



**THE LEXICON SCHOOLS**  
(Wagholi • Hadapsar • Kalyani Nagar)  
Curriculum 2022-23



Class IX  
March 2022

**ENGLISH**

**Literature - Beehive**

**Prose:**

1. The Fun They Had
2. The Sound of Music

**Poetry:**

1. The Road Not Taken
2. Wind

**MATHEMATICS**

NCERT Textbook

LS.1- Number System

- Representation of terminating / non-terminating recurring decimals on the number line through successive magnification

Lab Manual Activity-4-Construction of a Square- Root Spiral

Lab Manual Activities 5-8. Verifying Identities using Unit Cubes (4 Identities)

Art Integrated Activity-Make an artistic square root spiral using your imagination.

**HINDI**

**स्पर्श- गद्य**

2. दुःख का अधिकार

**स्पर्श- पद्य**

9. अब कैसे छूटे...; ऐसी लाल तुझ.....

**संचयन**

1. गिल्लू

**CHEMISTRY**

LS.1: Matter in our surroundings.

Physical nature of matter, characteristics of the particles of matter, states of matter and inter-conversion of the states of matter using temperature and pressure.

**SANSKRIT**

LS.1-Bharateevasantageetih

Grammar - Anuvad , Sarvanam

**BIOLOGY**

LS.5: The Fundamental Unit of Life

Cell-Structural organization of a cell, function of various components of a cell.

**SOCIAL SCIENCE**

**History:**

Section-1: Events and Processes

LS.1- The French Revolution (Unit 1, 2 & 3)

**Democratic Politics:**

LS.1- What is Democracy? Why Democracy? (Overview)

**Geography:**

LS.1-India: Size and Location

**PHYSICS**

LS. 8- Motion

State of Rest and Motion, Uniform and Non-Uniform Motion, Distance and Displacement, Speed and Velocity.

**Economics:**

Is.1-The Story of Palampur  
(Overview & Organisation of Production)

**HEALTH & PHYSICAL EDUCATION**

1. Yoga (Theory and Practise of Asana)
2. Food and Nutrition

**ARTIFICIAL INTELLIGENCE**

Part A Unit-1 Communication Skills-I  
Part B Unit 1: Introduction to Artificial Intelligence  
(AI) Excite & Relate

**Scratch-**

<https://scratch.mit.edu/>

Create an account. Watch the Scratch introduction video.

**Please Note:** English & Hindi Grammar portion is robustly defined by CBSE for Class IX and shall be covered throughout the year. Following is listed below for reference:

English	Hindi
<p><b>Grammar:</b></p> <ol style="list-style-type: none"> <li>1. Tenses</li> <li>2. Modals</li> <li>3. Subject - Verb Concord</li> <li>4. Reported Speech (Commands &amp; Requests, Statements, Questions and Determiners)</li> </ol> <p><i>Accurate use of spelling, punctuation and grammar will be assessed through Gap Filling/ Editing/ Transformation exercises.</i></p> <p><b>Creative Writing Skills:</b></p> <ol style="list-style-type: none"> <li>1. Descriptive Paragraph Writing based on an event/ situation/ person/ Verbal or Visual Clues (Word Limit: 100 -120 words)</li> <li>2. Diary Entry (Word Limit: 100 -120 words)</li> <li>3. Story Writing on the given Title (Word Limit: 100 - 120 words)</li> </ol>	<p><b>व्याकरण:</b></p> <ol style="list-style-type: none"> <li>1. शब्द और पद</li> <li>2. अनुस्वार, अनुनासिक</li> <li>3. उपसर्ग, प्रत्यय</li> <li>4. स्वर संधि</li> <li>5. विराम चिन्ह</li> <li>6. अर्थ की दृष्टि से वाक्य भेद</li> </ol> <p><b>लेखन:</b></p> <ol style="list-style-type: none"> <li>1. संकेत बिन्दुओं पर आधारित अनुच्छेद लेखन (लगभग 120 शब्दों में)</li> <li>2. अनौपचारिक पत्र लेखन (लगभग 120 शब्दों में)</li> <li>3. चित्र वर्णन (घटना या दृश्य का - लगभग 100 शब्दों में)</li> <li>4. संवाद लेखन (लगभग 100 शब्दों में)</li> </ol>



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Class IX  
April 2022

**ENGLISH**

**Literature - Beehive**

**Prose:**

3. The Little Girl

**Poetry:**

3. Rain on the Roof

**Supplementary Reader - Moments**

1. The Lost Child

**HINDI**

**स्पर्श- गद्य**

2. एवरेस्ट - मेरी शिखर यात्रा

**व्याकरण:**

उपसर्ग, प्रत्यय, वर्ण विच्छेद

**लेखन:**

पत्र लेखन, अनुच्छेद लेखन

**MATHEMATICS**

Ls.2- Polynomials

Lab Manual Activity-9

Investigation: VERIFY THE ALGEBRAIC IDENTITY;  
 $a^3-b^3 = (a-b)(a^2 + ab + b^2)$

Ls.3-Coordinate Geometry

Lab Manual Activity-3,11

Art Integrated Activity: Making any one constellation on the chart paper by sticking silver stars on it and then finding out the coordinates of different stars in the constellation.

**CHEMISTRY**

Ls.1: Matter in our surrounding (continued)

Evaporation and the factors affecting it.

Ls.2: Is matter around us pure

Mixtures and various types of mixtures-Solutions, Suspensions and colloids and their characteristics, finding out the concentration of the solution, Homogeneous and non-homogeneous.

Investigation: More about 4th and the 5th state of matter-Plasma and Bose Einstein Condensate respectively.

**Lab Manual (Cordova):**

Experiment 6: To determine the boiling point of water and melting point of ice.

Experiment 1A: To prepare true solutions of common salt, sugar and alum in water

Experiment 1B: To prepare suspensions of soil, chalk powder and fine sand in water

Experiment 1C: To prepare colloidal solutions of starch and egg albumin/milk in water

Experiment 1D: To distinguish between a true solution, colloidal solution and suspension on the

basis of transparency, filtration criterion and stability.

### SANSKRIT

Ls.2 Svarnakakah  
Grammar - Sandhi - Dirgh, yan, Guna, Vriddhi, Ayaddi

### BIOLOGY

Ls.5 The Fundamental Unit of Life (Continued)  
Compare and contrast Prokaryotic and Eukaryotic cell, Plant and animal cell, Cell division.

Investigation: All about Stem cells.

#### Laboratory Manual (Cordova):

Experiment 4A & B: To prepare a stained temporary mount of onion peel (plant cell) and human cheek cell (animal cell) and to record observations and draw the labelled diagram.

### SOCIAL SCIENCE

#### History:

Section-1: Events and Processes

Ls.1-French Revolution (Unit 4,5,6)

Ls.2-Socialism in Europe & the Russian Revolution (Unit- 1)

#### Democratic Politics:

Ls.1- What is Democracy? Why Democracy? (Features, Why Democracy? Broader Meaning)

#### Geography:

Ls.2-Physical Features of India

(Himalayan Mountains & Northern Plains)

Investigation: Benefits of Suez Canal for Indian Trade

#### Economics:

Ls.1- The Story of Palampur (Farming & Different Non-farming Activities)

### PHYSICS

Ls.8- Motion (continued)

Acceleration, Equations of Motion, Graphical Representation of Motion, Uniform Circular Motion

Investigation: Motion of planets (speed)

### HEALTH & PHYSICAL EDUCATION

1. Chakra Asana
2. VajraSana
3. SarvangAsana
4. Halasana

Gymnastics: Hand Stand, Handspring, Handstand Roll

### ARTIFICIAL INTELLIGENCE

Part B- Unit 1: Introduction to AI  
Sub-Unit: Purpose, Possibilities & AI Ethics

Scratch- <https://scratch.mit.edu/>

Explore the different tabs like Motion, Looks, Sound, Events, Control, Sensing, Operators, Variables and see the tutorial videos.

### MUSIC

Beautiful Sunday  
<https://www.youtube.com/watch?v=631PLQd7y5s>

### ART & CRAFT

1. What is Art
2. Elements of Art
3. Perspective Drawing (One-point perspective)



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Class IX  
June 2022

**ENGLISH**

Literature - Beehive

Poetry:

4. The Lake Isle of Innisfree

Supplementary Reader - Moments

2. The Adventure of Toto

**MATHEMATICS**

Ls.4- Linear Equations in 2 Variables

**Deletions:**

- Examples, problems from real life, including problems on Ratio and Proportion and with algebraic and graphical solutions being done simultaneously.

Ls.5- Introduction to Euclid's Geometry

**Deletions:**

- Equivalent versions of the fifth postulate.

**HINDI**

स्पर्श - पद्य

10. दोहे- रहीम

**संचयन:**

2. स्मृति

**व्याकरण:**

अनुस्वार, अनुनासिक

**लेखन:**

संवाद लेखन, संदेश लेखन

**CHEMISTRY**

Ls.2: Is matter around us pure (continued)

Separation techniques for mixtures-evaporation, centrifugation, sublimation, chromatography, distillation (simple and fractional). Physical and Chemical Changes, Pure substances-elements and compounds

**Lab Manual (Cordova):**

Experiment 2A: To prepare a mixture and a compound using iron filings and sulphur powder and distinguish them on the basis of appearance, behaviour towards the magnet, behaviour towards carbon-disulphide as a solvent and effect of heat.

**SANSKRIT**

Ls.3 Godohanam

Ls.4 Kalpataruh

**Grammar-** ParasmaipadiDhatu, Atmanepada Dhatu

**BIOLOGY**

Ls.6: Tissues

Plant tissues: Meristematic and permanent tissues, simple and complex permanent tissues.

**Lab Manual(Cordova):**

Experiment 5A: To identify parenchyma, collenchyma and sclerenchyma tissues in plants from prepared slides and draw well labelled diagrams.

**HEALTH & PHYSICAL EDUCATION**

1. Drill Marching
2. Fitness Exercises & Drills
3. Safety And Security

**PHYSICS**

LS.9: Force and Laws of Motion

Concept of force, Balanced and unbalanced Forces, Laws of Motion: First Law of Motion, Inertia and Mass.

**SOCIAL SCIENCE****History:**

Section-1: Events and Processes

LS.2-Socialism in Europe & the Russian Revolution (Unit 2,3)

**Democratic Politics:**

LS.2- Constitutional Design

**Geography:**

LS.2- Physical Features of India (Plateau, Desert, Coastal Plains, Islands)

**Economics:**

LS.2- People as Resource (Overview, Economic Activities by Men & Women)

**ARTIFICIAL INTELLIGENCE**

Part B- Unit 2: AI Project Cycle

Sub-Unit: Problem Scoping

**Scratch-**

<https://scratch.mit.edu/projects/editor/?tutorial=tell-a-story>

Watch a Video to create a story.

**MUSIC**

Daya Kar Dan

<https://youtu.be/TKal5HBTNrw>

**ART & CRAFT****Still Life**

Still Life Composition  
Objects around us

Believe in Yourself



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Class IX  
July 2022

**English**

**Literature - Beehive**

**Prose:**

4. A Truly Beautiful Mind

**Poetry:**

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**Supplementary Reader - Moments**

3. Iswaran, The Story Teller

**Math**

**NCERT Textbook**

Ls.6-Lines and Angles

**Deletions:**

- (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines.
- (Prove) The sum of the angles of a triangle is 180 degree
- (Motivate) If a side of a triangle is produced, the exterior angle formed is equal to the sum of the two interior opposite angles.

**Lab Activity:-**

1. Basic Paper Folding Activities
10. Vertically Opposite Angles in Intersecting Lines

Ls.7- Triangles

**Deletions:**

- (Motivate) Triangle inequalities and relation between 'angle and facing side' inequalities in triangles.

**Lab Activity:-**

16. Intercepts of Equidistant Parallel lines

**HINDI**

**स्पर्श: गद्य**

4. तुम कब जाओगे - अतिथि

**पद्य:**

11. आदमीनामा (केवल पठन के लिए)

**संचयन:**

4. कुल्लू कुम्हार की उनाकोटी (केवल पढ़ने के लिए)

Investigation: विषेले सर्पों की किन्ही पाँच प्रजातियों का सचित्र वर्णन

**CHEMISTRY**

Ls.3: Atoms and Molecules.

Laws of chemical combination, concept of atoms, molecules and ions, Atomicity, Atomic mass.

**Lab Manual (Cordova):**

Experiment 13: To verify the law of conservation of mass in a chemical reaction.

**SANSKRIT**

Ls.5 SuktiMauktikam

Ls.6 BhrantoBalah

**Grammar:**

Upapad Vibhakti

**BIOLOGY**

Ls.6: Tissues (Continued)

Animal tissues-Epithelial, connective, Muscular and Nervous tissues.

Investigation: पर्यावरण संरक्षण के उपाय

Lab Manual(Cordova):

Experiment 5B: To identify striped (striated), smooth (un-striated), cardiac muscle fibres and nerve cells in animals from the permanent slides and draw well labelled diagrams.

### HEALTH & PHYSICAL EDUCATION

1. Practice for 15th August
2. Theory Class on Fitness
3. Long Jump

### PHYSICS

Ls.9: Force and Laws of Motion(continued)

Laws of Motion: Second Law of Motion, Third Law of Motion, Momentum.

### SOCIAL SCIENCE

#### History:

Section-1: Events and Processes

Ls.2- Socialism in Europe & the Russian Revolution (Unit 4, and 5)

#### Democratic Politics:

Ls.3- Electoral Politics (Introduction, Why Elections, System of Elections)

#### Geography:

Ls.3. Drainage (Concept, Drainage Systems in India, The Himalayan Rivers)

#### Economics:

Ls.2- People as Resources (Quality of Population, Unemployment)

### ARTIFICIAL INTELLIGENCE

Part B- Unit 2: AI Project Cycle

Sub-Unit: Data Acquisition

Part A- Unit 2 : Self-Management Skills-I

Scratch-

[https://scratch.mit.edu/projects/331474033/edit\\_or?tutorial=code-car](https://scratch.mit.edu/projects/331474033/edit_or?tutorial=code-car)

Plan backdrops for the story and lead different sprites in Scratch.

Gain experience with coding loops and variables.

### MUSIC

Follow Your Dreams

<https://youtu.be/Yyy7J60kYfw>

### ART & CRAFT

Natural forms

Flower Shoot

Plants and Trees





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Class IX  
August 2022

**ENGLISH****MATHEMATICS****Literature - Beehive****Prose:**

5. The Snake and the Mirror

**Poetry:**

5. A Legend of the Northland

**Supplementary Reader - Moments**

4. The Kingdom of Fools

**Investigation:** Elaborate on the topic Extinction of Animals. Give examples and mention the causes of their extinction. Mention the possible remedial measures adopted to save the Endangered Species of Animals today.

**NCERT Textbook:**

Ls.8-Quadrilaterals

Lab Activity:-

15. Mid-Point Theorem

18. The Quadrilaterals formed by joining the Mid-points of Quadrilaterals

**Investigation:** Find out the Different Types of Inequalities in various Quadrilaterals

**HINDI****CHEMISTRY****स्पर्श- गद्य:**

5. वैज्ञानिक चेतन के वाहक - चंद्रशेखर वेंकट रामन

**Investigation:** वैज्ञानिक “ चंद्रशेखर वेंकट रामन” की जीवनी से प्रेरित 2 व्याख्यानों का वर्णन जिनका प्रस्तुतीकरण आपकी पाठ्य पुस्तक में न किया गया हो।

**पद्य:**

11. एक फूल की चाह (केवल पढ़ने के लिए)

**व्याकरण:**

संधि

**लेखन:**

नारा (स्लोगन) लेखन, सूचना लेखन

Ls. 3: Atoms and Molecules (continued)

Formulating chemical formulae, Molecular mass, Mole Concept.

**Investigation:** Arrangement of Elements in the Modern Periodic Table.

**Lab Manual (Cordova):**

Experiment 3A: To study the reaction between iron filings and copper sulphate solution and classify as a physical or a chemical change.

Experiment 3 B: To study the reaction when magnesium is burnt in air and classify it as a physical or a chemical change.

Experiment 3C: To study the effect of heat on copper sulphate and identify it as a physical or a chemical change.

Experiment 3D: To study the reaction between aqueous solutions of sodium sulphate and barium chloride and identify as a physical or a chemical change.

Experiment 3E: To study the reaction between zinc and sulphuric acid and identify as a physical or a chemical change.

**SANSKRIT**

LS.7 Pratyabhijna Nam  
Grammar - Pratyay, Dhatu Rupani

**BIOLOGY**

LS.14: Natural Resources.  
Role of atmosphere in climate control, Air and water pollution, Mineral Riches in soil, Water cycle, Biogeochemical cycles-the nitrogen cycle, the oxygen cycle, the carbon cycle, green- house effect, global warming and the ozone layer and the CFC's.  
*[Assignment of the Portfolio on any of the sub-topics from LS.14: Natural Resources]*

Investigation: Harnessing Sustainability

**HEALTH & PHYSICAL EDUCATION**

1. Fitness (Circuit Training)
2. Interval Training Fitness Test
3. Basketball (Shooting, Dribbling)
4. Hurdles
5. Human Body

**PHYSICS**

LS.9: Force and Laws of Motion (continued)  
Law of Conservation of Momentum.

**SOCIAL SCIENCE****History:**

Section-1: Events and Processes

LS.3- Nazism & The Rise of Hitler (Introduction & Unit 1 & 2)

**Democratic Politics:**

LS.3-Electoral Politics (Elections in India)

Investigation: Election Campaign for any party before the Elections

**Geography:**

LS.3. Drainage (The Peninsular Rivers, Lakes, Role of Rivers in the Economy and River Pollution)

**Economics:-****ARTIFICIAL INTELLIGENCE**

Part B- Unit 2: AI Project Cycle

Sub-Unit: Data Exploration

Part A- Unit 3: Information and Communication Technology Skills-I

**Scratch-**

<https://scratch.mit.edu/projects/editor/?tutorial=animate-a-character>

**MUSIC**

Vande Mataram  
<https://youtu.be/LWLJT--KGKQ>

**ART & CRAFT****Natural Forms**

Water Bodies (Seascape)  
Mountainous Scenery



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Class IX  
September 2022

**ENGLISH****MATHEMATICS**

Literature - Beehive

Prose:

6. My Childhood

Poetry: --

Supplementary Reader - Moments

5. The Happy Prince

Revision for Half Yearly Assessment

Revision for Half Yearly Assessment

**HINDI****CHEMISTRY**

स्पर्श:

6. कीचड़ का काव्य

Revision for Half Yearly Assessment

Revision for Half Yearly Assessment.

**SANSKRIT****BIOLOGY**

Revision

Grammar - Sankhya

Revision for Half Yearly Assessment

**HEALTH & PHYSICAL EDUCATION****PHYSICS**

1. Yoga Practice (Theory about Postures)

2. Meditation

Revision for Half Yearly Assessment

**SOCIAL SCIENCE****ARTIFICIAL INTELLIGENCE**

History:

Ls.3- Nazism &amp; the Rise of Hitler (Unit 3)

Democratic Politics: Revision

Geography: Revision

Economics: Revision

Part B- Unit 2: AI Project Cycle

Sub-Unit: Modelling, Evaluation

Scratch-

<https://scratch.mit.edu/projects/editor/?tutorial=make-it-fly>

Glide around and Make it Fly . Students can plan and lead different sprites in Scratch. Students will gain experience with coding loops and variables.

**MUSIC****ART & CRAFT**

God Is Good

<https://youtu.be/ZrED3Ky9qDA>

Decorative Art

Rangoli Design

Calligraphy



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Class IX  
October 2022

**ENGLISH**

Literature - Beehive

Prose:

8. Reach for the Top

Poetry:

6. No Men are Foreign

Supplementary Reader - Moments

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**MATHEMATICS**

Ls.10- Circles

Deletions:

- (Motivate) There is one and only one circle passing through three given non-collinear points

Lab Activity:-

19. Angles in the Same Segment

20. Angle in a Semicircle, Major Segment and Minor Segment

**Art Integrated Activity:** Making an artistically aesthetic circular geo-board and displaying the properties of circle with threads or rubber bands on it.

**HINDI**

स्पर्श- गद्य :

7. धर्म की आड़ (केवल पढ़ने के लिए)

संचयन:

4. मेरा छोटा सा निजी पुस्तकालय

व्याकरण:

विराम चिन्ह

लेखन:

अनुच्छेद लेखन, संवाद लेखन

**CHEMISTRY**

Ls.4: Structure of an atom

Charged particles in matter, structure of an atom, Thompson's model of an atom, Rutherford's model of an atom, Rutherford's scattering of alpha particles experiment and its drawbacks.

**SANSKRIT**

Ls.8 - Lauhatula

Grammar -

Suffix- Matup, Halant-Shabd Roop

**BIOLOGY**

Ls.15: Improvement in food resources

Plant and animal breeding and selection for quality improvement and management, use of fertilizers and manures, protection from pests and diseases, organic farming.

**HEALTH & PHYSICAL EDUCATION**

- Gymnastics (Handstand, Cartwheel)
- Shot put
- We and the Environment

**PHYSICS**

Ls.10: Gravitation

Gravitation and Universal law of gravitation and its importance. Free Fall, calculating value of 'g'. Motion of the objects under the influence of gravitational Force of the Earth

**Lab Manual (Cordova):**

Experiment 8: To determine the density of a solid denser than water by using a spring balance and a measuring cylinder.

Experiment 9: To establish the relation between loss in weight of a solid when fully immersed in tap water, concentrated salty water with the weight displaced by it by taking at least 2 solids.

**Investigation:** Compare the Gravitational Pull of Different Planets and Satellites

## SOCIAL SCIENCE

### History:

Ls.3- Nazism & The Rise of Hitler(Unit 4 & 5)

### Democratic Politics:

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### Geography:

Ls.4 - Climate(Concept, Climatic Controls & Factors influencing)

### Economics:

Ls.3 - Poverty as a Challenge (Overview to Vulnerable Groups)

## ARTIFICIAL INTELLIGENCE

Part B- Unit 3: Neural Network

Part A- Unit 4: Entrepreneurial Skills-I

### Scratch-

<https://scratch.mit.edu/projects/331474033/editor?tutorial=code-cartoon>. Create an animation that talks and records a sound.

## MUSIC

Happy Diwali

<https://youtu.be/y4uVWhGdpqY>

## ART & CRAFT

### Human Figure

Picture Composition with Figure Drawing  
Human Face (Portraiture)- Frontal and Profile view

Believe in Yourself



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Curriculum 2022-23



Class IX  
November 2022

**ENGLISH**

Literature - Beehive

Prose: --

Poetry:

7. On killing a Tree

Supplementary Reader - Moments

6. The Last Leaf

**HINDI**

स्पर्श - गद्य :

8. शुक्र तारे के समान

स्पर्श - पद्य:

13. गीत-अगीत

लेखन:

सूचना लेखन, अनौपचारिक पत्र

**SANSKRIT**

Ls.9 - Sikatasetuh

Ls.10. JatayohShauryam

Grammar- Shabd Roopani, Chitra-Varnan

**HEALTH & PHYSICAL EDUCATION**

1. Football

2. Dribbling

3. Theory about Football Skills and Field Practice

**SOCIAL SCIENCE**

History:

Section-2: Livelihoods, Economies, and Societies

Ls.4- Forest Society and Colonialism (Why

Deforestation?, The Rise of Commercial Forestry, Rebellion in the Forest)

**MATHEMATICS**

Ls.12- Heron's Formula

Deletions:

- Application of Heron's Formula in finding the area of a quadrilateral

Ls.13- Surface Areas and Volumes

Deletions:

- Surface areas and volumes of cubes, cuboids, and right circular cylinders.

**CHEMISTRY**

Ls.4: Structure of an atom (continued)

Bohr's model atom, discovery of neutrons, distribution of electrons in the orbits/shells, Schematic atomic structures of first 20 elements, valency, atomic number and mass number, isotopes and their applications, isobars.

**BIOLOGY**

Revision of the concepts and doubt clearing sessions.

[Submissions of Portfolio Work assigned on Ls. 14- Natural Resources]

**PHYSICS**

Ls.10: Gravitation (continued)

Mass and weight, Thrust and Pressure, Pressure in fluids, Buoyancy, Archimedes Principle, Relative Density.

**ARTIFICIAL INTELLIGENCE**

Part B- Unit 3: Neural Network

Part A- Unit 4 : Entrepreneurial Skills-I

Scratch:

<https://scratch.mit.edu/projects/331474033/editor?tutorial=code-cartoon>

**Democratic Politics:**

Ls.4- Working of Institutions

**Geography:**Ls.4 - Climate (Seasons, Distribution of Rainfall,  
Monsoon as a Unifying Bond)**Economics:**Ls.3- Poverty as a Challenge (Interstate Disparities to  
The Challenges Ahead)**MUSIC**

Rag Yaman

<https://youtu.be/JCe1sJlhkYA>**ART & CRAFT****Creative Art**Glass Painting  
Fabric Painting  
Clay Modelling



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(Wagholi • Hadapsar • Kalyani Nagar)  
Curriculum 2022-23



Class IX  
December 2022

**ENGLISH**

Literature - Beehive

Prose:

8. Kathmandu

Poetry:

8. A Slumber did my Spirit Seal

Supplementary Reader - Moments

7. A House is not a Home

**MATHEMATICS**

Ls.14- Statistics

Deletions:

- Mean median and mode of ungrouped data.

Art Integrated Activity: Prepare a colourful 3D histogram for the given data in Microsoft excel.

**HINDI**

स्पर्श - पद्य:

14. अग्निपथ

संचयन:

5. हामिद खान (केवल पढ़ने के लिए)

लेखन:

कहानी लेखन, संदेश लेखन

**CHEMISTRY**

Revision of the concepts

**SANSKRIT**

Ls.11 Paryavaranam

Grammar-Seen Passage

Chitra-Varnan

**BIOLOGY**

Revision of the concepts

**HEALTH & PHYSICAL EDUCATION**

1. Orientation to Physical Education & Sports Education

2. Social Health

3. Consumer Health and Sports Services

**PHYSICS**

Ls.11: Work and Energy

Scientific conception of work, work and energy, forms of energy-kinetic and potential energy, Law of conservation of energy, Rate of doing work, Power, commercial unit of energy.

Ls.12: Sound

Sound-Production and propagation, Longitudinal and Transverse waves, sound wave characteristics, speed of sound in different media

**Lab Manual (Cordova):**

Experiment 10: To determine the speed of transverse and longitudinal pulse propagated through a stretched string.



**SOCIAL SCIENCE****ARTIFICIAL INTELLIGENCE****History:**

Is.4- Forest Society and Colonialism (Forest Transformation in Java)

Is.5- Pastoralists in the Modern World (Pastoral Nomads & their Movements)

**Democratic Politics:**

Is.5 -Democratic Rights (Life without Rights, Rights in a Democracy)

**Geography:**

Is.5-Natural Vegetation and Wildlife

**Economics:**

Is.4-Food Security in India (Overview, What is Food Security, Why Food Security, Who are food insecure, Food Security in India)

Investigation: Agmark and its applicability in India

Unit 4: Introduction to Python

Lexicon

**MUSIC**

Christmas Carols

**ART & CRAFT****Applied Art**

Poster Making  
Logo Design

Believe in Yourself



**THE LEXICON SCHOOLS**  
(Wagholi • Hadapsar • Kalyani Nagar)  
Curriculum 2022-23



Class IX  
January 2023

**ENGLISH**

Literature - Beehive

Prose:

9. If I Were You

Poetry: --

Supplementary Reader - Moments

8. The Beggar.

**HINDI**

स्पर्श - पद्य:

15. नये इलाके में, खुशबू रचते हैं हाँथ

संचयन:

6. दीये जल उठे (केवल पढ़ने के लिए)

**Sanskrit**

Ls.12. Vanmanahpranasvaroopam

Revision - Patra Lekhan, Seen Passages, Grammar

**HEALTH & PHYSICAL EDUCATION**

1. Gymnastics (Round Off, Handspring)
2. Practice for 26th January
3. Table Tennis (Theory and Practice of Skills)
4. Badminton
5. Fitness Test

**SOCIAL SCIENCE**

History:

Ls.5- Pastoralists in the Modern World (Colonial Rule &amp; Pastoral Life, Pastoralism in Africa)

Democratic Politics:

Ls.5-Democratic Rights(Rights in the Indian Constitution, Expanding the scope of Rights)

**MATHEMATICS**

Ls.15- Probability

**CHEMISTRY**

Revision of the concepts

**BIOLOGY**

Revision of the concepts

**PHYSICS**

Ls.12: Sound

Reflection of sound-echo, reverberation and applications, Range of hearing and applications of ultrasound, sonar, structure of a human ear.  
Lab Manual (Cordova):

Experiment 7: To verify the laws of reflection of sound.

**ARTIFICIAL INTELLIGENCE**PART B- Unit 4: Introduction to PythonPART A-Unit 5 : Green Skills-I

**Geography:**

Ls.6-Population

**Economics:**

Ls.4- Food Security in India (Buffer Stock, PDS, Current Status of PDS, Role of Cooperatives on Food Security)

**MUSIC**

Patriotic Songs

Maharashtra Majha

<https://youtu.be/b2YZYZ-bVNO>**ART & CRAFT**

Applied Art

Book Cover Design

Animals and Birds

Animal Face

**Annual Activities****SEWA****TERM I***Creating awareness by visiting an old age home.  
Celebration of Grandparent's Day in the school.***TERM II***Creating awareness on social & cyber security.***THINKING SKILLS****TERM I***Compare and contrast the lives of aged people at home with their families and at old age home.***TERM II***Why is it important to spread awareness on social security, food security and cyber security?***MANAGEMENT STUDIES****TERM I***How can we help to set up an old age home with modern amenities?***TERM II***How can we assure social security to women?*