

St Xavier's School, Doranda, Ranchi

SYLLABUS FOR Class VIII – 2024-25

ENGLISH LANGUAGE

TOPIC	MONTH
1. Same words used in different Parts of Speech	April
2. Figures of Speech (Personification, metaphor, Simile, Alliteration, Hyperbole, Rhetoric Question, Pun, Oxymoron, Onomatopoeia)	April
3. Conjunctions	May
1st Unit Test (20 marks) – June – All the topics taught in April & May, Verbs, Prepositions	
4. Phrases	June
5. Clauses	July
6. Formal Letter	July
7. Sentences – Simple, Compound, Complex	August
8. Précis Writing	August
9. Informal Letter	August
10. Phrasal Verbs	September
1st Terminal Examination (80 marks) – All the topics taught in the first term	
11. Transformation of sentences (Affirmative – Negative, Direct – Indirect, Active – Passive, Change of parts of speech, Degrees of adjectives, Adverb too, Question Tags)	October
12. Transformation of sentences (Affirmative – Negative, Direct – Indirect, Active – Passive, Change of parts of speech, Degrees of adjectives, Adverb too, Question Tags)	November
13. Synthesis	November
14. Verb Forms	December
15. Tenses	December
16. Phrasal Verbs	December

Final Examination (80 marks) – All the topics taught in both the terms

Note: Following the CCE (Continuous and Comprehensive Evaluation) there will be marks allotted on Class works, Home works, Assignments and Class test throughout the Term.

ENGLISH LITERATURE

Magnolia & The English Treasure

TOPIC	MONTH
1. A Good innings (prose)	April
2. The life of a Teenager Girl (poem)	May
3. Valjean Takes a Risk (prose)	June
4. Slum Children at Play (poem)	July
5. The Fence (SR)	August
6. The Babus of Nayanjore (SR)	September

1st Unit Test – 20 marks – June – A Good Innings, The life of a Teenager Girl

1st Terminal Examination – 80 marks – September - All the lessons taught In the First term

TOPIC	MONTH
1. Take Us Home (prose)	October
2. To India my Native Land (poem)	November
3. The Death of Caesar (prose)	December
4. Lord Ullin's Daughter (poem)	January
5. The Absence of Mr. Glass (SR)	
6. God Sees the Truth but Waits (SR)	

2nd Unit Test – 20 marks – December – Take Us Home, To India my Native Land

2nd Terminal Examination – 80 marks – February - All the lessons taught In the Final term

Note: Following the CCE (Continuous and Comprehensive Evaluation) there will be marks allotted on Class works, Home works, Assignments and Class test throughout the Term.

HINDI CLASS - VIII

First Term

SECTION A (40 Marks)

भाषा -व्याकरण – ‘ सार्थक’

1. निबंध - इन्टरनेट प्रयोग की अति समस्या एवं समाधान , करो योग रहो निरोग , आधुनिक जीवन की समस्याएं
2. चित्र लेखन
3. पत्र लेखन – क) औपचारिक ख) अनौपचारिक
4. भाव ग्रहण
5. व्यावहारिक व्याकरण (इसके अतिरिक्त पाठ मेघा में आए व्यावहारिक व्याकरण भी संलग्न)
1. विलोम अँधेरा - आलस्य
2. पर्यायवाची अंधकार - ध्वनि
3. वाक्यांश 1 – 42
4. युग्म शब्द 1 – 5 , - 1 – 18 (89 – 90)
5. अनेकार्थी शब्द अंध - तल
6. मुहावरा 1 – 25,
7. लोकोक्ति 1 – 8, 1 – 5
8. तदभव से तत्सम सम्पूर्ण (page 27)
9. संज्ञा शब्द से भाववाचक, विशेषण, सर्वनाम, क्रिया, अव्यय |

SECTION B (40 MARKS)

साहित्य ‘मेघा’

1. कलम आज उनकी जय बोल (कविता)
2. स्नेह (कहानी)
3. मेरी यूरोप यात्रा
4. मंत्र (कहानी)
5. सत्य और अहिंसा
6. सोना (रेखाचित्र)

व्याकरण

1. संधि - परिभाषा, भेद, उदाहरण, संधि विच्छेद
2. अव्यय - परिभाषा, भेद, उदाहरण
3. उपसर्ग - परिभाषा, भेद, उदाहरण, नवीन शब्दों का निर्माण
4. वाच्य - परिभाषा, भेद, उदाहरण, परिवर्तन

Unit Test

1. कलम आज उनकी जय बोल (कविता)
2. स्नेह (कहानी)
3. पत्र प्रारूप (औपचारिक, अनौपचारिक)
4. . मुहावरा 1 – 25,
5. . पर्यायवाची अंधकार - ध्वनि

हिंदी III – कलम आज उनकी जय बोल (मौखिक परीक्षा), नीति वचन / दोहे, शब्दार्थ, श्रुतलेख (लिखित परीक्षा)

Final Examination

Section A (40 Marks)

भाषा

1. निबंध – परिश्रम का महत्व, युवाओं में बढ़ती हिंसावृत्ति, जाड़े की रात
2. पत्र लेखन - (क) औपचारिक (ख) अनौपचारिक
3. भाव ग्रहण
4. चित्र लेखन

5. व्यावहारिक व्याकरण

1. विलोम आस्तिक – हानिकारक
2. पर्यायवाची शब्द धरती – हर्ष
3. वाक्यांश जो कुछ न करना चाहे - दूसरों के काम में दोष खोजने वाला
4. युग्म शब्द 6 – 10, 19 – 36
5. मुहावरा 26 – 50
6. अनेकार्थी शब्द तीर – हस्ती
7. लोकोक्ति 9 – 17, 6 – 10 (253 – 54)
8. तदभव से तत्सम (सम्पूर्ण)
9. संज्ञा शब्द से – भाववाचक, विशेषण, सर्वनाम क्रिया एवं अव्यय |

साहित्य

1. ट्वेंटी ट्वेंटी
2. कदम मिलाकर चलना होगा
3. भिखारिन
4. भक्ति पद (कविता)
5. सत्य और अहिंसा
6. सोना

व्याकरण

1. वाक्य - परिभाषा, भेद, उदाहरण, वाक्य परिवर्तन
2. समास- परिभाषा, भेद, उदाहरण | अंतर- संधि और समास, द्विगु और द्वंद्व, बहुव्रीहि और कर्मधारय | समस्त पद, समास विग्रह

Unit Test

1. कदम मिलाकर चलना होगा
2. ट्वेंटी ट्वेंटी
3. वाक्य

हिंदी III – फागुन में सावन (मौखिक परीक्षा), नीति वचन / दोहे, शब्दार्थ, श्रुतलेख (लिखित परीक्षा)

Note: Following the CCE (Continuous and Comprehensive Evaluation) there will be marks allotted on Class works, Home works, Assignments and Class test throughout the Term.

HISTORY/ CIVICS

TOPIC :

MONTH & WEEK

- | | |
|--------------------------------------|---|
| 1.The Union Legislature | April 1 st week -April3 rd week |
| 2.The Period of Transition | April 4 th week –May 2 nd week |
| 3. India in the eighteenth century | June2 nd week – June 4 th week |
| 4.From Traders to Rulers | July 1 st week- July 3 rd week |
| 5. British Policies and Their Impact | July 4 th week – August1 st week |
| 6. The Union executive | August 2 nd week – August 4 th week |
| 7. Revision | September 1 st &2 nd week |

1st Unit test : The Union legislature

Half yearly Examination : All chapters covered in the first term

Final Term :

- | | |
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| 1. The Judiciary | October 1 st week- 3 rd week |
| 2. The Great Uprising | October 4 th week –Nov 2 nd week |
| 3. Reforms in the Indian society | November 3 rd & 4 th week |
| 4. India's Freedom struggle- The First Phase | December 1 st and 2 nd week |
| 5. India's Freedom struggle – The Second Phase | December 3 rd week & Jan 1 st week |
| 6. The United Nations Organization | January 2 nd and 3 rd week |
| 7. Agencies of The United Nations | January 4 th week |

7. Revision

February

2nd Unit test : The Great Uprising

Final examination : All chapters covered in the Second Term

GEOGRAPHY

FIRST TERM

APRIL & MAY

A] RESPRESENTATION OF GEOGRAPHICAL FEATURES.

- (1) Topographical maps.(definition & uses of topographical maps)
- (2) Numbering of topographical sheets.
- (3) Grid system & arbitrary grid system. (northings & eastings)
 - (a) Uses of northings & eastings (four figure & six figure grid reference, calculation of area in topo sheet)
- (4) Representation of relief features on topo sheets.
 - (a) Contours (contour interval, contour index and characteristic of contours)
 - (b) Identification of slopes. (uniform slope, gentle slope, steep slopes, undulating slope, concave slope & convex slope)
 - (c) Identification of relief features. (conical hill, ridge, plateau, saddle/col & valley)
- (5) Profile of a contour feature. (how to draw a profile)
 - (a) Benchmark & spot height.
- (6) Representation of settlements on topo sheets. (types- compact, scattered and linear)
- (7) Interpretation of topo sheets.
 - (a)General information
 - (b)Relief
 - (c) Drainage (dendritic, trellis, radial pattern)
 - (d) Natural vegetation & economic activity
 - (e) Transport & communication
 - (f) Settlements.

UNIT TEST -

JUNE & JULY

B] ASIA-LOCATION & PHYSICAL FEATURES.

- (1) Location & extent.
- (2) Physical division. (the northern lowland, the central highland, the southern plateau, the great river plain & the island groups)
- (3) Map work- Asia-location & extent.

AUGUST

C] ASIA- CLIMATE & NATURAL VEGETATION.

- (1) Factors influencing the climate of Asia.
- (2) Climatic condition of Asia. (winter & summer)
- (3) Distribution of rainfall.
- (4) Major climatic types, natural vegetation & wildlife.
 - (a) Equatorial climate
 - (b) Tropical Monsoon climate
 - (c) Tropical desert climate
 - (d) Mid latitude desert/ Temperate desert
 - (e) Mediterranean climate
 - (f) Temperate grassland climate
 - (g) China type climate

- (h) Manchurian type climate
- (i) Taiga climate
- (j) Tundra climate
- (5) Map work- Asia -: Relief map 1(mountains & plateaus)
Relief map2 (rivers & plains)

SEPTEMBER

D] DISASTERS AND THEIR MANAGEMENT

Natural Disasters and their precaution

- (1) Earthquakes
- (2) Cyclones
- (3) Floods
- (4) Droughts
- (5) Tsunamis
- (6) Man - made disasters – Nuclear disasters, Chemical disasters, Biological disasters, Accidental disasters)
- (7) Disaster management
- (8) Role of government in disaster management. (ndma, ndrf, nidm)
- (9) Case studies (floods in Assam, April 2015 earthquake in Nepal)

FINAL TERM

OCTOBER & NOVEMBER

E] INDIA- LOCATION & PHYSICAL FEATURES.

- (1) Location & extent.
- (2) Physical divisions (the northern mountains, the northern plains, the peninsular plateaus, the coastal plains & the island groups)
- (3) Map work -India location & extent, important latitudes & longitudes, surrounding water bodies.

UNIT TEST -

DECEMBER & JANUARY

E] INDIA – CLIMATE.

- (1) Factors affecting the climate of India. (Location, physical features, distance from sea.)
- (2) The cycle of seasons. (The cold weather season, the hot and dry weather, the south – west monsoon, the season of retreating monsoon)
- (3) Distribution of rainfall

FEBRUARY

GEOGRAPHICAL GRIDS – LATITUDES & LONGITUDES

- (1) Latitudes and Longitudes
- (2) Heat zones
- (3) Time (local, standard & Greenwich mean time)
- (4) International date line
- (5) Calculation of time
- (6) Great circles

Note: Following the CCE (Continuous and Comprehensive Evaluation) there will be marks allotted on Class works, Home works, Assignments and Class test throughout the Term.

MATHEMATICS

1st Unit test portion

1. Fundamental concepts of Algebra
2. Fundamental Operations of Algebra
3. Rational Numbers

First Term Portion :

1. Fundamental concepts of Algebra
2. Fundamental Operations of Algebra
3. Rational Numbers
4. Exponents and Powers
5. Squares and Square Roots
6. Cubes and cube roots
7. Direct and Inverse Variations
8. Time and Work
9. Quadrilaterals
10. Special Constructions
11. Circle
12. Statistics + frequency polygon
13. Probability

2nd Unit test portion

1. Special products and expansion
2. Factorisation

Second Term Portion

1. Special Products and Expansions
2. Factorisation
3. Linear Equations
4. Percentage
5. Profit and Loss
6. Simple Interest
7. Area
8. Volume and Surface Area
9. Sets
10. Operation of Venn Diagrams + Revision

Final Term Portion

All the chapters taught in first term and second term

Monthly Breakup

Month	Topics to be covered
April	<ol style="list-style-type: none">1. Fundamental concepts of Algebra2. Fundamental Operations of Algebra3. Rational Numbers4. Exponents and Powers
May	<ol style="list-style-type: none">1. Squares and Square Roots2. Cubes and cube roots
June	<ol style="list-style-type: none">1. Direct and Inverse Variations2. Time and Work
July	<ol style="list-style-type: none">1. Quadrilaterals2. Special Constructions3. Circle
August	<ol style="list-style-type: none">1. Statistics + frequency polygon2. Probability3. Revision
September	<ol style="list-style-type: none">1. Special Products and Expansions2. Factorisation
October	<ol style="list-style-type: none">1. Continuation of factorisation2. Linear Equations
November	<ol style="list-style-type: none">1. Percentage2. Profit and Loss
December	<ol style="list-style-type: none">1. Simple Interest2. Area
January	<ol style="list-style-type: none">1. Volume and Surface Area2. Sets3. Operation of Venn Diagrams
February	<ol style="list-style-type: none">1. Revision

PHYSICS

First Unit Test :

Ch 1 : Matter

Ch 2 : Physical Quantities and Measurement

First Term :

Ch 1 : Matter

Ch 2 : Physical Quantities and Measurement

Ch 3 : Force and Pressure

Ch 4 : Energy

Second Unit Test :

Ch 5 : Light Energy

Ch 6 : Heat Transfer

Final Term :

Ch 5 : Light Energy

Ch 6 : Heat Transfer

Ch 7 : Sound

Ch 8 : Electricity

Note : All the chapters 3 to 8 are included in the final exam.

Group Project : Force and Pressure

MONTH	CHAPTERS
April	Ch 1 : Matter Definition , composition and characteristics of matter ; states of matter ; molecular model of of solids, liquids and gases ; change of state ; freezing; melting, boiling
May	Ch 1 : Matter Evaporation; factors affecting evaporation; application of evaporation ; sublimation and deposition Ch 2 : Physical Quantities and Measurement Introduction; definition,meaning and examples of physical quantity, concept of density - its unit , relation between S.I and C.G.S unit ; vessels for measuring volume ; determination of a density of a regular and irregular solid
June	Ch 2 : Physical Quantities and Measurement Determination of density of a liquid, density bottle ; relative density - concept , unit , measurement of relative density of a liquid, density of a substance in different states ; concept of floating and sinking , principle , law and application of floatation.
July	Ch 3 : Force and Pressure Meaning , effects and unit of force; Turning effect of force ; factors affecting it and its application in daily life ; moment of force and its unit ; concept of thrust and pressure; units of pressure ; factors affecting it and its application in daily life ; concept of liquid pressure and atmospheric pressure and its application.

August	Ch 4 : Energy Definition and unit of work ; concept of energy its definition and unit ; relationship between work and energy; different forms of energy - potential and kinetic energy; their interconversion ; concept of power , its unit and factors affecting it.
September	Ch 5 : Light Energy Refraction of light ; laws of refraction; effects of refraction; refraction of light through glass slab and prism ; concept of dispersion of white light , its causes ; concept of spherical mirror ; ray diagrams ; use of concave and convex mirror.
October	Ch 6 : Heat Transfer Introduction of heat and temperature; effects of heat ; effect of temperature on molecular motion ; thermal expansion in solids , liquids and gases ; variation of density with temperature.
November	Ch 7 : Sound Production of sound ; propogation of sound ; relationship between time period and frequency; characteristics of sound - loudness, pitch and quality
December	Ch 8 : Electricity Introduction; concept of electrical energy and power consumed ; power transmission, colour coding , commercial unit of electrical energy; working of - electric meter ; electric fuse , MCB ; earthing of the appliance ; power rating ; hazards of electricity.
January	Ch 8 : Electricity Concept of static electricity; properties of charges ; conservation of charge ; concept of conductors and insulators; methods of charging a conductor ; electroscope: its types and working , lightning and lightning conductor.

February	Revision
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CHEMISTRY

Mid Term Syllabus:

1. Matter
2. Physical and Chemical Changes
3. Elements Compounds and Mixtures
4. Atomic Structure
5. Language of Chemistry

Unit Test : Matter

Physical and Chemical Changes

Final Term Syllabus:

1. Chemical Reactions
2. Hydrogen
3. Water

Unit Test : Chemical Reactions

Final Term Examination: All chapters taught in final term,

Atomic structure and Language of Chemistry (From Mid Term)

MONTHLY BREAKUP OF SYLLABUS:

April: Matter, Physical and Chemical Changes

May: Elements, Compounds and Mixtures

June: Elements, Compounds and Mixtures continued.

July: Atomic Structure

August: Language of Chemistry

September: Revision

October: Chemical Reactions (part A)

November: Chemical Reactions (Part B)

December: Hydrogen

January: Water

February: Revision

XX

BIOLOGY

FIRST TERM PORTION (April – September)	FINAL TERM PORTION (September- February)
*Transport in Plants *Reproduction in Plants *Ecosystems *Endocrine System and Adolescence *The Circulatory System	*Nervous System *Diseases and First Aid *Food Production

FIRST TERM (APRIL-SEPTEMBER 2024)

April-June 2024

1.Transport In Plants

- Introduction
- The Conducting or Transporting Tissues- Xylem and Phloem
- Transport of Food
- Water absorption by the roots
- Root hair - Characteristics
- Diffusion, Osmosis, Active Transport
- Transpiration - Factors, Importance
- Importance of water and minerals in the plant

2.Reproduction in Plants

- Reproduction
- Modes of Reproduction In plants
- Asexual Reproduction in Plants
 - Binary Fission, - Budding, - Fragmentation, - Spore Formation, - Vegetative Reproduction
- Natural Vegetative Propagation
 - Reproduction by Stem, Leaf, Root
 - Advantages and Disadvantages of Vegetative Reproduction
- Artificial Vegetative Propagation
 - Cutting, - Layering, - Grafting, - Micro-propagation
- Sexual Reproduction in Plants
 - Parts of a Flower
 - Pollination –Types, - Agents of cross pollination
 - Characteristics of insect, wind and water pollinated flowers
 - Fertilisation
 - Artificial Pollination

FIRST UNIT TEST

SYLLABUS FOR UNIT TEST –

1. Transport in plants
2. Reproduction in plants

July - August 2024

3. Ecosystems

- Definition
- Forest Ecosystem
- Components of an ecosystem
- Food chains, Food Webs, Food Pyramids
- Flora and Fauna of forest ecosystem
- Need to restore and conserve ecosystems

4. Endocrine System and Adolescence

- Endocrine glands
 - Thyroid gland
 - Adrenal gland
 - Pancreas
 - Pituitary gland
- Adolescence
- Physical changes during adolescence
- Development of sexual and secondary sexual characters during adolescence
- Adolescence and related psychological changes
- Importance of personal hygiene
- Stress - How to manage stress.

5. The Circulatory System

- Human Circulatory system
- Fluids in our Body
- Heart
- Pacemaker
- Blood vessels
- Blood circulation
- Tissue fluid and lymph
- Blood groups
- Heart related conditions

September 2024

Revision

FINAL TERM (SEPTEMBER- FEBRUARY)

PORTION FOR MID TERM EXAMINATION

- 1.Transport in plants
- 2.Reproduction in plants
- 3.Ecosystem
- 4.Endocrine system and Adolescence
- 5.The Circulatory system

October - November 2024

6.Nervous System

- Coordination
- Functions of the Nervous System
- The Neuron
- Synapse
- The Nerve
- Human Nervous system- CNS and PNS
 - Brain
 - Spinal cord
- Reflex action - types
- Some Basic Terms related to the functioning of the Nervous system

SECOND UNIT TEST

SYLLABUS FOR SECOND UNIT TEST-

- 1 . Nervous System

December-January 2025

7.Diseases and First Aid

- Health
- Categories of diseases
- Communicable or Infectious Diseases
- Some communicable diseases
- Preventive measures for diseases
- Vaccination
 - Immunisation
- First aid
- Bad habits to be avoided

8.Food Production

- Microorganisms
- Bacteria and its role in food production
- Fungi - Mushrooms and Yeast
- Economic importance of Yeast
Food Crops and Cash crops
- Horticulture
- Milch animals
- White Revolution
- Poultry
- Fish farming
- Sericulture
- Organic farming
- Green Revolution
- Animal husbandry
- Apiculture

February 2025

Revision

PORTION FOR FINAL TERM EXAMINATION

- 1.Transport in Plants
- 2.Reproduction in Plants
3. Ecosystems
4. Endocrine System and Adolescence
- 5.The Circulatory System
- 6.Nervous System
- 7.Diseases and First Aid
- 8.Food Production

❖ PROJECT WORK-(20 MARKS)

Chart preparation on different topics as allotted to each student.
