



COMMON TEACHING SCHEME
STEWART SCHOOLS

SESSION 2019-2020

Syllabus for Class IX

Note : The Current Academic Year is divided into two Semesters. There will be one Unit Assessment and a Half-Yearly Examination in the First Term and one Internal Assessment and Annual Examination in the Second Term. Promotion will strictly be granted as per the ICSE rule on cumulative average. (First Term & Second Term)

Marks Distribution of 1st Term

Unit Test	Half-Yearly Examination	Total
20	80	100

Marks Distribution of Final Term

Unit Test	Project	Annual Examination	Total
20	20	80	100
Reduce to 10%	Reduce to 10%	80%	

**TENTATIVE PROGRAMME OF DIFFERENT
ASSESSMENT AND EXAMINATIONS FOR 2019-2020**

1st Unit Assessment	: July/August 2019
2nd Unit Assessment	: November/December, 2019
Half-Yearly Examination	: September, 2019
Annual Examination	: February, 2020

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Important Information To Students & Parents

**CLASS-IX PROMOTION CRITERIA LAID
DOWN BY THE CISCE, NEW DELHI**

*It will be the responsibility of the Head of the School to ensure promotion from Class IX to Class X will be done on the basis of the **Cumulative achievement** level of the student throughout the academic year in the subjects he/she has been registered for. For promotions, a candidate is required to have obtained at least 33% marks in five subjects (severally) including English on the **cumulative average** and a minimum attendance of 75% of the working days. No other criteria will be used for promotion from Class IX to Class X.*

Promotion from Class IX to Class X on Trial basis; on Re-examination or Awarding of Grace marks will not be accepted by the Council.

Transfer Certificate should not be issued with 'Promoted to Class X' if the student has not met the required promotion criteria.

Ref: Regulations & Syllabuses-2020, Page-4



Pledge

*India is my Country and
All Indians are my brothers and sisters.*

*I love my Country and
I am proud of its rich and varied heritage.*

I shall always strive to be worthy of it.

*I shall give my parents, teachers and
all elders respect,*

And treat everyone with Courtesy

To my Country and to my people.

I pledge my devotion

In their well-being and prosperity alone

lies my happiness.

- Jai Hind

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**Class - IX****ORDER OF SUBJECTS**

SL.NO.	SUBJECTS	PAGES
1.	(A) ENGLISH I (LANGUAGE)	1
	(B) ENGLISH II (LITERATURE)	3
2.	ODIA	4
3.	HINDI	5
4.	HISTORY & CIVICS	7
5.	GEOGRAPHY	9
6.	MATHEMATICS	11
7.	PHYSICS	17
8.	CHEMISTRY	18
9.	BIOLOGY	19
10.	COMPUTER APPLICATIONS	21
11.	HOME SCIENCE	22
12.	COMMERICAL STUDIES	24
13.	PHYSICAL EDUCATION	26
14.	GAMES PART	28

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****ENGLISH-I (LANGUAGE)**

Paper-I : English Language (80 Marks)

Internal Assessment (20 Marks)

1ST TERM PORTION (APRIL TO SEPTEMBER)

MONTH	TOTAL ENGLISH	ICSE ENGLISH LANGUAGE SKILL
April to August	Chapter-1: Interchange of Sentences Practice Paper-1 Chapter-2: Articles Practice Paper-2 Chapter-3: Agreement of Verb with Subject Practice Paper-3 Chapter-4: Time and Tense - I Practice Paper-4 Chapter-5: Time and Tense - II Practice Paper-5 Chapter-6: The sequence of Tenses Practice Paper-6 Chapter-7: Prepositions Practice Paper-7 Chapter-8: Direct and Indirect Speech Practice Paper-8	Composition: 1. Narrative Essays 2. Factual Writing 3. Argumentative Essays 4. Notice Writing 5. E-mail Writing Letter Writing: 1. Personal Letters 2. Business Letters 3. Applications 4. Letter to Newspaper Editor Comprehension: 1. Passage Exercise 2. Summary Writing 3. Notice Writing 4. E-mail Writing

Revision and Half-Year Examination-2019-19**Portion for 1st Unit Test**

1. Letter Writing - 10 marks
2. Grammar Exercises - 10 marks
Practice Paper 1 to 4 (Functional Grammar Items)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**2ND TERM PORTION (OCTOBER TO JANUARY)**

MONTH	TOTAL ENGLISH	ICSE ENGLISH LANGUAGE SKILL
October to January	Chapter-9: Active and Passive Voice Practice Paper-9 Chapter-10: Transformation of Sentences-1 Practice Paper-10 Chapter-11: Transformation of Sentences-2 Practice Paper-11 Chapter-12: Conditional Sentences Practice Paper-12 Chapter-13: Word Order/Question Tags. (Grammar to be added). Practice Paper-13 Chapter-14: Synthesis of Sentences Practice Paper-14 Chapter-15: Composition of Adjectives Practice Paper-15	Composition: 1. Impressionistic 2. Critical Composition 3. Reflective 4. Guidelines for depicting characters 5. Picture Composition Letter Writing: 1. Invitations 2. Letters of Complaint 3. Letters of Apology and Explanation 4. Letter to Persuasion Comprehension: 1. Passage Exercise 2. Summary Writing 3. Notice Writing 4. E-mail Writing

Portion for 2nd Unit Test :

1. Composition writing - 10 marks
2. Grammar Forms - 10 marks
Practice Paper 9 to 11 (Functional Grammar Items)

N.B.: The Question Papers for Class-IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**PAPER-2 – ENGLISH-II (LITERATURE)****1ST TERM (APRIL TO AUGUST)**

PRESCRIBED BOOKS	SYLLABUS TO BE COVERED IN CLASS-IX
<p>DRAMA : The Merchant of Venice (Shakespear's unabridged play by A.W. Verity)</p> <p>POETRY : Treasure Trove - A collection of ICSE Poems & Short Stories. (Evergreen Publications (India) Ltd., New Delhi)</p> <p>PROSE : Treasure Trove - A collection of ICSE Poems & Short Stories. (Evergreen Publications (India) Ltd., New Delhi)</p>	<p>Act 1 - Scenes 1, 2 & 3 Act 2 - Scenes 1 to 5</p> <ol style="list-style-type: none"> Heart of Tree – Henry Cuyler Bunner The Cold Within – James Patrick Kinney Bangle Sellers – Sarojini Naidu <ol style="list-style-type: none"> Chief Seattle's Speech The Old Man at the Bridge – Earnest Hemmingway A Horse and Two Goats – R.K. Narayan

PORTION FOR FIRST UNIT TEST :

The Merchant of Venice	:	Act-1 – Scene 1
Treasure Trove - A collection	:	1. Heart of Tree - Henry Cuyler Bunner
Treasure Trove - A collection	:	1. Chief Seattle's Speech

September : Revision & Half-Yearly Examination 2019-2020**2ND TERM (OCTOBER TO JANUARY)**

PRESCRIBED BOOKS	SYLLABUS TO BE COVERED IN CLASS-IX
<p>DRAMA : The Merchant of Venice (Shakespear's unabridged play by A.W. Verity)</p> <p>POETRY : Treasure Trove - A collection of ICSE Poems & Short Stories. (Evergreen Publications (India) Ltd., New Delhi)</p> <p>PROSE : Treasure Trove - A collection of ICSE Poems & Short Stories. (Evergreen Publications (India) Ltd., New Delhi)</p>	<p>Act 2 - Scenes 6 to 9 Act 3 - Scene 1 only</p> <ol style="list-style-type: none"> After Blenheim – Robert Southey Television – Ronald Dahl Daffodils – William Wordsworth <ol style="list-style-type: none"> Hearts and Hands – O' Henry A Face in the Dark – Ruskin Bond Angel in Disguise – T.S. Arthur

PORTION FOR SECOND UNIT TEST :

The Merchant of Venice	:	Act-2 – Scenes 1, 2 & 3
Treasure Trove - A collection	:	1. Hearts and Hands – O' Henry

February / March : Revision & Annual Examination Examination 2019-2020

N.B. : The Question Papers for Class-IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]**

ODIA

1ST TERM (MARCH TO AUGUST)

LANGUAGE

MARKS

ବ୍ୟାକରଣ

୧. ପ୍ରତିଶବ୍ଦ	1	
୨. ବିପରୀତ ଶବ୍ଦ	1	
୩. ଅର୍ଥଗତ ପାର୍ଥକ୍ୟ	1	
୪. ରୁଚି	1	
୫. ଭ୍ରମ ସଂଶୋଧନ	1	
୬. ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ	1	
୭. ଏକପଦୀକରଣ	1	1 × 8 = 8
୮. ବାକ୍ୟକୁ ସଜାଡ଼ି ଲେଖିବା	1	
ପ୍ରବନ୍ଧ ଲିଖନ	15	
ପତ୍ର ଲିଖନ	07	
ବୋଧଜ୍ଞାନ	10	

LITERATURE

ଗଦ୍ୟ :

୧. ଧୂଳିଆ ବାବା
୨. ଭଦ୍ରଲୋକ
୩. ଶିକାର
୪. କୃପାଣ

ପଦ୍ୟ :

୧. ଗାନ୍ଧାରୀର ଆଶୀର୍ବାଦ
୨. କାଳିଜାଇ
୩. ମହିମା
୪. ବନପୁଲ ଉଦ୍ୟାନ କୁସୁମ (ପଦ୍ୟ)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**2ND TERM (OCTOBER TO FEBRUARY)***Language will remain the same as in 1st Term.***LITERATURE**

ଗଦ୍ୟ :

୧. ମୁଖାଗ୍ନି
୨. ନନ୍ଦନପୁର ଏକପ୍ରେସ୍
୩. ତିନିରି ଫୁଲ

ପଦ୍ୟ :

୧. ଗରିବର ଦୁର୍ଗାସ୍ତବ
୨. ଜଗତେ କେବଳ
୩. ଗ୍ରାମପଥ

Portion for 2nd Unit Test :

ତିନିରି ଫୁଲ, ଜଗତେ କେବଳ

Revision and Annual Examination-2020 : Feb'2020

*The rest of the Lessons of ଜ୍ଞାନାଞ୍ଜଳି will be done in the Class-X
This Teaching Scheme is based on ICSE 2020 Syllabus*

**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****HINDI****PORTION FOR 1ST TERM – 2019-2020**

MONTH	LANGUAGE	LITERATURE
April to August 2019	<p>निबंध लेखन, औपचारिक पत्र, अनौपचारिक पत्र, अपठित गद्यांश का अभ्यास लेखन।</p> <p>व्यावहारिक व्याकरण :</p> <p>विपरीतार्थक शब्द, पर्यायवाची शब्द, भाववाचक संज्ञा, विशेषण शब्द, तत्सम-तद्भव शब्द, एकवचन-बहुवचन शब्द, पुल्लिंग-स्त्रीलिंग शब्द, वर्तनी शुद्ध कर लिखना, मुहावरे, अनेक शब्दों के लिए एक शब्द, सूचना अनुसार वाक्य परिवर्तन।</p>	<p>संक्षिप्त कहानियाँ :</p> <p>१) बात अठनी की (गद्य)</p> <p>२) साखी (पद्य)</p> <p>३) काकी (गद्य)</p> <p>४) गिरिधर की कुंडलियाँ (पद्य)</p>

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

MONTH	LANGUAGE	LITERATURE
		५) महायज्ञ का पुरस्कार (गद्य) ६) स्वर्ग बना सकते हैं (पद्य)
September - Revision and Half-Yearly Examination-2019-2020		
Portion for 1st Unit Test: बात अठन्नी की, साखी व्याकरण – पर्यायवाची शब्द, विपरीतार्थक शब्द, भाववाचक संज्ञा, विशेषण शब्द, मुहावरे ।		
2ND TERM PORTION – 2019		
MONTH	LANGUAGE	LITERATURE
October to January 2019	निबंध लेखन, औपचारिक पत्र, अनौपचारिक पत्र, अपठित गद्यांश का अभ्यास लेखन। व्यावहारिक व्याकरण : विपरीतार्थक शब्द, पर्यायवाची शब्द, भाववाचक संज्ञा, विशेषण शब्द, तत्सम-तद्भव शब्द, एकवचन-बहुवचन शब्द, पुल्लिंग-स्त्रीलिंग शब्द, वर्तनी शुद्ध कर लिखना, मुहावरे, अनेक शब्दों के लिए एक शब्द, सूचना अनुसार वाक्य परिवर्तन।	६) नेताजी का चश्मा (गद्य) ७) वह जन्मभूमि मेरी (पद्य) ९) अपना - अपना भाग्य (गद्य) ११) बड़े घर की बेटी (गद्य) १२) मेघ आए (पद्य) १२) सूर के पद (पद्य)
February – Revision and Annual Examination-2019		
Portion for 2nd Unit Test : नेताजी का चश्मा, वह जन्मभूमि मेरी व्याकरण – पर्यायवाची शब्द, विपरीतार्थक शब्द, भाववाचक संज्ञा, विशेषण शब्द, मुहावरे ।		
<i>N.B.: The Question Papers for Class-IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)</i>		

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****HISTORY & CIVICS****1ST TERM PORTION**

Month	Topics
April to August	<p><u>History</u></p> <ol style="list-style-type: none">1. The Harappan Civilisation2. The Vedic Period <p><u>Civics</u></p> <ol style="list-style-type: none">1. Our Constitution <p><u>History</u></p> <ol style="list-style-type: none">3. India in the 6th B.C. (Jainism & Buddhism)4. The Mauryan Empire5. The Sangam Age6. The Age of Guptas7. Medieval India (A) The Cholas <p><u>Civics</u></p> <ol style="list-style-type: none">2. Single Citizenship, Universal Adult Franchise, Fundamental Rights & Fundamental Duties3. Directive Principles of State Policy & Welfare State
Portion for 1st Unit Test : <ol style="list-style-type: none">1. The Harappan Civilization2. The Vedic Period1. Our Constitution (Civics)	

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**2ND TERM PORTION**

Month	Topics
October 2019	8. Medieval India (B) The Delhi Sultanate 9. Medieval India (C) The Mughal Empire
to	<u>Civics</u> 4. Election
January 2019	5. Local Self-Government – Rural 6. Local Self-Government – Urban <u>History</u> 10. Medieval India (D) Composite Culture 11. The Modern Age in Europe (A) Renaissance 12. The Modern Age in Europe (B) The Reformation 13. The Modern Age in Europe (C) Industrial Revolution

Portion for 2nd Unit Test :

- 8. Medieval India (B) The Delhi Sultanate (History)
- 9. Medieval India (C) The Mughal Empire (History)
- 4. Election (Civics)

Portion for Annual Examination :

N.B.: The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****GEOGRAPHY****1ST TERM PORTION**

Month	Topics
April to August	<ol style="list-style-type: none">1. Earth as a Planet2. Latitude & Longitude3. Rotation & Revolution4. Earth's Structure5. Major Landforms6. Rocks & Rock Cycle7. Volcano8. Earthquakes <p>Map work (as per Syllabus) :</p> <p>(i) Major Natural Regions (ii) Oceans & Seas (iii) Gulfs & Straits (iv) Rivers (v) Mountains (vi) Plateaus</p>
Portion for 1st Unit Test : <ol style="list-style-type: none">1. Earth as a Planet2. Latitude & Longitude	

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**2ND TERM PORTION**

Month	Topics
October 2019 to January 2019	9. Weathering & Denudation 10. Hydrosphere (Tides & Ocean Currents) 11. Atmosphere 12. Insolation 13. Atmospheric Pressure and Wind 14. Humidity 15. Pollution – Types, Sources, Effects, Preventive measures. 16. Natural Regions of the World. Map work (as per Syllabus) : (i) Major Natural Regions (ii) Oceans & Seas (iii) Gulfs & Straits (iv) Rivers (v) Mountains (vi) Plateaus

Portion for 2nd Unit Test :

- 9. Weathering & Denudation
- 11. Atmosphere

Portion for Annual Examination :

N.B.: The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

TEACHING SCHEME-2019-2020 (CLASS - IX) [BASED ON ICSE 2020 SYLLABUS]

MATHEMATICS

FIRST TERM

Pure Arithmetic

- **Rational and Irrational Numbers :**

Rational, irrational numbers as real numbers, their places in the number system. Surds and rationalization of surds. Simplifying an expression by rationalizing the denominator.

Commercial Mathematics

- **Compound Interest :**

(a) Compound interest as a repeated simple interest computation with a growing principal. Use of this in computing amount over a period of 2 or 3 years.

Algebra

- **Expansions :**

$$(a \pm b)^2, (a \pm b)^3, (x \pm a)(x + b) \text{ \& } (a \pm b \pm c)^2$$

- **Factorization :**

$$a^2 - b^2$$

$$a^3 \pm b^3$$

$$ax^2 + bx + c, \text{ by splitting the middle term}$$

- **Indices / Exponents :**

Handling positive, fractional, negative and 'zero' indices.

Simplification of expressions involving various exponents.

$$a^m \times a^n = a^{m+n}, a^m \div a^n = a^{m-n}, (a^m)^n = a^{mn} \text{ etc.}$$

Use of laws of exponents.

Geometry

- (i) **Triangles :**

(a) **Congruency :** Four cases - SSS, SAS, AAS & RHS

Its simple applications.

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

- **(b) Problems based on :**

Angles opposite to equal sides of a triangle are equal and its converse.

If two sides of a triangle are unequal, the greater angle is opposite to the greater side and its converse.

Sum of any two sides of a triangle is greater than third side.

Of all the straight lines that be drawn to a given line from a point outside it, the perpendicular is the shortest.

Proofs of the above theorems are not required.

- **(c) Pythagoras Theorem :**

Area based proof and simple applications of Pythagoras Theorem and its converse.

- **(ii) Rectilinear Figures :**

- **(a) Proof and use of theorems on parallelogram.**

Both pairs of opposite sides are equal (without proof).

Both pairs of opposite angles are equal.

One pair of opposite sides equal and parallel (without proof).

Diagonals bisect each other and bisect the parallelogram.

Rhombus as a special parallelogram whose diagonals meet at right angles.

In a rectangle, diagonals are equal, in a square they are equal and meet at right angles.

Mensuration

- Area and Perimeter of a triangle and a quadrilateral.
- Area and Circumference of a circle. Area of semicircle and quarter circle included.

Trigonometry

- **(a) Trigonometric Ratios :**

Sine, cosine, tangent of an angle and their reciprocals.

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

- (b) Trigonometric ratios of standard angles :
 $0^\circ, 30^\circ, 45^\circ, 60^\circ$ & 90° . Evaluation of an expression using these angles.

Co-ordinate Geometry

Cartesian system, plotting of points in the plane for given coordinates, solving simultaneous linear equations in two variables graphically.

- (a) Dependent and independent variables.
- (b) Ordered pairs, co-ordinates of points and plotting them in the Cartesian plane.
- (c) Solution of linear simultaneous equations graphically.

First Unit Test Portion :

- *Rational and Irrational numbers*
- *Expansions*
- *Indices / Exponents*
- *Triangles (a) Congruency and its simple applications.*

SECOND TERM

Commercial Mathematics

- **Compound Interest :**

(b) Use of Formula : $A = P \left[1 + \frac{R}{100} \right]^n$; $CI = A - P$

Interest compounded half-yearly included. Using the formula to find one quantity given different combinations of A, P, R, n, CI and SI. Difference between CI and SI type included.

Rate of growth and depreciation.

Note : *Paying back in equal installments, being given rate of interest and installments amount not included.*

Algebra

- Simultaneous Linear Equations in two variables (with numerical coefficients only)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

Solving algebraically by – Elimination
– Substitution and
– Cross Multiplication Method

- Solving simple problems by framing appropriate equations.
- Logarithms
 - (a) Logarithmic form vis-a-vis exponential form: interchanging
 - (b) Laws of Logarithms and their uses.
Expansion of expression with the help of laws of Logarithms

Geometry

- (i) (c) Mid-point Theorem and its converse, equal intercept theorem.
 - (i) Proof and simple applications of mid-point theorem and its converse.
 - (ii) Equal intercept theorem. Proof and simple applications.
- (ii) (b) **Construction of Polygons:**
Construction of quadrilaterals (including parallelograms and rhombus) and regular hexagon using ruler and compasses only.
- (c) Proof and use of area theorems on parallelograms.
 - Parallelograms on the same base and between the same parallel are equal in area.
 - The area of a triangle is half of a parallelogram on the same base and between the same parallels.
 - Triangles having the same base and between the same parallels are equal in area (without proof).
 - Triangles with equal areas on the same bases have equal corresponding altitudes.
- (iii) **Circle :**
 - (a) Chord Properties.
A straight line drawn from the centre of a circle to bisect a chord which is not a diameter is perpendicular to the chord.

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

The perpendicular to a chord from the centre bisects the chord (without proof).

Equal chords are equidistant from the centre.

Chords equidistant from the centre are equal (without proof).

There is one and only one circle that passes through three given points not in a straight line.

(b) Arc and Chord Properties :

If two arcs subtend equal angles at the centre, they are equal, and its converse.

If two chords are equal, they cut off equal arcs and its converse (without proof).

Statistics

- Introduction, collection of data, presentation of data, graphical representation of data, mean, median of ungrouped data.
 - (i) Understanding and recognition of raw, arrayed and grouped data.
 - (ii) Tabulation of raw data using tally-marks.
 - (iii) Understanding and recognition of discrete and continuous variables.
 - (iv) Mean, median of ungrouped data.
 - (v) Class intervals, class boundaries and limits, frequency, frequency tables, class size for grouped data.
 - (vi) Grouped frequency distributions : the need to and how to convert discontinuous intervals to continuous intervals.
 - (vii) Drawing a frequency polygon.

Mensuration

- Surface area and volume of cube and cuboids.
- Surface area and volume of 3-D solids : cubes and cuboids including problems of type involving.

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

- Different internal and external dimensions of the solid.
- Cost.
- Concept of volume being equal to area of cross-section X height.
- Open / Closed : Cubes / Cuboids

Trigonometry

(c) Simple 2-D problems involving one right-angled triangle.

(d) Concept of trigonometric ratios of complementary angles and their direct application : $\sin A = \cos (90-A)$, $\cos A = \sin (90-A)$, $\tan A = \cot (90-A)$ etc.

Co-ordinate Geometry

- Distance formula.

Second Unit Test Portion :

- *Solution of simultaneous linear equations in two variables including simple word problems.*
- *Logarithms*
- *Surface area and volume of cube & cuboids.*
- *Distance formula*

N.B. : The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****PHYSICS**
SCIENCE (PAPER-I)**PORTION FOR THE HALF-YEARLY EXAMINATION**

Month	Unit	Topics
April to August	1	Measurement and Experimentation
	2	Motion in one Dimension
	3	Laws of Motion
	4	Pressure in Fluids and Atmospheric Pressure
	5	Archimedes Principle, Upthrust in Fluids and Floatation

SCHEME OF LESSONS FOR THE POST HALF-YEARLY EXAMINATION

Month	Unit	Topics
October to January	6	Heat and Energy
	7	Reflection of Light
	8	Propagation of Sound Waves
	9	Current Electricity
	10	Magnetism

- **Portion for 1st Unit Test** : Ch - 1, & 2
- **Portion for Half-Yearly Examination** : Ch - 1 to 5
- **Portion for 2nd Unit Test** : Ch - 6 & 7

N.B.: The Question Papers for Class-IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****CHEMISTRY****SCIENCE PAPER-II****SCHEME OF LESSONS FOR FIRST TERM EXAMINATION**

Month	Chapter No.	Topics
April to August	1	The Language of Chemistry
	2	Chemical Changes and Reaction
	3	Water
	4	Atomic Structure and Chemical Bonding

SCHEME OF LESSONS FOR 2ND TERM

October to January	5	The Periodic Table
	6	Hydrogen
	7	Study of Gas Laws
	8	Atmospheric Pollution

- Portion for 1st Unit Test : Ch - 1 and 2
- Portion for 1st Term Examination : Ch - 1, 2, 3 and 4
- Portion for 2nd Unit Test : Ch - 5 and 6
- Portion for Annual Examination : Ch - 1 to 8

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TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**PORTION FOR THE SECOND TERM EXAMINATION**

Month	Topics
October to	12. Skeleton – Movement and Locomotion 13. Skin – Structure and Function 14. Respiratory System
January	15. Hygiene 16. Diseases 17. Aids to Health 18. Health Organisation 19. Waste Management and Generation

Portion for 2nd Unit Test : 12. Skeleton – Movement and Locomotion
13. Skin – Structure and Function

Practical Work

1. Study of various parts of Plant cell.
2. Study of different parts of Cross-pollinated Flower.
3. Study of Germinating Seeds (Bean, Maize grain)
4. Study of various parts of Animal cell.
5. Food test
6. Identification of Specimen (Chordata, Non-Chordata)
7. Experiment based on Mechanism of Breathing.
8. Types and Methods of Disposal of Waste.
9. Visit a Water Treatment Plant, Sewage Treatment Plant or Garbage Dumping or Vermicomposting.

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TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020

**DISTRIBUTION OF CONTENTS AS PER ICSE SYLLABUS
CLASS - IX [AS PER SYLLABUS 2021]**

COMPUTER APPLICATIONS

First Unit Test :

- Chapter-1** : Introduction to Object Oriented Programming
- Chapter-2** : Introduction to JAVA
- Chapter-3** : Elementary Concept of Objects and Classes
- Chapter-4** : Values and Data Types

First Term Examination

- Chapter-5** : Operators and Expressions
- Chapter-7** : Input in JAVA
- Chapter-8** : Mathematical Library Functions
- Chapter-9** : Conditional Constructs in JAVA
(Inclusive of Ch-1 to 4).

Second Unit Test :

- Chapter-10** : Iteration Construct in JAVA.
- Chapter-11** : Nested Loops

Second Term Examination :

- Chapter-12** : Computing and Ethics
(Allow usage of any user defined function other than mount).

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****HOME SCIENCE****FIRST TERM PORTION**

Month	Unit No.	Chapters
April	1	Concept and Scope of Home Science
to August	2	Food and Health
	3	Method of Cooking Food
	4	Nutrients and their Functions
	5	The Family
	6	Women and Child Welfare
	7	Growth and Development of Children from Birth to Five years.
	8	Role of Play and Play School for the Young Child
Portion for the 1st Unit Test : Ch-1: Concept and Scope of Home Science Ch-2: Food and Health Ch-3: Method of Cooking Food		
Portion for the Half-Yearly Examination Chapters – 1, 2, 3, 4, 5, 6, 7, 8		

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**2ND TERM PORTION**

Month	Unit No.	Topics
October to January	9	Choosing a Home
	10	Maintenance of House and its Environment
	11	Waste Management in the Home and Community
	12	Need to Refuse, Reduce, Re-use, Repair and Recycle (5-R.S) Waste
	13	Types of Fabrics available in the Market
	14	Factors influencing Choice of Clothing

Portion for the 2nd Unit Test :

Chapters – 9 & 10

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TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****COMMERCIAL STUDIES****PORTION FOR FIRST TERM**

Chapter No.	Topics
1	Commercial and Non-Commercial activities
2	Business activities
3	Profit and Non-Profit Organisations
4	Classification of Commercial Organisation
5	Sole Proprietorship and Hindu Undivided Family Business
6	Partnership
7	Joint Stock Company
8	Co-operative Society
9	Public Sector Enterprise
10	Marketing and Sale
11	Finance and Accounts
12	Human Resources

Portion for the 1st Unit Test :

- Ch-1 : Commercial and Non-Commercial activities
- Ch-2 : Business activities
- Ch-3 : Profit and Non-Profit Organisations
- Ch-4 : Classification of Commercial Organisation

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**PORTION FOR 2ND TERM**

Chapter No.	Topics
1	Production
2	Purchasing and Stores
3	General Administration, Legal Compliance and Management Information System.
4	Social Responsibility of Commercial Organisation towards the Environment
5	Communication in Commercial Organisation
6	Verbal and Non-Verbal Communication
7	Different Methods of Communication
8	Meaning, Objectives and Terminology of Accounting
9	Basic Accounting Principles and Concepts
10	Accounting Books and Statements
11	Banking
12	Trade

Portion for the 2nd Unit Test :

- Ch-1 : Production
- Ch-2 : Purchasing and Stores
- Ch-3 : General Administration, Legal Compliance and Management Information System.
- Ch-4 : Social Responsibility of Commercial Organisation towards the Environment

N.B.: The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****PHYSICAL EDUCATION****FIRST TERM WORK PROPOSED**

Month	Chapter No.	Topics
April to August	1	The Human Anatomy and Physiology : (i) Skeletal System (ii) Functions of the Skeletal System (iii) Classification of different types of Joints (iv) Types of Joint movements in Physical activities (v) Benefits of Exercise on the Skeletal System
	2	Muscular System : (i) Types of Muscles (ii) Identification of Muscles (iii) Benefits of Exercise on the Muscular System

Portion for the 1st Unit Test :
Ch-1 (i) : Skeletal System

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**SECOND TERM WORK PROPOSED**

Month	Chapter No.	Topics
October to January	1	Respiratory System : (i) Pathway of Air into the Body (ii) Mechanics of Breathing (iii) Oxygen Debt and Lactic Acid Accumulation (Meaning only) (iv) Second Wind (Meaning only) (v) Vital capacity of Zidal Volume (Meaning and Difference) (vi) Benefits of Exercise on the Respiratory System
	2	Circulating System : (i) Structure of Heart (ii) Heart Rate, Stroke Volume, Cardiac Output (Meaning and Difference) (iii) Mechanism of Blood Circulation (iv) Blood – (a) Composition (b) Blood Groups (v) Benefits of Exercise on the Circulatory System

Portion for the 2nd Unit Test : Respiratory System

Annual Examination – 2019-19 :
The complete syllabus proposed for First and Second Term

N.B. : The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)

TEACHING SCHEME OF LESSONS FOR THE SESSION - 2019-2020**TEACHING SCHEME-2019-2020 (CLASS - IX)
[BASED ON ICSE 2020 SYLLABUS]****GAMES PART**

FIRST TERM	
Month	Chapters
April to August	<ul style="list-style-type: none">- Football, Basketball & Cricket Field Marking- Rule of the Games- Fundamental Skills- (i) Duty of Officials : Umpire – Cricket Referee – Football & Basketball Field Marshal(ii) Scorer, Assistant Scorer, Time-keeper
1st Unit Test : Rule of the Games	
2ND TERM	
October to January	<ul style="list-style-type: none">- Fouls, Penalty, Duties of Captain & Coach- Official Hand Signals Umpires Signals
2nd Unit Test : Fouls, Penalty of the Games	
<i>N.B.: The Question Papers for Class- IX Annual Examination 2019 will be prepared from the whole Syllabus prescribed by the CISCE, New Delhi (ICSE Regulations & Syllabuses 2020)</i>	