - Celebrating Red Cross Day, World Health Day, etc.
 - Cultural exchanges with other schools or countries
 - Creating awareness of humanitarian laws and values
-

MOTTO OF JRC

“I Serve”

This reflects the spirit of selfless service, kindness, and compassion towards others.

National Service Scheme (NSS)

The **National Service Scheme (NSS)** is an Indian government-sponsored public service program conducted by the Ministry of Youth Affairs and Sports. It was launched in 1969, the birth centenary year of Mahatma Gandhi, to promote social awareness, community service, and national development among youth.

AIM OF NSS

The primary aim of the **National Service Scheme (NSS)** is:

“Development of the personality of students through community service.”

This aim focuses on instilling a sense of social responsibility, discipline, leadership, and teamwork in students by engaging them in constructive community-based activities.

OBJECTIVES

1. Understand the community in which they work.
 2. Identify the needs and problems of the community.
 3. Develop a sense of social and civic responsibility.
 4. Apply their education to find practical solutions to community problems.
 5. Develop leadership qualities and democratic attitudes.
 6. Practice national integration and social harmony.
-

CORE ACTIVITIES OF NSS

NSS activities are broadly divided into two categories:

1. Regular Activities (120 hours per year)

These are weekly community service programs like:

- Literacy and education campaigns
- Blood donation drives
- Tree plantation
- Cleanliness and hygiene campaigns (e.g. Swachh Bharat)
- Health and nutrition awareness
- Women empowerment programs
- Anti-drug and anti-smoking campaigns

2. Special Camping Programs (7 days residential camps)

These are intensive social work projects, usually organized in rural or backward areas. Themes often include:

- Youth for Clean India
 - Youth for Digital India
 - Disaster management
 - Environmental protection
 - Water conservation
-

Other Activities Include

- Organizing rallies and awareness drives
 - Disaster relief work
 - Traffic control during public events
 - Participation in Republic Day camps and cultural programs
 - International Youth Exchange Programs
-

MOTTO OF NSS

"Not Me, But You"

This motto reflects the spirit of selfless service and emphasizes the importance of placing community welfare above individual interests.

ATAL TINKERING LAB (ATL)

Atal Tinkering Labs (ATL) are an initiative by the **Atal Innovation Mission (AIM)**, under **NITI Aayog**, Government of India. These labs are set up in schools across the country to foster curiosity, creativity, and innovation among young students.

AIM OF ATAL TINKERING LAB

The main aim of ATL is:

"To cultivate a culture of innovation, problem-solving, and entrepreneurial thinking among students from an early age."

It encourages students to explore, experiment, and bring their ideas to life using modern tools and technologies.

OBJECTIVES

1. Promote **STEM (Science, Technology, Engineering, Mathematics)** learning.
 2. Develop **critical thinking, creativity, and innovation**.
 3. Encourage students to **solve real-world problems** through technology.
 4. Provide hands-on experience with **modern tools and equipment**.
 5. Build a foundation for **entrepreneurship and research**.
-

KEY ACTIVITIES OF ATL

1. Innovation Challenges & Competitions

- ATL Tinkering Marathon
- Smart India Hackathon
- Problem-solving competitions at school and national levels

2. Hands-on Projects

- Robotics and automation projects
- 3D designing and printing
- IoT-based applications (Internet of Things)
- Artificial Intelligence (AI) and coding-based solutions

3. Workshops & Training Sessions

- Teacher training on STEM tools
- Student mentoring by experts
- Bootcamps on design thinking, AI, drone tech, etc.

4. Community Outreach

- Encouraging peer learning
- Showcasing innovations at exhibitions
- Partnering with local industries or NGOs

5. Celebration of Important Days

- ATL Community Day
- Innovation Day
- Science Day and Technology Day

TOOLS & TECHNOLOGIES AVAILABLE IN ATL

- 3D Printers
- DIY kits
- Robotics kits
- Sensors and microcontrollers (like Arduino, Raspberry Pi)
- Laptops/Tablets
- Internet and prototyping tools

MOTTO / VISION

“Innovate. Create. Tinker. Transform.”

HARMONY CLUB

A **Harmony Club** is typically formed in schools to promote **peace, unity, communal harmony, and mutual respect** among students of different backgrounds, cultures, and religions. It encourages values like **tolerance, empathy, cooperation, and social unity**.

AIM OF HARMONY CLUB

“To foster communal harmony, national integration, and respect for diversity among students by promoting peace, unity, and mutual understanding.”

It helps build a sense of togetherness and cooperation in a multicultural society.

OBJECTIVES

1. Promote **unity in diversity**.
 2. Encourage respect for **different cultures, religions, and traditions**.
 3. Develop values of **tolerance, peace, and brotherhood**.
 4. Raise awareness about the **importance of communal harmony** in a democratic society.
 5. Involve students in **activities that build empathy, understanding, and cooperation**.
-

KEY ACTIVITIES OF THE HARMONY CLUB

1. Observing Important Days

- **National Integration Day**
- **Unity Day**
- **Communal Harmony Week**
- **Gandhi Jayanti, Human Rights Day, etc.**

2. Cultural Exchange Programs

- Organizing **festivals of different communities**.
- Exhibitions or food fairs representing various cultures and traditions.

3. Awareness Campaigns

- Poster-making, rallies, and seminars on peace and unity.
- Skits or street plays on social harmony and brotherhood.

4. Group Discussions and Debates

- Topics like communal harmony, secularism, global peace, and human rights.

5. Peace Pledge & Harmony Wall

- Students take pledges for peace and tolerance.
- Creating a “Harmony Wall” where students write or draw messages of peace and unity.

6. Guest Talks & Workshops

- Inviting speakers from diverse backgrounds to talk about values of tolerance and unity.
-

VARIOUS CLUB ACTIVITIES

1. Literary Club

Aim: To develop language, communication, and literary skills.

Activities:

- Essay writing, poetry, story writing competitions
 - Debates and group discussions
 - Book reviews and reading challenges
 - Spelling bees and quiz contests
 - Elocution and speech competitions
-

2. Art & Craft Club

Aim: To foster creativity and artistic expression.

Activities:

- Drawing and painting competitions
 - Poster-making for school events
 - Craft from waste workshops
 - Greeting card and decoration making
 - Clay modeling and origami sessions
-

3. Drama & Theatre Club

Aim: To enhance expression, confidence, and performance skills.

Activities:

- Skits and one-act plays
 - Street plays on social issues
 - Mime and role-play sessions
 - Drama competitions during school functions
 - Theatre games and improvisation workshops
-

4. Science Club

Aim: To promote scientific thinking and curiosity.

Activities:

- Science experiments and model making
 - Science exhibitions and fairs
 - Quizzes on scientific facts and discoveries
 - Guest lectures by scientists
 - Visits to science museums or labs
-

5. Computer/Technology Club

Aim: To develop digital skills and tech knowledge.

Activities:

- Coding and programming contests
 - App or website design challenges
 - Robotics and AI workshops
 - Graphic design and animation tasks
 - Cyber safety awareness sessions
-

6. Eco Club / Nature Club

Aim: To create environmental awareness and responsibility.

Activities:

- Tree plantation drives
 - Cleanliness and anti-plastic campaigns
 - Nature walks and biodiversity observation
 - Recycling and composting activities
 - Environmental awareness skits or rallies
-

7. Sports Club

Aim: To promote physical fitness, discipline, and teamwork.

Activities:

- Inter-house tournaments (football, cricket, etc.)
 - Yoga and fitness sessions
 - Track and field events
 - Warm-up games and fun relays
 - Sports quizzes and seminars
-

8. Music & Dance Club

Aim: To encourage musical and rhythmic talents.

Activities:

- Singing and dance competitions
 - Group performances for school events
 - Instrument learning sessions
 - Folk and classical dance workshops
 - Musical theatre performances
-

9. Social Service Club

Aim: To develop a sense of social responsibility and community service.

Activities:

- Visits to old age homes, orphanages
 - Organizing donation drives (food, clothes, books)
 - Blood donation awareness
 - Volunteering for local social causes
 - Fundraising for relief during natural disasters
-

10. Media Club

Aim: To enhance writing, editing, and media literacy skills.

Activities:

- Publishing school newsletters or magazines
 - Writing articles and interviews
 - Learning photography and videography
 - Anchoring school events or assemblies
 - Conducting mock press conferences
-

11. Language Club (Hindi, English, Malayalam, Sanskrit)

Aim: To improve communication skills and respect for languages.

Activities:

- Drama and poetry recitations in different languages
 - Story-writing and scriptwriting
 - Translation contests
 - Cross-language cultural events
 - Language-based quizzes and games
-

12. Health & Wellness Club

Aim: To promote physical, mental, and emotional well-being.

Activities:

- Yoga and meditation sessions
 - Talks on nutrition and healthy habits
 - First-aid and CPR training
 - Anti-bullying and stress management workshops
 - Fitness challenges or step count competitions
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13. Commerce Club

Aim: To promote business skills and financial literacy.

Activities:

- Business idea pitch competitions
 - School market days (selling student-made products)
 - Budgeting and money management games
 - Guest talks by entrepreneurs
 - Role-playing as CEOs or marketers
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ANNUAL ACTIVITIES 2025-26

S.NO	MONTH	DATE	DEPARTMENT	ACTIVITIES
1	JUNE	2		PRAVESHANOLSAVAM
2		4	KG	FRESHER'S DAY – L K G
3		5	NATURE CLUB	WORLD ENVIRONMENT DAY
4		11		NAVADARPAN – CLASS 11 12 STANDARD
5		19	MALAYALAM CLUB	VAYANADINAM DOCUMENTATION - CLASS 7
6		21	YOGA & MUSIC CLUB	YOGA DAY & MUSIC DAY DOCUMENTATION – CLASS 6
7		26	ANTI – DRUG COMMITTEE	WORLD ANTI – DRUG DAY DOCUMENTATION – CLASS 6
8		28	ALL CLUB	CLUB INAUGURATION & INVESTITURE CEREMONY - CLASS 10
9	JULY	5	MALAYALAM CLUB	BASHEER DINAM DOCUMENTATION - CLASS 5
10		7	NATURE CLUB	VANAMAHOSTAVAM
11		21	SCIENCE CLUB	MOON DAY CLASS 3
12		26	FAIR INAUGRATION	SOCIAL ,SCIENCE ,MATHS ,I.T ,WORK EXPERINCE – FAIRS FAIR INAUGURATION – CLASS 9
13		28		WORLD NATURE CONSERVATION DAY

				CLASS 2
14	AUGUST	6	SOCIAL SCIENCE CLUB HARMONY CLUB	HIROSHIMA DAY – PEACE RALLY DOCUMENTATION
15		7	SANSKRIT CLUB	SANSKRIT DAY
16		8	PHYSICAL EDUCATION	ANNUAL SPORTS DAY
17		15		INDEPENDENCE DAY / ONAM CELEBRATION CLASS 12
18	SEPTEMBER	14	HINDI CLUB	HINDI DAY
19		15		OZONE DAY CLASS 9
20		20		KALOLSAVAM CLASS 11
21	OCTOBER	2	NSS , JRC, HARMONY CLUB	SEVANAVARAM OCTOBER 2 TO 8
22		9		WORLD POST DAY CLASS 1
23		13	PHYSICAL EDUCATION	STATE SPORTS DAY DOCUMENTATION
24		15	ENGLISH CLUB	WORLD STUDENT’S DAY DOCUMENTATION
25	NOVEMBER	1	SOCIAL CLUB & MALAYALAM CLUB	KERALA PIRAVI
26		14		CHILDREN’S DAY CLASS 4
27	DECEMBER	3		CHRISTMAS CELEBRATION CLASS +1
28		22	MATHS CLUB	RAMANUJAN DAY
29	JANUARY	2026		ANNUAL DAY

Conclusion

The year 2025–26 has been a meaningful journey for Bharathamatha HSS, marked by academic progress, cultural achievements, and community involvement. Our **students** have grown in knowledge and character, guided by the commitment of our **teachers** and supported by our dedicated **non-teaching staff**.

The **PTA** and **alumni** have been pillars of strength, fostering unity and growth within the school community. Together, we now look forward with a clear **master plan**—focused on innovation, development, and excellence.

With shared vision and teamwork, Bharathamatha HSS is well on the path to a successful and inspiring future.