

SUBJECT : HEALTH & PHYSICAL EDUCATION

| S.NO. | MONTH | NAME OF THE LESSON |
|-------|-----------|---|
| 1. | APRIL | Athletics |
| 2. | MAY | Swimming |
| 3. | JULY | Invasion Games (A) Basketball |
| 4. | AUGUST | B. Kabaddi |
| 5. | SEPTEMBER | C. Football |
| 6. | OCTOBER | Net Games (A) Badminton |
| 7. | NOVEMBER | B. Lawn Tennis (C) Volleybal |
| 8. | DECEMBER | <u>HEALTH & FITNESS</u> YOGA |
| 9. | JANUARY | Athletics |
| 10. | FEBRUARY | Basketball |

SYLLABUS BREAK UP FOR THE SESSION 2019-20 (CLASS 12TH)

SUBJECT : ENGLISH

OVERALL OBJECTIVES

1. To enable the learner to communicate effectively and appropriately in real life situations.
2. To develop interest in and appreciation of literature.
3. To develop an integrate the use of four language skills that is reading, speaking, listening and writing.

a) Receptivity:

Reading Skills

- * The ability to read English with understanding.
- * Locate significant points and features.
- * Draw inferences, predict outcome
- * Comment on the passage read.

LISTENING SKILLS

- * The ability to understand English when it is spoken.
Follow directions given orally.
Follow simple narrative and description.
Grasp the substance and central idea of what is heard.

B) EXPRESSION

SPEAKING SKILLS

- * The ability to speak intelligibly.
- * Use appropriate word stress and sentence stress.
- * Put ideas in proper sequence.
- * Use polite expressions in appropriate ways.

WRITING SKILLS

- * The ability to write English correctly.
- * Master the mechanics of writing, the use of correct punctuation marks and capital letters.
- * Spell words correctly, use appropriate vocabulary, use correct

grammatical items.

* Write coherently in more than one paragraph

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|-------|-------|--|
| 1. | APRIL | FLAMINGO L-1 The Last Lesson Poem-1 My Mother at Sixty Six WRITING : Notice, Advertisement (Classified) VISTAS- L-1 The Third level |
| 2. | MAY | FLAMINGO L-2 : Lost Spring Poem 2 An Elementary School Classroom, in a Slum VISTAS L-2 The Tiger King WRITING : Invitation and Replies (Formal) |
| 3. | JUNE | WRITING Letters (Official & Business), Letter to Editor READING : Note making ASL : Practice for Speaking (Speech) |
| 4. | JULY | FLAMINGO L-3 Deep Water, Poem 3: Keeping Quiet VISTAS : L-3 Journey to the End of the Earth WRITING : Letter to Editor, Poster |

SUBJECT : WORK EDUCATION

| S.NO. | MONTH | NAME OF THE LESSON |
|-------|-----------|--|
| 1. | APRIL | Political Issues : Poster making on political issues of 2019 with mix media (Group Activity) |
| 2. | MAY | Save Our Culture and tradition : Under this activity students of each section making craft. |
| 3. | JULY | Stone painting Students can paint stones according to their choice. They can paint land scapes patterns etc. On stone with acrylic or oil paint. |
| 4. | AUGUST | Our Country and our responsibility : Under this activity students can make collage work with tearing of newspaper and magazines. Students can create their work on nationality |
| 5. | SEPTEMBER | Your Dream Destination : Under this activity students can make a painting on canvas on their dream. They can draw a destination according to their dreams where they eager to go. |
| 6. | OCTOBER | Conserve wild life : Students of each sections make a sketch an endangered species or make a poster on this topic |
| 7. | NOVEMBER | Visit to M.I. Room , in this activity students of each section will visit to MI Room through this all students can learn the skills of first aid on emergency situations. |
| 8. | DECEMBER | Swatch Bharat Abhiyaan , Field Work |
| 9. | JANUARY | GO GREEN : Poster Making on save Environment. |
| 10. | FEBRUARY | Best out of waste : Students of each sections can create/ make a craft with their own creativity with different waste products. |

| | | |
|-----|----------|---|
| | | (HYMN) Raga Kafi * Introduction * Aroh, Avroh, Pakar, Sthai & Antra with Taans |
| 6. | OCTOBER | Patriotic song, Kehrwa Taal on hands, Raga Bhairav * Introduction * Aroh, Avroh, Pakar, Sthai & Antra with Taans, Diwali Song |
| 7. | NOVEMBER | Devotional Song (Sufi), Devotional Song (Shabad), Regional Song / Dogri, Folk Song |
| 8. | DECEMBER | Christmas Song/ Carols |
| 9. | JANUARY | Patriotic Song |
| 10. | FEBRUARY | Revision |

SUBJECT : CLASSICAL DANCE KATHAK

| S.NO. | MONTH | NAME OF THE LESSON |
|--------------|--------------|---|
| 1. | APRIL | Two "Chakardhar Tihai" in Teen Taal's Madhya Laya |
| 2. | MAY | "Paltas" in Teen Taal's Drut Laya |
| 3. | JULY | 9 Matra's and 16 Matra's "Thaat" in Teen Taal's Vilambit laya |
| 4. | AUGUST | Different movements in Teen Taal's Drut laya One "Toda" in Drut Laya |
| 5. | SEPTEMBER | One "Tihai" in Teen Taal's Drut laya |
| 6. | OCTOBER | Fusion of "Kathak" and "Bharatanatyam" on Classical music |
| 7. | NOVEMBER | One "Gat Bhava" in Teen Taal's Drut laya |
| 8. | DECEMBER | "Paltas" in Teen Taal's Drut laya One Chakardhar" Tukra in Drut laya |
| 9. | JANUARY | One light composition on classical music |
| 10. | FEBRUARY | Practise of Tukras, Thaata, Tihai, Paltas and Gat Bhava in Drut Laya |

| | | |
|----|------------------|---|
| 5. | AUGUST | FLAMINGO L-4 The Rattrap, L-5 : Indigo Poem 4 : A thing of beauty VISTAS : L-4 The Enemy WRITING : Article and Report Writing ASL : Practice for Speaking (Debate Competition) |
| 6. | SEPTEMBER | FLAMINGO : L-6 Poets and Pancakes L-7 The Interview Poem 5 : The Roadside Stand WRITING : Debate and Speech Writing letter for job, Application to the Principal |
| 7. | OCTOBER | FLAMINGO : Poem 6 : Aunt Jennifer's Tigers VISTAS : L-5 Should Wizard Hit the Mommy? WRITING : Informal Invitations and Replies |
| 8. | NOVEMBER | FLAMINGO L-8 : Going Places VISTAS : L-7 : Evan Tries an O-Level L-8 Memories of Childhood WRITING : Practice for all Writing Activities ASL : Practice for Speaking and Listening |

9. **DECEMBER PRACTICE OF COMPLETE SYLLABUS**
10. **JANUARY** Revision of complete syllabus and class tests.
11. **FEBRUARY** Revision and class tests.

SYLLABUS FOR CYCLE TEST-I

- Flamingo : L-1 The last lesson
L-2 Lost spring
P-1 My Mother at sixty six
P-2 (An Elementary School Classroom....)
- Vistas : L-1 The Third Level
L-2 The Tiger King
- Writing : Notice, Advertisement (Formal), Invitation (Formal)
- Reading : Comprehension Passage

SYLLABUS FOR HALF YEARLY EXAMINATION

- Flamingo : L-3 Deep Water
L-4 Rattrap
L-5 Indigo
P-3 Keeping Quiet
P-4 A Thing of Beauty
- Vistas : L-3 The Journey to the End of the Earth
L-4 The Enemy
- Writing : Letter to Editor, Letter for Job, Article, Report, Speech, Debate Poster
- Reading : Comprehension Passage, Note Making
- ASL : Assessment of Speaking and Listening
Including the Syllabus of Cycle Test-I

7. **NOVEMBER** Unit-5 Human Settlements
8. **DECEMBER** Unit-5 Human Settlements
9. **JANUARY** Revision
10. **FEBRUARY** Revision

SYLLABUS FOR CYCLE TEST-I

Unit-6 : People

SYLLABUS FOR (HALF YEARLY EXAMINATION)

- Unit-6 : People
- Unit 7: Human Settlements
- Unit 8: Resource and Development
- Unit 9: Transport, Communication and International Trade
- Unit 10 : Geographical Perspective on selected issues and problems

SYLLABUS FOR PRE-BOARD-1

Full Syllabus

SYLLABUS FOR PRE-BOARD-2

Full Syllabus

SUBJECT : VOCAL MUSIC

- | S.NO. | MONTH | NAME OF THE LESSON |
|-------|------------|---|
| 1. | APRIL | Alankar (First Four), Devotional Song (Bhajan), Regional Language Song (Dogri), National Anthem |
| 2. | MAY | Raga Bilawal Introduction, Aroh, Avroh, Pakar, Sthai & Antra with Taans |
| 3. | JUNE +JULY | Alankar (Five to Ten) with Tabla on Teentaal |
| 4. | AUGUST | Patriotic Song (Two), Teental on hands, Raga Yaman *Introduction * Aroh, Avroh, Pakar, Sthai & Antra with Taans |
| 5. | SEPTEMBER | Dadra Taal on hands, Devotional Song |

SUBJECT : GEOGRAPHY

OBJECTIVES OF GEOGRAPHY :

1. Familiarise with key concepts, terminology and core principles of Geography
2. List /describe what students might see, hear, smell at a place.
3. Describe locations and correlate with Geographical perspectives.
4. Compare conditions and connections in one place to another.
5. Describe and interpret the spatial pattern features on a thematic map.
6. Apply geographical knowledge and methods of inquiry to emerging situations or problems at different levels-local, regional, national and global.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|--------------|--------------|--|
| 1 | APRIL | Unit-6 : People |
| 2 | MAY | Unit 7: Human Settlements Unit 8 : Resources and Development |
| 3. | JUNE + July | Unit 9 Transport, Communication and International Trade |
| 4 | AUGUST | Unit 10 Geographical Perspective on Selected issues and problems |
| 5 | SEPT. | Unit 1 Human Geography Unit 2 People |
| 6. | OCTOBER | Unit 3 : Human Activities Unit 4 Transport, Communication and Trade |

PRE BOARD-I

| | | |
|----------|---|---|
| Flamingo | : | L-6 Poets and Pancakes L-7 The Interview L-8 Going Places P-5 The Roadside Stand P-6 Aunt Jennifer's Tigers |
| Vistas | : | L-5 Should Wizard Hit Mommy? L-6 On the Face of It L-7 Evan tries an O-Level L-8 Memories of Childhood |
| Writing | : | All Writing Activities |
| Reading | : | Comprehension Passages for Questions and Note Making Including the Syllabus of Half Yearly |

PRE BOARD-II

| | | |
|----------|---|---|
| Flamingo | : | All chapters and all poems |
| Vistas | : | All Chapters |
| Writing | : | Complete Syllabus of all writing activities |
| Reading | : | Comprehension Passages for Questions and for Note Making. |

SUBJECT :MATHS

OBJECTIVES

The learner will be able to

1. Develop a positive attitude towards learning mathematics.
2. Perform mathematical operations and manipulations with confidence, speed and accuracy.
3. Think and reason precisely, logically and critically in any given situation.
4. Develop investigative skills in mathematics
5. Identify, symbolise and use mathematical relationship in everyday life.

6. Comprehend, analyse, synthesise, evaluate and make generalizations so as to solve mathematical problems.
7. Collect, organise, represent, analyse, interpret data and make conclusions from its results.
8. Apply mathematical knowledge and skills to familiar and unfamiliar situations.
9. Appreciate the role, value and use of mathematics in society.
10. Develop willingness to work collaboratively.
11. Communicate mathematical ideas.

S.NO. MONTH NAME OF THE LESSON/TOPIC

| | | | |
|-----|------------------|---|--|
| 1 | APRIL | : | Continuity and Differentiability |
| 2 | MAY | : | Application of Derivatives |
| 3 | JUNE + JULY | : | Indefinite Integral |
| 4 | AUGUST | : | Definite Integral |
| | | : | Application of Integrals |
| 5 | SEPTEMBER | | Differential Equations Relations and Functions |
| 6 | OCTOBER | : | Vector's Algebra Three Dimensional Geometry Linear Programming |
| 7 | NOVEMBER | : | Probability Matrices and Determinants Inverser Trigonometric Functions |
| 8. | DECEMBER | | Revision/ First Book |
| 9. | JANUARY | | Revision/ Second Book |
| 10. | FEBRUARY | | Test Series |

SYLLABUS FOR CYCLE TEST-I

- 1) Continuity and Differentiability
- 2) Application of Derivative

SYLLABUS FOR HALF YEARLY

- 1) Integrals

| | | | |
|----|----------|-------|---|
| | | | ix) Kings and Chronicles |
| 5 | SEPT. | x) | Colonialism and the countryside |
| | | xi) | Rebels and Raj |
| | | xii) | Colonial cities |
| 6. | OCTOBER | xiii) | Mahatma Gandhi and the Nationalist movement |
| 7. | NOVEMBER | xiv) | Understanding Partition |
| | | xv) | Framing the Constitution |
| 7 | DECEMBER | i) | Map Work |
| | | ii) | Project Work |
| 8 | JANUARY | | Project Work and Revision |
| 9 | FEBRUARY | | Final Practical and Doubt Clearing Session |

SYLLABUS FOR CYCLE TEST-I

- i) Bricks, Beads and Bones
- ii) Kings, Farmers and towns
- iii) Early Societies, Kinships, Farmers and towns

SYLLABUS FOR (HALF YEARLY EXAMINATION)

- i) Bricks, Beads and Bones
- ii) Kings, Farmers and towns
- iii) Early Societies, Kinships, Farmers and towns
- iv) Thinkers, Beliefs and Buildings
- v) Through the eyes of travellers
- vi) Bhakti-Sufi traditions
- vii) An Imperial Capital :Vijay Nagar

PRE BOARD-1

Complete Syllabus

PRE BOARD-2

Complete Syllabus

SUBJECT : HISTORY

OBJECTIVES OF HISTORY :

1. To emphasize to students that history is a critical discipline, a way of knowing about the past, rather than just a collection of facts.
2. The syllabus would also enable students store/relate/ compare developments in different situations, analyze connections between similar processes located in different time periods.
3. The treatment of each theme in class XII would be included.
 - * An overview of the theme under discussion
 - * A more detailed focus on one region of study.
 - * An introduction to a critical debate associated with the issue.
4. Each theme in XII will also introduce the students to one type of source for the study of history.
5. In the text book each theme would be located in a specific time and place.
6. Plotting the specific within time line.
7. Discussing that particular event or process in relation to development in other places and other times.

| S.NO. | MONTH | | NAME OF THE LESSON/TOPIC |
|--------------|--------------|-------|--|
| 1 | APRIL | i) | Bricks, Beads and Bones; The Harappan Civilization |
| | | ii) | Kings, Farmers and Town |
| 2 | MAY | iii) | Early Societies- Kingships, Farmers and towns |
| | | iv) | Thinkers, Beliefs and Buildings |
| | | v) | Through the eyes of Travellers |
| 3. | JUNE + JULY | vi) | Bhakti-Sufi Traditions |
| 4 | AUGUST | vii) | An Imperial Capital: Vijaynagar |
| | | viii) | Peasants, Zamindars and the State. |

- 2) Application of Integrals
- 3) Differential Equations

PRE-BOARD-1

Complete Syllabus

PRE-BOARD-2

Complete Syllabus

SUBJECT : PHYSICS

OBJECTIVES OF CURRICULUM OF PHYSICS

Physics is a natural science based on experiments, measurements and mathematical analysis with the purpose of finding quantitative physical laws for everything.

The curriculum of Physics attempts to

1. Strengthen the concepts developed at the secondary stage to provide firm foundation for further learning in the subject.
2. Expose the learners to different processes used in Physics related industrial and technological applications.
3. Develop process-skills and experimental, observational, manipulative, decision making and investigatory skills in the learners.
4. Develop conceptual competence in the learners and make them realize and appreciate the interface of Physics with other disciplines
5. Develop the ability of the students to conduct, observe, analyse and report an experiment.
6. Develop the ability of the students to deal with physical models and formulas mathematically.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|--------------|--------------|--|
| 1 | APRIL | Ch-1 Electric Field and Charges Ch-2 Electric Potential and Capacitance |
| 2 | MAY | Ch-3 Current Electricity Ch-4 Moving Charges and Magnetism |
| 3. | JUNE | Ch-4 Contd. |

| | | |
|-----|------------|--|
| | | Ch 5 Magnetism and Matter |
| 4 | JULY | Ch-6 Electromagnetic Induction |
| 5 | AUGUST | Ch-7 Alternating Current |
| 6 | SEPTEMBER. | Ch-8 E.M. Waves |
| | | Ch-9 Ray Optics and Instruments |
| 7 | OCTOBER | Ch-10 Wave Optics |
| | | Ch-11 Dual Nature of Matter and Radiations |
| 8 | NOVEMBER | Ch-12 Atoms |
| | | Ch-14 Electronic Devices |
| 9 | DECEMBER | Ch-15 Nuclei |
| 10. | JANUARY | Remedial Classes+ Revision Work |
| 11. | FEBRUARY | Revision Work |

SYLLABUS FOR CYCLE TEST-I

Ch-1 Electric Charges and Fields
 Ch-2 Electric Potential and Capacitance
 Ch-3 Current Electricity

SYLLABUS FOR HALF YEARLY EXAM

Ch-1 Electric Charges and Fields
 Ch-2 Electric Potential and Capacitance
 Ch-3 Current Electricity
 Ch-4 Moving Charges and Magnetism
 Ch-5 Magnetism and Matter
 Ch-6 EMI
 Ch-7 AC
 Ch-8 Electromagnetic Waves

SYLLABUS FOR PRE BOARD -I

Chapter 1 to 8 (Complete)
 Ch-9 Ray Optics
 Ch-10 Wave Optics

| | | | |
|----|----------|-----|--|
| 6 | SEPT. | 7 | Security in the contemporary world |
| | | 8 | Environment and Natural Resources |
| | | 14 | Challenges to the restoration of the congress system |
| 7 | OCTOBER | 9. | Globalization |
| | | 15. | The Crisis of Democratic order |
| | | 16 | The Rise of Popular Movements |
| 8. | NOVEMBER | 17 | Regional Aspirations |
| | | 18 | Recent Development in India Politics |
| 9 | DEC+ JAN | | Revision of Part A and Part B |
| 10 | FEBRUARY | | Revision |

SYLLABUS FOR CYCLE TEST-I

- i) Cold War Era
- ii) The End of the Bipolarity
- iii) US Hegemony in world Politics
- iv) Alternative Centres of Power
- x) Challenges to the restoration of the congress system

SYLLABUS FOR (HALF YEARLY EXAMINATION)

- xi) Era of one party dominance
- xii) Politics of planned Development
- xiii) India's external relations
- xiv) Challenges to and the Restoration of the Congress System
- xv) Contemporary South Asia (Syllabus of Cycle Test-I included in Half yearly)

PRE BOARD -I

Full Syllabus as per Board Exam

PRE BOARD -II

Full Syllabus as per Board Exam

SYLLABUS FOR PRE BOARD -1

From Unit I to VIII

SYLLABUS FOR PRE BOARD -2

I to X Units

SUBJECT : POLITICAL SCIENCE

Indian Constitution at work

1. Enable students to understand the historical processes and the circumstances.
2. Provide opportunity for students to become familiar with the diverse versions that guided the makers of the Indian constitution.
3. Enable students to identify certain very features of the constitution.
4. Analyse the ways in which the provisions of the constitution have worked in real political life.

POLITICAL THEORY

1. Develop the skills for logical reasoning and abstraction.
2. Introduce students the different political thinkers.
3. Encourage the students to analyse any unexamined prejudices that may have inherited.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|-------|---------------|--------------------------------------|
| 1 | APRIL | 1. Cold War Era |
| | | 2 The End of the Bi-Polarity |
| | | 3 US Hegemony in World Politics |
| 2. | MAY | 4 Alternative centres of Power |
| | | 10 Challenges of the Nation Building |
| 3 | JUNE+ JULY | 11. Era of one party dominance |
| | | 12. Politics of Planned Development |
| 4 | AUGUST | 5. Contemporary South Asia |
| | | 6 International Organisations |
| | | 13 India's External Relations |

Ch-11 Dual Nature of Matter and Radiations

Ch-14 Electronic Devices

SYLLABUS FOR PRE BOARD -II

Complete Syllabus Ch-1 to Ch-14

SUBJECT : CHEMISTRY

Higher Secondary is the most crucial stage of school education. Therefore, there is a need to provide learners with sufficient conceptual background of chemistry. The new and updated curriculum is based on disciplinary approach with rigour and depth taking care that the syllabus is not heavy.

OBJECTIVES : The curriculum of chemistry at Sr. Secondary stage aims to

1. Promote understanding of basic facts and concepts in chemistry while retaining the excitement of chemistry.
2. Make students capable of studying chemistry in academic and professional courses at tertiary level.
3. Develop problem solving skills in students.
4. Acquaint students with different aspects of chemistry used in daily life.
5. Develop an interest in students to study chemistry as a discipline.
6. Integrate life skills and makes in the context of chemistry.
7. Integrate practical skills while performing practicals in the practical lab.

| S.NO. | MONTH | NAME OF THE LESSON/TOPICS |
|-------|-------|--|
| 1 | APRIL | : Unit-1 Solutions |
| | | : Unit-2 Electrochemistry |
| 2 | MAY | : Unit-3 Chemical Kinetics |
| 3 | JUNE | : Unit-4 Surface Chemistry |
| | | Unit-5 General Principles and Processes of Isolation of Elements |
| | | Unit XV : Chemistry in everyday life |

4. JULY : Unit-IX Haloalkanes and Haloarenes
 5. AUGUST : Unit-X Alcohols, Phenols and Ethers
 Unit XI : Aldehydes, Ketones and Carboxylic Acids
 6. SEPTEMBER. Unit XII : Organic compounds containing Nitrogen
 Unit XIII : Biomolecules
 7. OCTOBER Unit XIV : Polymers
 Unit VIII : Coordination Compounds
 8. NOVEMBER : Unit VII : d and f-block elements
 9. DECEMBER **IST WEEK & IIND WEEK** : Pre Board
IIIRD & IVTH WEEK : p-block elements discuss
 important topics will discuss in the class
 10. JANUARY **IIIRD & IVTH WEEK** :
 PRe- Board IInd
 11. FEBRUARY **IST & 2ND WEEK** : Practical and doubt clearing session

SYLLABUS FOR CYCLE TEST-I

Unit I Solution

Unit II Electrochemistry

SYLLABUS (HALF YEARLY EXAMINATION)

Unit I Solution

Unit II Electrochemistry

Unit III Chemical Kinetics

Unit IV Surface Chemistry

Unit V General Principles and Process of Isolation of Elements

Unit IX Haloalkanes and Haloarenes

Unit X Alcohols, Phenols and Ethers

Unit XI Aldehydes, Ketones and Carboxylic acids

PRE BOARD -I

Unit I Solution

Unit II Electrochemistry

(i) their own health (ii) health of their family members and (iii) health of those around the community, seeking help when required from available community resources.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|-------|----------|---|
| 1 | APRIL | 1. Planning in sports |
| 2 | MAY | 2. Sports and Nutrition |
| 3. | JUNE | 3. Yoga and lifestyle |
| 4. | JULY | 4. Physical Education and Sports for Children with special needs (CWNS) |
| 5 | AUGUST | 5. Children and women in Sports |
| 6 | SEPT. | 7. Test and Measurement in Sports |
| 7 | OCTOBER | 8. Physiology and injuries in sports 9. Biomechanic and Sports |
| 8. | NOVEMBER | 9 Psychology and Sports |
| 9 | DECEMBER | 10 Training in Sports |

SYLLABUS FOR CYCLE TEST-I

Unit-1 Planning in Sports

Unit-2 Sports Nutrition

SYLLABUS FOR (HALF YEARLY EXAMINATION)

Unit-1 Planning in Sports

Unit-2 Sports Nutrition

Unit-3 Yoga and Life Style

Unit-4 Physical Education of CWSN

Unit-5 Children and Women in Sports

education for the total human being.

The objectives of physical and Health Education:-

1. To bring the overall awareness of values and to inculcate among students the desired habits and attitudes towards health and to raise their health status;
2. To make the pupil physically, mentally and emotionally fit and to develop their personal and social qualities that will help them to be good human beings;
3. To develop a scientific point of view regarding health and physical education.
4. to identify personal, family and community health problems and acquire relevant scientific knowledge and information to prevent and control, these problems to stay health.
5. To promote improved preventive and promotive self care behaviour in the families and community.
6. To develop an awareness of HIV, AIDS, and drug abuse in the community.
7. To develop an awareness regarding the importance of physical fitness and organic efficiency in individual and social life.
8. To develop awareness regarding transfer of fundamental processes to physical activities of one's choice;
9. To develop interest in exercise, sports and games for self satisfaction and making to a part of life.
10. To enable an individual to enhance inner qualities- as self-mastery, discipline, courage, confidence and efficiency.
11. To enable the individual to display a sense of responsibility patriotism, self sacrifice and service to the community in a better way.
12. To develop awareness of good posture so that one may strive to maintain a good posture; to enable an individual to lead an enthusiastic and active life.
13. To develop awareness of the importance of self defense and self dependence.
14. To enable an individual to practice socially acceptable behaviour patterns in an impressive manner.
15. To take action individually and collectively to protect and promote

Unit III Chemical Kinetics

Unit IV Surface Chemistry

Unit V General Principles and Process of Isolation of Elements

Unit IX Haloalkanes and Haloarenes

Unit X Alcohols, Phenols and Ethers

Unit XI Aldehydes, Ketones and Carboxylic acids

Unit XII Organic compounds containing nitrogen

Unit XIII Biomolecules

Unit XIV : Polymers

Unit XV : Chemistry in everyday life

Unit VII : d and f block elements

PRE BOARD -II

Complete Syllabus (Complete)

SUBJECT : BIOLOGY

OBJECTIVES : The Science which deals with the study of structure, organization, life processes, interactions, origin and evolution of living organism is biology. Biology is both fascinating and fun to study at the school level especially when connected to every day life.

1. The students will be able to read, understand and critically interpret the biological literature.
2. The subject of biology piques intellectual curiosity, increases awareness of the fragile ecosystem.
3. The value of teaching biology should focus on the importance of appreciating the natural world and protecting planet earth.
4. Studying biology allows students to understand the living system of the body and apply the knowledge in direct way to maintain the physical health.
5. Biology will enable them to understand relationship between living organism and to notice what is beneficial and what is imbalance and toxic.

PRACTICAL AIM

Student should be able to test theories developed about biotic

and abiotic components by utilizing the scientific method and then to apply the new information in a beneficial way.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|-------|---------------|---|
| 1 | APRIL | Reproduction in Organisms Sexual Reproduction in Flowering Plants Human Reproduction |
| 2 | MAY+ JUNE | Reproductive Health Principles of Inheritance and Variation |
| 3. | JULY + AUGUST | Molecular Basis of Inheritance Evolution |
| 4 | SEPTEMBER | Human Health and Diseases Strategies for enhancement in food production Microbes in Human Welfare |
| 5 | OCTOBER | Biotechnology-Principles and Processes Biotechnology and its applications |
| 6 | NOVEMBER | Organisms and Population Ecosystem Biodiversity and its conservation Environmental Issues |
| 7 | DECEMBER | Revision |
| 8. | JANUARY | Practical Revision Pre-Board-II |
| 9. | FEBRUARY | Revision |

SYLLABUS FOR CYCLE TEST-I

1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants
3. Human Reproduction

SYLLABUS FOR (HALF YEARLY EXAMINATION)

1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants

8. DECEMBER Unit-8 Dev. Experience of India
9. JANUARY Revision of Full Syllabus
10. FEBRUARY Revision of Full Syllabus
- 8 PROJECT WORK : It is done on any topic selected by students from the Book

SYLLABUS FOR CYCLE TEST-I

Unit-1 National Income and Related Aggregates

SYLLABUS FOR (HALF YEARLY EXAMINATION)

Unit-1 National Income

Unit-2 Money and Banking

Unit-3 Determination of Income and Employment

Unit-4 Govt. Budget

Unit-5 Balance of payment and Foreign Exchange Rate

SYLLABUS FOR PRE-BOARD-1

Full Syllabus

Book-1 Macro Economics

Book-2 Indian Economic Development

SYLLABUS FOR PRE-BOARD-2

Full Syllabus

Book-1 Macro Economics

Book-2 Indian Economic Development

SUBJECT : PHE

RATIONALE

Health and physical education is concerned with total health of the learner and the community besides physical health, it includes mental, social and emotional health of the learners. WHO defines health as a state of physical, mental and social well being and not merely the absence of diseases or infirmity . The aim of health and physical education is to enable the students to attain such a state of health that, it becomes an

3. To develop an interest in the theory and practice for economics in daily life.
4. To enable students to act more effectively as consumers and citizens.

OBJECTIVES OF THE PROJECT WORK

1. Probe deeper into theoretical concepts learnt in class XII
2. Analyse and evaluate real world economic scenarios using theoretical constructs and arguments.
3. Demonstrate the learning of economic theory.
4. Follow up aspects of economics in which learners have interest.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|--------------|--------------|---|
| 1 | APRIL | UNIT-1 National Income and Related Aggregates UNIT-2 Money and Banking |
| 2 | MAY | UNIT-2 : Money and Banking UNIT-3 : Determination of Income and Employment |
| 3. | JUNE+JULY : | UNIT-4 Govt. Budget |
| 4 | AUGUST | UNIT-5 Balance of payment and Foreign exchange rate |
| 5 | SEPT. | UNIT-6 : Economic Reforms since 1991 |
| 6 | OCTOBER | UNIT-7 : Current Challenges facing Indian Economy |
| 7. | NOVEMBER | UNIT-7 Current challenges facing Indian Economy Unit-8 Development Experience of India |

3. Human Reproduction
4. Reproductive Health
5. Principles of inheritance and variation
6. Molecular Basis of Inheritance
7. Evolution

PRE-BOARD-1

1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants
3. Human Reproduction
4. Reproductive Health
5. Principles of inheritance and variation
6. Molecular Basis of Inheritance
7. Evolution
8. Human Health and Diseases
9. Strategies for Enhancement in Food Production
10. Microbes in Human Welfare
11. Biotechnology-Principles and Processes
4. Biotechnology and its applications

PRE-BOARD-2

Complete Syllabus

SUBJECT : COMPUTER

Aims, Objectives & Importance of Teaching Computer Science

Aims

- To produce programmers equipped with an understanding of
- fundamental computational concepts underlying most programming languages
 - a range of problem solving techniques using computers
 - the role of programming within the overall software development process

- the solution of small problems using a programming language
- independent and self-motivated study in Computing Science.

OBJECTIVES

On completion of the course, the student should

KNOWLEDGE - Know about:

- testing strategies
- techniques for solving problems
- basic computational concepts and elementary data structures
- the edit-compile-link-run cycle from a user point of view
- the main activities of software development and their interactions, and some of the major problems of software development

SKILLS - be able to:

- hand-execute simple programs, showing how input data is processed, output data is produced, and how the values of internal variables change.
- explain at various levels the behaviour of fragments of programming language code
- amend existing programs to adjust or correct their functionality.
- translate well-structured plans into working programs .
- analyse simple problems involving text, numbers and graphics, producing a top-level plan with refinements.
- use the error messages of the compiler to identify and correct mistakes in program syntax
- use testing strategies to identify and correct semantic errors in programs

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|--------------|--------------|---------------------------------|
| 1 | APRIL | 1. Object Oriented Programming |
| 2 | MAY | 2. Data Base and SQL |
| 3. | JUNE | 3. Data Base and SQL Contd. |

- 7 DECEMBER 14. Revision
- 8 JANUARY Revision
- 9. FEBRUARY Revision

SYLLABUS FOR CYCLE TEST-I

Ch-1. Nature and Significance of Management

Ch-2. Principles of Management

Ch-3. Business Environment

SYLLABUS FOR (HALF YEARLY EXAMINATION)

Ch-1. Nature and Significance of Management

Ch-2. Principles of Management

Ch-3. Business Environment

Ch-4. Planning

Ch-5 Organising

Ch-6 Staffing

Ch-7 Directing

Ch-8 Controlling

SYLLABUS FOR PRE BOARD I & II

Complete syllabus as CBSE Board Examination

SUBJECT : ECONOMICS

OBJECTIVES OF ECONOMICS : Economics is one of the social sciences, which has great influence on every human being. The economics courses will help the students to develop skill to observe and understand the economic realities.

OBJECTIVES OF THEORY:

1. Understanding of basic economic concepts and development of economic reasoning which the learners can apply in their day to day life as consumers.
2. Realisation of learner's role in nation building and sensitivity to the economic issues that the nation is facing today.

SUBJECT : BUSINESS STUDIES

1. To develop students with an understanding of the processes of business and its environment.
2. To acquaint students with the dynamic nature and inter-dependent aspects of business.
3. To develop an interest in the theory and practice of business, trade and industry.
4. To familiarize students with theoretical foundations of the process of organising and managing the operations of a business firm:
5. To help students appreciate the economic and social significance of business activity and the social cost and benefits arising there from;
6. To acquaint students with the practice of managing the operations and resources of business.
7. To enable students to act more effectively and responsibly as consumers, employers, employees and citizens
8. To develop a business attitude and skills in students.

| S.NO. | MONTH | NAME OF THE LESSON/TOPIC |
|--------------|--------------|---|
| 1 | APRIL | 1. Nature and Significance of Management 2. Principles of Management |
| 2 | MAY | 3. Business Environment 4. Planning |
| 2 | JUNE/JULY | 5. Organizing |
| 3 | AUGUST/ | 6. Staffing 7. Controlling |
| 4. | SEPT. | 7. Directing |
| 5 | OCTOBER | 9. Financial Management 10. Financial Markets |
| 6. | NOVEMBER | 11. Consumer Protection 12. Marketing Management |

| | | |
|----|----------|-------------------------------------|
| 4 | JULY | 4. Object Oriented Programme |
| 5 | AUGUST | 5.. Data Structure |
| 6 | SEPT. | 6. Data Structure and oop's |
| 7 | OCTOBER | 7. Data Structure and Error Finding |
| 8 | NOVEMBER | 7 OOP's & Error Finding |
| 9 | DECEMBER | Revision + Pre Board-1 |
| 10 | JANUARY | File handling and Pre Board-2 |
| 11 | FEBRUARY | Doubt Clearing Session |

SYLLABUS FOR CYCLE TEST-I

oop's
Boolean Algebra

SYLLABUS FOR (HALF YEARLY EXAMINATION)

oop's
Boolean Algebra
Communication and Open Source Concepts
Data base And SQL

SYLLABUS FOR PRE BOARD-1

Boolean Algebra
Data base And SQL
Communication and Open Source Concepts
OOP's
Data Structure

SYLLABUS FOR PRE-BOARD-II

Complete Syllabus

SUBJECT : ACCOUNTS

OBJECTIVES :

1. To familiarise students with new and emerging areas in the preparation and presentation of financial statements of various forms of organisations viz, sole proprietorship, Net-for-profit making org. Partnership Firm and companies.
2. To acquaint students with basic accounting concepts and accounting standards.
3. To develop an understanding about recording, classifying, summarising, interpreting and communicating the results derived out of business transactions during financial year.
4. To help students understanding the importance of consistency and compatibility of results of financial statements spread over different financial years.

| S.NO. | MONTH | NAME OF THE LESSON/TOPICS |
|--------------|----------------------|---|
| 1 | APRIL | 1. Not for Profit Making organizations 2. Basic Concepts |
| 2 | MAY | 3. Basic Concepts |
| 3. | JUNE+JULY | 4. Valuation of Goodwill 5. Change in Ratio |
| 4 | AUGUST + SEPT | 7. Reconstitution of Partnership a) Admission b) Retirement 8. Death 9. Dissolution |
| 5 | OCTOBER | a) Analysis of Financial Statement i) Financial Statements of Companies ii) Common size and comparative Financial Statements iii) Accounting Ratios iv) Cash Flow Statement |

- 6 NOVEMBER 10. Accounting for Companies
- 7 DECEMBER Revision
- 8 JANUARY Revision/ Dount Clearing Session
9. FEBRUARY Final Practical Exam/revisions

SYLLABUS FOR CYCLE TEST-I

1. Not for profit making organizations
2. Basic concepts

SYLLABUS FOR HALF YEARLY EXAMINATION

1. Not for profit making organizations
2. Basic concepts
3. Valuation of Goodwill
4. Change in profit sharing ratio
5. Reconstitution of Partnership Firms

SYLLABUS FOR PRE BOARD-1

1. Not for profit making organizations
2. Basic concepts
3. Valuation of Goodwill
4. Change in profit sharing ratio
5. Reconstitution of Partnership Firms
6. Accounting for companies
7. Analysis of Financial Statements
 - a) Financial statements of companies
 - b) Common size/ Comparative Financial Statements
 - c) Accounting Ratios
 - d) Cash Flow Statement

PRE-BOARD-II

Full Syllabus