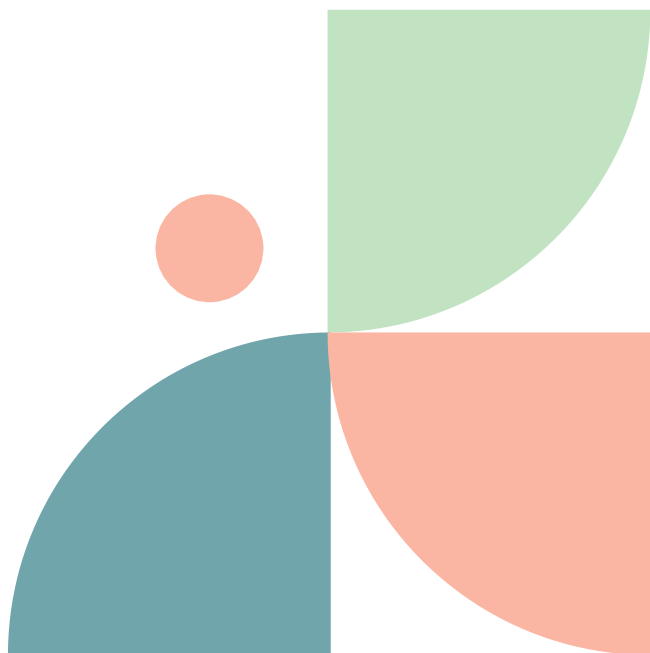


GOVERNMENT OF MEGHALAYA
DIRECTORATE OF EDUCATIONAL RESEARCH AND TRAINING
LAITUMKHRAH, NONGRIMMAW, SHILLONG- 793011

REVISED SYLLABUS

CLASSES VI-IX

2025



BACKGROUND NOTE

In accordance with the School Calendar for Academic Year 2025 (Notification No.EDN.168/2010/169 dated 20.12.2024), the Directorate of Educational Research and Training (DERT), as the Academic Authority for Meghalaya, has developed this revised syllabus for Classes 6-9.

The DERT has been entrusted with the responsibility of setting question papers for the following core subjects:

1. English
2. Modern Indian Languages (Khasi, Garo, Hindi)
3. Mathematics
4. Science
5. Social Science
6. Health and Physical Education

For all other subjects in the curriculum, schools will continue to conduct their own assessments, including the preparation of question papers.

The DERT has comprehensively revised and rationalized the syllabus for the above subjects to ensure educational quality and consistency. Final examination question papers will cover the entire syllabus as outlined in this document. This Revised Syllabus is to be implemented in all schools of Meghalaya.

The evaluation structure for each subject will follow the following distribution:

- 20 marks for Internal Assessment
- 80 marks for External Assessment

Both assessment components are to be designed to measure student achievement of competencies and grade-specific learning outcomes in alignment with educational standards.

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ENGLISH
CLASS VI
(External - 80 marks; Internal - 20 marks)

Pieces to be read:

A. Prose

(20 marks)

1. Who Did Patrick's Homework? - *Carol Moore*
2. How the Dog Found Himself a New Master!
3. Taro's Reward - *a Japanese story retold*
4. An Indian - American Woman in Space: Kalpana Chawla
5. A Different Kind of School - *E.V. Lucas*
6. Fair Play- *Premchand*

B. Poetry

(20 marks)

1. A House, A Home - *Lorraine M. Halli*
2. The Kite - *Harry Behn*
3. Beauty- *E-Yeh-Shure*
4. Where Do All the Teachers Go? - *Peter Dixon*
5. The Wonderful Words - *Mary O'Neill*
6. Vocation - *Rabindranath Tagore*

C. Supplementary Reader

(10 marks)

1. A Tale of Two Birds
2. The Friendly Mongoose - *a story from The Panchatantra*
3. The Shepherd's Treasure - *an Iranian folktale*
4. Tansen
5. The Monkey and the Crocodile - *a story from The Panchatantra*
6. A Pact with the Sun - *Zakir Husain*

D. Grammar and Composition

(30 marks)

1. The Sentence
2. The Noun
3. The Noun and its Number
4. The Noun and its Gender and Case
5. The Pronoun
6. The Personal Pronouns- Number, Gender and Case
7. The Adjective
8. The Adjective – Degree of Comparison
9. Determiners
10. The Verb
11. Subject- Verb Agreement
12. The Tense
13. The Adverb
14. The Preposition
15. The Conjunction
16. Active and Passive Voice
17. Direct and Indirect Speech

18. Synonyms and Antonyms
19. Words showing Collection
20. One word for a group of Words
21. Composition

Textbooks as prescribed by MBOSE:

1. **Honeysuckle** - Textbook in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002
2. **A Pact with the Sun** - Supplementary Reader in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

KHASI (MIL)
CLASS VI
(External - 80 marks; Internal - 20 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 6

Prose

(25 Marks)

- (1) U Mahatma Gandhi
- (2) U Stad Saïan ba Khrawnam
- (3) Ki Skei bad ki Jakoid
- (4) U Tirot Sing u Syiem jong ka Hima Nongkhlaw – I
- (5) U Tirot Sing u Syiem jong ka Hima Nongkhlaw – II
- (6) U Khla bad ki Masi Kyrtong

Poitri

(15 marks)

- (1) U Nongrep
- (2) Khynnah Tipsngi
- (3) Ka Jingjaipdeh

B. Ka Jingkieng Ksiar

(20 marks)

- (1) Ka Jingshisha
- (2) Siewspah ïa ka por
- (3) Ka Jingïadei Parabriew
- (4) Katto Katne ki sngi ba Kyrpang

K. Hints on the Study of the Khasi Language

(20 marks)

Grammar

1. The Nouns and Types of Nouns
2. Ktien Kynnoh
Kam-Jam haduh Kyrwiang-Kyrwit
3. Ka Ktien Khasi - Ki Adverb (Na ka Kot Pule Khasi Klas - 6)
4. Ka Ktien Khasi - Ki Adverb (shuh) bad ki Adjective (Na ka Kot pule Khasi Klas – 6)
5. Ka Ktien Khasi - Ki ktien ba ïajan jingmut (Synonyms) (Na ka Kot Pule Khasi Klas - 6)

Internal Assessment

(20 marks)

Esse (Essay), Letter writing, Creative writing, Reading, Comprehension, Dictation

Textbooks as prescribed by MBOSE:

- **Ka Kot Pule Khasi Klas – 6**
Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002
- **Ka Jingkieng Ksiar**
Ri Khasi Publication, Mawkhair, Shillong – 793001
- **Hints on the Study of the Khasi Language**
Ri Khasi Publication, Mawkhair, Shillong – 793001

GARO (MIL)
CLASS VI
(External - 80 marks; Internal - 20 marks)

Pieces to be read:

A. Prose **(40 marks)**

1. A. P. J. Abdul Kalam – *Seming D. Sangma*
2. Dikki Aro Bandi – *L. R. Marak*
3. Nosari Bandari – *L. D. Shira*
4. Jaktangon Bil – *K. M. Momin*
5. Nonoimung Chengari – *Dhoronsing K. Sangma*
6. Daud Aro Goliath (L.M. Holbrook, Sastroni Kattarang)

B. Poetry **(20 marks)**

1. Atchiram A-songtang – *M. K. Marak*
2. Askirang – *K. G. Momin*
3. Miktoksirang – *Clearson K. Sangma*
4. Ka-saa – *K. M. Momin*

C. Grammar & Composition **(10+10 marks)**

1. Revision Kattarangni Ma-arang
2. Noun Cases
3. Pronounni Ma-arang
4. Verbni Ma-arang/Mood
5. Adjectiveni Ma-arang

Paragraph Writing, Comprehension, Simple essay/Story Writing, Application writing, Kattatong Dakani, Aganme-apa, Katta Ku-jikse, Katta Dingtanggrikani,

Textbooks as prescribed by MBOSE:

- **Poraiani Ki-tap VI**
Unimind Publishing Group, Araimile, New Tura
- **A-chik Grammar** - E. G. Phillips
- **A-chik Composition & Essay** - K. M. Momin

HINDI (MIL)
CLASS VI

(External Marks: 80 Internal Marks: 20)

Pieces to be read:

A. Prose

(30 marks)

1. Dhanvarshan by *Hahjani Prasad Duwedi*
2. Manabta ke pujari - Rajandra Babu by *Ankit Kumar Srivastav*
3. Sawalamban by *Dr. Purnchand Tandan*
4. Tote ki siksha by *Rabindra Nath Tagore*
5. Pustak ki Aatma Katha by *Dr. Puranchand Tandan*
6. Saikil Ki Sawari by *Sudarshan*

B. Poetry

(20 marks)

1. Saraswati Vandana by *Suraykanth Tripathi Nirala*
2. Sarita ka jal by *Gopalsing Nepali*
3. Kalam Aaj unki Jai bol by *Ram Dhari Singh Dinkar*
4. Dohe ki sikh by *Kabir, Rahim, Tulsidas*

C. Grammar

(20 marks)

1. Bhasha evom vyakaran
2. Hindi ke varn
3. Vartani ke Niyam
4. Shabdh ke Bhed.
5. Sangya ke Bhed
6. Ling
7. Vachan
8. Kriya mein parivartan
9. Ashudh vakya ke shudh roop
10. Shabdh - Gyan.

D. Composition

(10 marks)

1. Patra Lekhan (letter writing)
2. Nibandh lekhan (essay writing)

Textbooks as prescribed by MBOSE:

1. Hindi Reader VI: Pallav Pathmala

2. Hindi Workbook VI: Pallav Athyas

- M/s Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi-110049.

3. Together with Hindi VI.

- M/s Rachna Sagar Pvt. Ltd., 4583/15, Daryaganj, Delhi.

4. Learn Hindi - Learn Khasi (Dictionary)

5. Learn Hindi - Learn Garo (Dictionary)

- M/s Gewali Publication, Upper Mawprem, Shillong -2.

MATHEMATICS
CLASS VI

Weightage and distribution of marks for External Assessment

(80 marks)

Unit	Contents	Marks
1	Knowing Our Numbers	06
2	Whole Numbers	05
3	Playing With Numbers	10
4	Basic Geometrical Ideas	06
5	Understanding Elementary Shapes	07
6	Integers	07
7	Fractions	08
8	Decimals	05
9	Data Handling	05
10	Mensuration	08
11	Algebra	06
12	Ratio and Proportion	07
	Total marks	80

1. Knowing Our Numbers

(06 marks)

Comparing Numbers - Shifting digits, Introducing 10000, Revisiting Place value, Introducing 100000, Larger Numbers, Reading and writing large numbers; Large Numbers in Practice.

2. Whole Numbers

(05 marks)

Predecessor and successor; Whole Numbers; The Number Line – Addition on the Number Line, Subtraction on the Number Line, Multiplication on the Number Line, Multiplication on the Number Line.

3. Playing With Numbers

(10 marks)

Factors and Multiples; Prime and Composite Numbers; Tests for Divisibility of Numbers – Divisibility by 10, 5, 2, 3, 6, 4, 8, 9, 11; Common Factors and Common Multiples; Prime Factorization; Highest Common Factor; Lowest Common Multiple; Some Problems on HCF and LCM.

4. Basic Geometrical Ideas

(06 marks)

Points; Line Segment; Line; Intersecting Lines; Parallel Lines; Ray; Curves; Polygons; Angles.

5. Understanding Elementary Shapes

(07 marks)

Measuring Line Segments - comparison by observation, tracing, using Ruler and a Divider; Angles – Right angle, Straight angle, Complete angle, Acute angle, Obtuse angle, Reflex angle; Measuring Angles; Perpendicular Lines; Classification of Triangles; Quadrilaterals; Polygons (up to 8 sides).

6. Integers

(07 marks)

Integers - Representation of Integers on a Number Line, Ordering of Integers; Addition of Integers, Addition of Integers on a Number Line; Subtraction of Integers with the help of a Number Line.

7. Fractions**(08 marks)**

A Fraction; Fraction on the Number Line; Proper Fractions; Improper and Mixed Fractions; Equivalent Fractions; Simplest Form of a Fraction; Like and Unlike Fractions; Comparing Fractions - Like Fractions, Unlike Fractions; Addition and Subtraction of Fractions – Like Fractions, Unlike Fractions, Mixed Fractions.

8. Decimals**(05 marks)**

Comparing Decimals; Using Decimals – Money, Length, Weight; Addition of Numbers with Decimals; Subtraction of Decimals.

9. Data Handling**(05 marks)**

Recording Data; Organisation of Data; Pictograph; Interpretation of a Pictograph.

10. Mensuration**(08 marks)**

Perimeter; Perimeter of a rectangle, square, equilateral triangle, regular polygon (upto 8 sides); Area; Area of a rectangle, square.

11. Algebra**(06 marks)**

Matchstick Patterns; Idea of a Variable; Examples of Variables.

12. Ratio and Proportion**(07 marks)**

Ratio; Proportion; Unitary Method.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/ Quiz, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 6, NCERT (Meghalaya Edition)**
Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar,
Guwahati – 781001

**SCIENCE
CLASS VI**

Weightage and distribution of marks for External Assessment

Unit	Contents	Marks
1	Components of Food	7
2	Sorting Materials into Groups	5
3	Separations of Substances	5
4	Getting to Know Plants	9
5	Body Movements	8
6	The Living Organisms Characteristics and Habitats	8
7	Motion and Measurement of Distances	10
8	Light, Shadows and Reflections	8
9	Electricity and Circuits	9
10	Magnets	6
11	Air Around Us	5
Total marks		80

Unit 1: Components of Food (7 marks)

What do Different Food Items Contain; Test for Starch, Test for Proteins, Test for Fats
What do Various Nutrients do for Our Body; Balanced Diet; Deficiency Diseases

Unit 2: Sorting Materials into Groups (5 marks)

Objects around Us; Properties of Materials

Unit 3: Separations of Substances (5 marks)

Methods of Separation

Unit 4: Getting to Know Plants (9 marks)

Herbs, Shrubs and Trees; Stem; Leaf; Root; Flower

Unit 5: Body Movements (8 marks)

Human Body and its Movements; Gait of Animals

Unit 6: The Living Organisms Characteristics and Habitats (8 marks)

Organisms and the Surroundings Where they Live; Habitat and Adaptation; A Journey through different Habitats; Characteristics of Organisms.

Unit 7: Motion and Measurement of Distances (10 marks)

Story of Transport; How Wide is this Desk; Some Measurements; Standard Units of Measurements; Correct Measurement of Length; Measuring the Length of a Curved line; Moving Things around us; Types of Motion.

Unit 8: Light, Shadows and Reflections (8 marks)

Transparent, Opaque and Translucent Objects; Shadows; Pin Hole Camera; Mirrors and Reflections

Unit 9: Electricity and Circuits**(9 marks)**

Electric Cell; A Bulb Connected to an Electric Cell; Electric Circuit; Electric Switch; Electric Conductors and Insulators.

Unit 10: Magnets**(6 marks)**

Magnetic and Non-Magnetic Materials; Poles of Magnet; Finding Directions; Make your own Magnet; Attraction and Repulsion between Magnets.

Unit 11: Air Around Us**(5 marks)**

Air is Present Everywhere around Us; Components of Air; How does Oxygen become Available to Animals and Plants living in Water and Soil; How the Oxygen in the Atmosphere is replaced

Internal Assessment**(20 marks)****Project Work:**

The following are the suggestive activities as per the section given:

Section A

1. Measure the length (using hand span) of - a table, height of a friend, a chair, a book, a school bag. Make a record of your measurements.
2. Make a sliding pin-hole camera using cardboard.
3. Collect pictures of 10 different materials which can be used as conductors or insulators. Paste the pictures as a set of conductors and another of insulators.
4. Make a list of 5 magnetic and non- magnetic substances that you see around.

Section B

1. From the List of substances provided below, sort out the substances that are soluble and insoluble in water.

Sl. No.	Substances	Soluble	Insoluble
1	Sugar		
2	Chalk powder		
3	Sand		
4	Lemon juice		
5	Oil		

2. Observe and List the activities that are carried out at home that demonstrates the following methods of separation

Sl. No	Methods	Activities
1	Hand picking	
2	Filtration	
3	Evaporation	
4	Sieving	
5	Decantation	

3. With an activity, show that Air occupies space using an empty bottle, water and a container or tumbler and report the observation.

Section C

1. Prepare a Balanced Diet chart by pasting the different components of food.
2. Make a model to depict the different parts of a plant or parts of a flower.
3. Demonstrate the germination of seeds by using any seeds.

Note:

1. **Students are to complete 4 Projects in an academic year with total marks of 20, covering at least one project from each section.**
2. **The teacher may use a rubric as an assessment tool for the project work.**
3. **Before final submission of the project work, demonstration or presentation is to be carried out individually or in group.**

Textbook as prescribed by MBOSE:

- **Science Class 6, NCERT (Meghalaya Edition)**

Published by- M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Panbazar, Guwahati - 781001

SOCIAL SCIENCE
CLASS VI
Course Structure

Sl. No.	Sections	Internal Assessment	External Assessment
1	History	7 marks	30 marks
2	Civics	6 marks	20 marks
3	Geography	7 marks	30 marks
	Total	20 marks	80 marks

Section-A: History

Unit 1: Sources of Ancient History-Written Records, Material Remains, Coins or Numismatics, Inscriptions, Oral Traditions.

Major Groups of Human Species (*For internal assessment only*)

Unit 2: Evolution of Man: The Earth and the Earliest Life of Human/ How Human appears on the Earth/ The Old Stone Age; the New Stone Age; the Metal Age and Iron Age.

Unit 3: The Earliest Civilisation: The Early Centres of Civilisation: Indus Valley Civilisation-Harappan Culture-Features and Decline

Unit 4: The Vedic Age (*For internal assessment only*): Origin of the Aryans, How the Aryans Settled in India? Expansion of the Aryans, Use of Iron in the Later Vedic Age, Social, Material, Religious and Political Life of the Aryans.

Unit 5: Early Kingdoms: Sources, Rise of Janapadas and Mahajanapadas, Political, Economic and Social-Religious Life of the People.

Case Study: For internal assessment only.

Unit 6: Emergence of New Religious Movements.

Jainism- Role of Vardhaman Mahavira in Jainism; Teachings of Jainism.

Buddhism- Role of Gautama Buddha in Buddhism, Teachings of Buddhism; Effects of Emergence of Religious Movements.

Unit 7: The Mauryan Age and India After the Mauryans.

The Mauryan Age

Role of Chandragupta and Chanakya in the establishment of the Mauryan Empire, Chandragupta, Bindusara and Ashoka as an Emperor of the Mauryan Empire; Features of the Mauryan Age

India After the Mauryans. (*For internal assessment only*)

The Shungas; the Kanvas; the Bactrians or Indo-Greeks; the Sakas; the Kushanas and the Satavahanas; Summary of their reign; Impact of Foreign Contacts

Unit 8: The Guptas and India After the Guptas.

The Guptas: Establishment of the Gupta Empire; Role of Samudragupta; Chandragupta Vikramaditya in the Gupta Empire; Gupta Empire as the Golden Age in Hindu India; Decline of the Gupta Empire.

India After the Guptas (For internal assessment only)

Hunas in Punjab and Kashmir during the Later Gupta Age; Emergence of Small States- Magadha, Vallabhi Kanauj, Malwa, Gauda, Thaneshwar, Kamarupa, Harsha and Bhaskaravarmana; Hieun Tsang – Chinese Traveller to India; Vakatakas, Pallavas and Chalukyas

Unit 9: Life in Villages and Towns.

Second Urbanisation; Reasons for the Growth of Cities; Use of Iron; Life in Villages; Use of Coins; Emergence of Guilds; Trade Route; Sources of Information: Archaeology-Pottery

Case Study: For internal assessment only

Unit 10: Religion and Culture (For internal assessment only)

The Vedas and Associated Texts, Mahabharata and Ramayana, Stories told by ordinary People- Jatakas and Panchatantra; Secular Literature; Foreign Travellers; Sangam Literature: Art and- Temples & Paintings, Science and Medicine

Unit 11: Financial Education (For internal assessment only): Barter System and Evolution of Money.

Section- B: Civics

Unit 1: Unity in Diversity: Diversity, Inequality, Our Culture - Diversity in Languages, Festivals, Dance and Music, Food, Clothes

Unity in Diversity: Diversity and Discrimination – Prejudice; Discrimination-Causes of Prejudice and Discrimination, Caste-based Discrimination; Fighting for Equality and Fundamental Rights

Unit 2: Government: Meaning; Functions; Levels and Forms of Government; Universal Adult Franchise and the Suffrage Movement.

Unit 3: Key Elements of Democracy: Democracy; Representative Democracy; Formation of the Government in India; Opposition; Features of Democracy; Advantages and Dis-Advantages of a Democratic Government; Essentials for Building Democracy.

Case Study: For internal assessment only

Unit 4: Administration- Panchayati Raj System, Urban Administration, District Administration

Panchayati Raj System.: Structure of the Panchayati Raj: Village Level Government: Gram Sabha, Gram Panchayat (Functions and Sources of Income), Block Level Government: Block Samiti (Composition, Functions, and Sources of Income); The District Level Government: Zila Parishad (Composition, Functions, and Sources of Income).

Urban Administration: Nagar Panchayat; Nagar Palika or Municipality-Composition; Nagar Nigam or Municipal Corporation- Composition; Committees- Functions and Sources of Income.

District Administration: Structure and Key Functions of District Administration; Judicial Administration.

Unit 5: Livelihoods (For internal assessment only): Rural Livelihoods – Rural Occupations; Story on Big Farmers; Small Farmer and Landless Labourer; Other Occupations and Measures Adopted by Government to Improve Rural Life; Urban Livelihoods–Types of Urban Jobs;

Permanent and Temporary Jobs; Problems of Urban Occupations; Street Vendors and Status of Women

Unit 6: Financial Education (*For internal assessment only*): Needs and Wants and Bills/Cash Memo.

Section - C: Geography

Unit 1: The Earth – Our Planet: The Earth and the Solar System; The Earth-Size and Shape and Other Heavenly Bodies; **Movements of the Earth** – The Earth and its Axis; Rotation of the Earth and Revolution

Latitudes and Longitudes (*For internal assessment only*): Globe; Latitudes and Longitudes and their uses; Lines on the Globe; Locating Places; Different Zones of the Earth.

Unit 2: Three Realms of Earth: The Earth and The Three Realms-Lithosphere (Continents), Landforms; Hydrosphere (Oceans); Atmosphere; Impact on Human Life.

Unit 3: India: Our Country – India; India Political - Location, Extent and Political Divisions; Physical Features of India- The Northern Mountains, Northern Plains, Great Indian Desert, Peninsular Plateau, Coastal Plains and Group of Islands.

Unit 4: India-Climatic Conditions, Natural Vegetation and Wildlife

Climatic Conditions- Weather, Climate, Factors Affecting Climate of India, Distribution of Rainfall, Cycle of Seasons, Monsoons; Natural Vegetation and Wildlife of India; Major Vegetation Regions; Importance of Forests and Conservation of Forests; Wildlife and Conservation

Unit 5: Emerging North-East India (*For internal assessment only*): Climatic Conditions; Capitals and Languages; People and Culture; Transportation; Occupation; Industries; Famous Places and Communication.

Unit 6: Meghalaya - An Overview: Climatic Conditions; Minerals found in Meghalaya; Power and Energy Distribution; Transportation and Major Occupations.

Unit 7: Natural Calamities (*For internal assessment only*): Natural Calamities; The Emergency Sequence and Community Help.

Unit 8: Traffic Signs and Signals (*For internal assessment only*): Types of Traffic Signs; Location of Road Signs; Traffic Light Signals.

Unit 9: Financial Education (*For internal assessment only*): Trade and Benefits of Trades.

Key instructions for teachers

Following are important instructions that need to be strictly followed by schools and teachers:

- Use prescribed Social Science MBOSE Textbook for the transaction of the syllabus.
- Both External and Internal Assessments for Classes VI -VIII and IX are to be oriented towards achieving NCERT's Learning Outcomes and Competencies spelled out in the National Curriculum Framework for School Education (NCFSE) 2023 for (Social Science/ Pages 325 to 330).
- Suggestive Formative Assessment strategies besides written tests\class tests for internal assessment across grades are field trips, project work, group discussions, written assignments, quizzes, timelines, concept maps, mind-maps, map skills, case studies,

experiential learning activities, role play, drawing, painting, model making, artefacts, journaling, think, pair and share, debate, portfolios, anecdotal records and others.

- Teachers can make assessments on individual and group presentations of students' projects and other activities for formative or internal assessment.
- Formative Assessment activities conducted individually and group can be done by developing assessment tools such as checklists, rubrics on a 3- point scale.
- Records of assessments of students should serve as evidence-based data which will be the basis for reporting of each student holistically.
- Allotment of marks class- wise and section wise have been given in the prescribed syllabus.
- The Questions for the Final External Assessment (Summative Assessment) at the end of the academic year will cover the entire syllabus of 80 marks. 20 marks is allotted for internal assessment of the whole curricular session.
- Question papers for the Final External Assessment will be externally set.

Textbook as prescribed by MBOSE:

- Orchid Social Sciences - VI

M/s Yogson International, H-159, Sector-12, Noida - 201301

HEALTH & PHYSICAL EDUCATION
CLASS VI
(External - 80 marks; Internal - 20 marks)

Unit I: Health and Hygiene <ul style="list-style-type: none"> • What is Health and Hygiene? • Rules of Health • Cleanliness
Unit II: Physical Exercise, Rest and Sleep <ul style="list-style-type: none"> • Importance of Physical Exercise • Rest and sleep
Unit III: Food and Nutrition <ul style="list-style-type: none"> • Balanced Diet • Foods Fads
Unit IV: Housing, Air and Water <ul style="list-style-type: none"> • Air-its impurities and Purification • Importance Sources and Purification of water
Unit V: Diseases and Disinfection <ul style="list-style-type: none"> • Role of Microbes • Communicable Diseases- Air-borne and water borne • Malaria, Filariases and Plague
Unit VI: Human Body <ul style="list-style-type: none"> • Sense organs and their Care
Unit VII: First Aid and Safety Habits <ul style="list-style-type: none"> • First Aid
Unit VIII: Adolescence Education <ul style="list-style-type: none"> • Gender Sensitivity
Unit IX: Social Awareness <ul style="list-style-type: none"> • Patient's Rights and Sports Awareness
Unit X: Swachh Bharat- Swachh Vidyalaya <ul style="list-style-type: none"> • Food Contamination and Prevention
Unit XI: A Healthy Way of Living <ul style="list-style-type: none"> • Yogic Practice • Surya Namaskara (The Sun Salutation) • Yoga for Health (Asanas)

Textbook as prescribed by MBOSE:

- Scholar's Health Education Book VI

M/s Scholar Publishing House (P) Ltd., 542/16, Joshi Road, Karol Bagh, New Delhi-110005

ENGLISH
CLASS VII
(External - 80 marks; Internal - 20 marks)

Pieces to be read:

A. Prose

(20 marks)

1. Three Questions - *Leo Tolstoy*
2. A Gift of Chappals - *Vasantha Surya*
3. Gopal and the Hilsa Fish
4. The Ashes That Made Trees Bloom - *William Elliot Griffis*
5. Quality - *John Galsworthy*
6. Expert Detectives - *Sharada Dwivedi*

B. Poetry

(20 marks)

1. The Squirrel - *Mildred Bowers Armstrong*
2. The Rebel - *D.J. Enright*
3. The Shed - *Frank Flynn*
4. Chivvy - *Michael Rosen*
5. Trees - *Shirley Bauer*
6. Mystery of the Talking Fan - *Maude Rubin*
7. Garden Snake - *Muriel L. Sonne*
8. Meadow Surprises - *Lois Brandt Philips*

C. Supplementary Reader

(10 marks)

1. The Tiny Teacher
2. Bringing up Kari - *Dhan Gopal Mukerji*
3. Golu Grows a Nose - *Rudyard Kipling*
4. Chandni - *Zakir Husain*
5. An Alien Hand - *Jayant Narlikar*

D. Grammar and Composition

(30 marks)

1. The Sentence
2. The Noun
3. The Pronoun
4. Determiners
5. The Adjective
6. The Verb
7. The Verb – Expressing the Present
8. The Verb – Expressing the Past
9. The Verb – Expressing the Future
10. Vocabulary
11. Comprehension
12. Paragraph Writing
13. Letter Writing

Textbooks as prescribed by MBOSE:

1. **Meghalaya English Reader 7** - Textbook in English for Class VII
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

2. **An Alien Hand** - Supplementary Reader in English for Class VII
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002

KHASI (MIL)
CLASS VII
(External - 80 marks; Internal - 20 marks)

Pieces to be Read:

A. Ka Lyngkha Sara Bynta – V

Ka Kot Pule Khasi Klas – VII

Prose

(24 marks)

- 1) Ka Thew ka Woh bad ka Kheif ka Diah u Khasi
- 2) Ka Kmie ki Baduk Tam
- 3) U Khlawait ki Pnar
- 4) U President ki Paidbah
- 5) U Hynfiew Trep
- 6) Ka Iew Luri Lura
- 7) U Mar Phalyngki

Poitri

(14 marks)

- 1) Kum ‘Per Syntiew
- 2) Ka Ri Khasi
- 3) Ka Sohra
- 4) I Mei I Pa

B. Ka Lyngkha Sara Bynta – V

Ka Kot Pyrshang Khasi Klas – VII

Supplementary Reading

- 1) Ka Thew ka Woh bad ka Kheif ka Diah U Khasi
- 2) Ka Kmie ki Baduk Tam
- 3) U Khlawait ki Pnar
- 4) U President ki Paidbah
- 5) U Hynfiew Trep
- 6) Ka Iew Luri Lura
- 7) U Mar Phalyngki
- 8) Kum ‘Per Syntiew
- 9) Ka Ri Khasi
- 10) Ka Sohra
- 11) I Mei I Pa

K. Ki Dienjat Ha U Shyiap

(14 marks)

Rapid Reader

- 1) U Syiem ka Jinglailuid
- 2) U Nongphawar na Mawmluh
- 3) “Katba ki Sngi ki nang Iaid”

D. Ka Jingsneng Tymmen Part – I

(5 marks)

Chapter I – X

E. Grammar & Composition**(23 marks)**

1. Ka Lyngkha Sara Bynta – V
 - i) Ki Ktien Tymmen (Lynnong -18)
2. Hints on the study of the Khasi Language
 - i) The Verbs
 - ii) Voice
 - iii) Auxiliary Verbs
 - iv) Tense
3. Ktien Kynnoh Dak-shin haduh lohthiah – ïohdem

Internal Assessment**(20 marks)**

Esse (Essay), Letter writing, Creative writing, Reading Comprehension, Dictation etc.

Textbooks as prescribed by MBOSE:

- **Ka Lyngkha Sara Bynta - V (Kot Pule & Kot Pyrshang)**
Hima Book Stall, Shillong-793002
- **Ki Dienjat ha u Shyiap**
Ri Khasi Publication, Mawkhar, Shillong – 793001
- **Ka Jingsneng Tymmen Part-I**
Ri Khasi Press, Umsohsun, Shillong – 793001
- **Hints on the Study of the Khasi Language**
Ri Khasi Publication, Mawkhar, Shillong – 793001

GARO (MIL)
CLASS VII
(External - 80 marks; Internal - 20 marks)

Pieces to be read:

A. Prose (40 marks)

1. Ku-siktangna Ka.saani – *L. D. Shira*
2. Wangala – *L. R. Marak*
3. Pakmao Nikronggijagipa Seani – *L. M. Holbrook, Sastroni Kattarang*
4. Minggitam U-ie Ra-na Nanggnirang – *Seming D. Sangma*
5. Pandit Jawaharlal Nehru – *Wennish K. Sangma*
6. Balgitchak Sikar Ka-a – *Mackenson Rongmuthu*

B. Poetry (20 marks)

1. Gamgipa – **Kosan G. Momin**
2. Mikbua – *Rev. G. K. Marak*
3. Hai Mo Chadamberang – *Rev. W. R. Marak*
4. Do-kua – *D. N. Sangma*

C. Grammar & Composition (10+10 marks)

1. Kattarangni Ma-arang – Revision
2. Verb -Tense
3. Adjectiveko Tosusaani
4. Adverbni Ma-a/Tosusaani/Napsikgipa Adverb
5. Case

Formal and Informal Letter Writing, Comprehension, Essay/Story Writing, Picture Description, Application /Invitation Writing, Katta Dingtanggrikani, Aganme-apa, Katta Ku-jikse, Dokbadale Seani.

Textbooks as prescribed by MBOSE:

- **Poraiani Ki-tap VII**
Unimind Publishing Group, Araimile, New Tura
- **A-chik Grammar** - E. G. Phillips
- **A-chik Composition & Essay** - K. M. Momin

HINDI (MIL)
CLASS VII

(External Marks: 80 Internal Marks: 20)

Pieces to be read:

A. Prose

(30 marks)

1. Yudh ke neta aur shanti ke Agradut - Lal Bahadur Shastri by *Puranchand Tandan*
2. Bhagat Singh ke Patra by *Bhagat Singh*
3. Aashirvachan by *Jayshankar Prasad*
4. Chori Aur Prayaschit by *Mohandas Karamchand Gandhi*
5. Jivan Aur Shikshan by *Aacharaya Vinoba Bhawe*
6. Chakrabhiu Bhedhak - Abhimanyu by *Dr. Puranchand Tandan*

B. Poetry

(20 Marks)

1. Shat Naman mera Tumhe by *Kedarnath Mishra 'Prabhat'*
2. Gulabi Churiyan by *Nagarjun*
3. Navyuvakon ke prati by *Maithalisharan Gupt*
4. Nitiparakh Dohe by *Vrind*

C. Grammar

(20 Marks)

1. Varnmala, Nagrilipi tatha Varn
2. Swaroon ki Matraien Evom Sangyugta Varn
3. Varno ke uchharan tatha Shudh Vartani
4. Sangya ke vikar
5. Karak
6. Visheshan: Bhed tatha Roop Rachana
7. Kriya: Bhed tatha Roop Rachana
8. Viram Chinha
9. Shabd – Bha
10. Muhawarien

D. Composition

(10 Marks)

1. Nibandh lekhan (Essay Writing)
2. Apathith Gadhyansh (Unseen Passage)

Textbooks as prescribed by MBOSE:

1. (a) **Hindi Reader VII Pallav Pathmala**
(b) **Hindi Workbook - VII Pallav Athyas**

- M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049

2. **Together with Hindi – VII**

-M/s Rachana Sagar Pvt. Ltd. 4583/15, Daryagunj, Delhi

3. **Learn Hindi- Learn Khasi (Dictionary)**

4. **Learn Hindi - Learn Garo (Dictionary)**

- M/s Gewali Publication, Upper Mawprem, Shillong -2

MATHEMATICS
CLASS VII

Weightage and distribution of marks for External Assessment

(80 marks)

Unit	Contents	Marks
1	Integers	6
2	Fractions and Decimals	8
3	Data Handling	6
4	Simple Equations	6
5	Lines and Angles	7
6	The Triangle and its Properties	7
7	Comparing Quantities	6
8	Rational Numbers	6
9	Perimeter and Area	7
10	Algebraic Expressions	6
11	Exponents and Powers	7
12	Symmetry	4
13	Visualising Solid Shapes	4
	Total marks	80

1. Integers

(6 marks)

Properties of addition and subtraction of integers – closure property, commutative property, associative property, additive identity; multiplication of integers – positive and negative integers, two negative integers; properties of multiplication of integers – closure property, commutative property, multiplication by zero, multiplicative identity, associative property, distributive property; division of integers; properties of division of integers.

2. Fractions and Decimals

(8 marks)

Multiplication of fractions - multiplication of a fraction by a whole number, multiplication of a fraction by a fraction; division of fractions - division of a whole number by a fraction, division of a fraction by a whole number, division of a fraction by another fraction; multiplication of decimal numbers; multiplication of decimal numbers by 10, 100 and 1000; division of decimal numbers – division by 10, 100, and 1000, division of a decimal number by a whole number, division of a decimal number by another decimal number.

3. Data Handling

(6 marks)

Representative values; arithmetic mean, range; mode, mode of large data; median; use of bar graphs.

4. Simple Equations

(6 marks)

Setting up of an equation; variable; what is an equation, solving an equation, more equations; applications of simple equations to practical situations.

5. Lines and Angles

(7 marks)

Recall a line segment, line, angle; related angles – complementary angles, supplementary angles; pair of lines – intersecting lines, transversal, angles made by a transversal, transversal of parallel lines; checking for parallel lines.

6. The Triangle and its Properties

(7 marks)

Medians of a triangle; altitudes of a triangle; exterior angle of a triangle and its property; angle sum property of a triangle; two special triangles – equilateral, isosceles; sum of the lengths of two sides of a triangle; right-angled triangles and Pythagoras property.

7. Comparing Quantities**(6 marks)**

Meaning of percentage, converting fractional numbers to percentage, converting decimals to percentage, converting percentages to fractions or decimals; uses of percentages – interpreting percentages, converting percentages to ‘how many’, ratios to percents, increase or decrease as percent; prices related to an item or buying and selling, profit or loss as a percentage; charge given on borrowed money or simple interest, interest for multiple years.

8. Rational Numbers**(6 marks)**

Need for rational numbers; what are rational numbers, equivalent rational numbers; positive and negative rational numbers; rational numbers on a number line; rational numbers in standard form; comparison of rational numbers; rational numbers between two rational numbers; operations on rational numbers – addition, subtraction, multiplication, division.

9. Perimeter and Area**(7 marks)**

Area of a parallelogram; area of a triangle; circles – circumference of a circle, area of a circle.

10. Algebraic Expressions**(6 marks)**

How are expressions formed; terms of an expression, factors of a term, coefficients; like and unlike terms; monomials, binomials, trinomials, polynomials; finding the value of an expression.

11. Exponents and Powers**(7 marks)**

Exponents; laws of exponents – multiplying powers with the same base, dividing powers with the same base, taking power of a power, multiplying powers with the same exponents, dividing powers with the same exponents; miscellaneous examples using the laws of exponents; decimal number system; expressing large numbers in standard form.

12. Symmetry**(4 marks)**

Line symmetry, lines of symmetry for regular polygons; rotational symmetry – centre of rotation, angle of rotation, order of rotational symmetry.

13. Visualising Solid Shapes**(4 marks)**

Plane (2-D) figures and solid (3-D) shapes; solid shapes – faces, edges, vertices.

Portions for demonstration & activities only: - nets for building 3-D shapes; drawing solids on a flat surface – oblique sketches, isometric sketches; visualising solid objects; viewing different sections of a solid – by cutting or slicing, by looking at it from certain angles to get different views.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/ Quiz, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:**- Mathematics Class 7, NCERT (Meghalaya Edition)**

Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar, Guwahati - 781001

**SCIENCE
CLASS VII**

Weightage and distribution of marks for External Assessment

Unit	Contents	Marks
1	Nutrition in Plants	6
2	Nutrition in Animals	5
3	Heat	6
4	Acids, Bases & Salts	6
5	Physical and Chemical Changes	7
6	Respiration in Organisms	7
7	Transportation in Animals and Plants	6
8	Reproduction in Plants	6
9	Motion and Time	7
10	Electric Current and its Effects	6
11	Light	8
12	Forests- Our Lifeline	5
13	Waste Water Story	5
Total marks		80

Unit 1: Nutrition in Plants

(6 marks)

Mode of Nutrition in Plants; Photosynthesis; Other Modes of Nutrition in Plants; Saprotrophs

Unit 2: Nutrition in Animals

(5 marks)

Different ways of taking Food; Digestion in Humans; Digestion in Grass- Eating Animals; Feeding and Digestion in Amoeba

Unit 3: Heat

(6 marks)

Hot and Cold; Measuring Temperature; Laboratory Thermometer; Transfer of Heat; Kinds of Clothes we Wear in Summer & Winter.

Unit 4: Acids, Bases & Salts

(6 marks)

Acids and Bases; Natural Indicators around Us; Neutralization & its use in Everyday Life

Unit 5: Physical and Chemical Changes

(7 marks)

Physical Changes; Chemical Changes; Rusting of Iron; Crystallization

Unit 6: Respiration in Organisms

(7 marks)

Why do we Respire; Breathing; How do we Breathe; What do we breathe out; Breathing in other Animals; Breathing under Water; Do Plants also Respire?

Unit 7: Transportation in Animals and Plants

(6 marks)

Circulatory System; Excretion in Animals; Transport of Substances in Plants

Unit 8: Reproduction in Plants

(6 marks)

Modes of Reproduction; Sexual Reproduction; Fruits and Seed Formation; Seed Dispersal

Unit 9: Motion and Time

(7 marks)

Slow or Fast Motion; Speed; Measurement of Time; Measuring Speed; Distance- Time Graph

Unit 10: Electric Current and its Effects

(6 marks)

Symbols of Electric Components; Heating Effect of Electric Current; Magnetic Effects of Electric Current; Electro Magnet; Electric Bell

Unit 11: Light

(8 marks)

Light travels along a straight line; Reflection of Light; Right or Left Image; Spherical Mirrors; Images formed by Lenses; Sunlight- White or coloured.

Unit 12: Forests- Our Lifeline**(5 marks)**

Visit to a Forest

Unit 13: Waste Water Story**(5 marks)**

Water -our Lifeline; Sewage; Water freshens up; Waste-Water Treatment Plant (WWTP); Better Housekeeping Practices; Sanitation and Disease; Alternative arrangement for sewage disposal; Sanitation at Public Places.

Internal Assessment**(20 marks)****Project Work:**

The following are the suggestive activities as per the section given:

Section A

1. Write 5 examples of motion and identify the type of motion (periodic/ straight/ circular...) in each case.
2. To measure the speed of a ball moving along the ground by measuring time and distance.
3. To make an electric circuit using a battery, wire, pins and a bulb to demonstrate the glowing of a bulb.
4. Make Newton's disc to demonstrate that white light is composed of seven (7) component colours.

Section B

1. Measure temperature of liquids (tap water, milk, juice, oil etc.) and compare the temperatures of different liquids using a laboratory thermometer.
2. Make a list of ten (10) substances used in the kitchen. Classify these as acids and bases by using litmus paper.
3. Classify the changes involved in the following processes as physical or chemical changes with valid reasons- (a) Cooking of food (b)Melting of chocolate in the mouth (c) Cutting of fruits (d)Burning of firewood (e)Fermentation of fruits to wine.

Section C

1. Prepare a model to illustrate the process of photosynthesis.
2. Prepare a model to illustrate the arrangement of different types of teeth in human beings and specify the use of each type.
3. Devise an experiment to show the mechanism of breathing in human.
4. Find out the blood group of your family members and state the importance of different blood groups.
5. Demonstrate the process of vegetative propagation using potato, ginger, turmeric or any other vegetable.

Note:

1. Students are to complete 4 Projects in an academic year with a total marks of 20, covering at least one project from each section.
2. The teacher may use a rubric as an assessment tool for the project work.
3. Before final submission of the project work, demonstration or presentation are to be carried out individually or in group.

Textbook as prescribed by MBOSE:

- **Science Class 7, NCERT (Meghalaya Edition)**

Published by- M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Panbazar, Guwahati - 781001

SOCIAL SCIENCE**CLASS VII****Course Structure**

Sl. No	Sections	Internal Assessment	External Assessment
1	History	7 marks	30 marks
2	Civics	6 marks	20 marks
3	Geography	7 marks	30 marks
	Total	20 marks	80 marks

Section-A: History

Unit-1: The Rajput Kingdoms in India: Origin of the Rajputs; The Rajput Kingdoms of North India and South India Break-up of Rajput Kingdoms; Kingdoms of South India during the Rajput Age; Society and Culture in the Rajput Period (Administrative System, Society, Art and Literature).

Unit- 2: Turkish Invasion on India (*For internal assessment only*): Invasion of Mahmud Ghaznavi; Mohammad Ghori, and Qutub-ud-Din Aibak.

Unit- 3: The Sultanate of Delhi: The Slave Dynasty; The Khilji Dynasty; Tughlaq Dynasty; The Sayyid Dynasty (1414 – 51 A.D.); The Lodhi Dynasty (1451 – 1526 A.D.); Life under the Delhi Sultans

Unit- 4: Towns, Traders and Craftsmen (*For internal assessment only*): Towns; Small and Big Traders.

Case Study on Hampi, Masulipatnam and Surat

Unit- 5: Mughals in India: Who were the Mughals? Reign of Babur; Humayun; Sher Shah Suri; Akbar; Jehangir; Shah Jahan; Aurangzeb; Social, Economic and Cultural Conditions under the Mughal Rule; Decline of the Mughal Empire.

Unit-6: Bhakti and Sufi Movements (*For internal assessment only*): *Bhakti Movements*-Ramananda, Kabir, Namdev, Guru Nanak, Chaitanya Mahaprabhu, Sri Sankardev; *Sufism*-Nizam-ud-Din Aulia and Khwaja Moin-ud-Din Chisti; Regional Languages.

Unit- 7: The Vijayanagar Kingdom and the Bahmani Kingdoms.

Vijayanagar Kingdom -Sangam Dynasty, Saluva Dynasty, Taluva Dynasty (Administration, Social Conditions, Literature, Art).

The Bahmani Kingdom-Ala-ud-Din Bahman Shah, Mohammad Shah I, Mohammad Shah-II, Ahmad Shah, Mohammad Shah-III, Mahmud Shah; Social Conditions, Art and Learning.

Unit- 8: Financial Education. (*For internal assessment only*): Need and Sources of Borrowing; Role and Functions of the RBI.

Section - B: Civics

Unit-1: Constitution of India: Origin of the Constitution, The Constituent Assembly; The Constitution; The Preamble –. Democracy, Religious Freedom, Equality and an Instrument of Change; Chief Features of the Indian Constitution; Fundamental Rights and Duties.

Unit-2: Law-making Bodies: Union Government- Lok Sabha, Rajya Sabha; State Legislatures- Vidhan Sabha and Vidhan Parishad.

Unit-3: How does the Parliament Act? (*For internal assessment only*): The Speaker; Chairman of the Rajya Sabha, Comparison; Functions of Parliament and Law-making Process and Miscellaneous Functions.

Unit-4: The Central Government and The State Government.

The Central Government: The State List; The Union List; The Concurrent List; How Laws are Executed? The President; The Vice-President; The Council of Ministers; The Prime Minister; Cabinet; Civil Services.

The State Government – The Executive; The Governor; The Chief Minister; State Civil Services

Unit-5: Judicial System of India.: The Offenders; Criminal and Civil Cases; the Supreme Court; High Courts; Subordinate Courts.

Unit-6: Financial Education (*For internal assessment only*): Consumer Protection and Introduction to Banking

Section-C: Geography

Unit-1: The Environment (*For internal assessment only*): Natural Environment- Lithosphere, Hydrosphere, Atmosphere, Biosphere and Ecosystem; Human Environment – Settlements, Types of Settlements, Transport and Communication.

Unit-2: Lithosphere and Hydrosphere: The Hot Interior; Four Shells; The Lithosphere - Minerals and Land Forms; *Hydrosphere* – Ocean (waves, tides, ocean currents- causes and influences); Type of Precipitation.

Unit-3: Weather and Climate (Meaning and Differences): Water Vapour, Evaporation, Humidity; Condensation- Forms; Type of Precipitation.

Unit-4: Natural Vegetation and Wildlife (*For internal assessment only*): Forests and its Classifications; Mediterranean Vegetation, Coniferous Forests, Benefits of Forests; Grasslands- Tropical and Temperate Shrubs; Desert and Tundra; Wildlife- Animals in the Tropical, Temperate, Grasslands, Deserts and Cold Regions

Unit-5: Life in the Tropical, Sub- Tropical Regions, Temperate Grasslands, Deserts: Life in the Tropical; Sub tropical Regions -The Amazon Basin; Life in the Sub tropical Regions -The Ganga-Brahmaputra Basin.; Life in the Temperate Grasslands – Grasslands, The Prairies and The Velds; Life in the Deserts - Hot Deserts and Cold Desert.

Unit-6: Major Physical Divisions of India: Physical Features: Mountains-Himalayas, Plains-The Northern Fertile Plains; Deserts- Great Indian Desert; The Deccan Plateau; Coastal Plains.

Unit-7: Meghalaya – An Overview: History; Geography; Climate; People and Languages; Occupation; Industries; Minerals; Power and Energy; Transportation and Polity.

Unit-8 Managing Disasters (*For internal assessment only*): Consequences of Disasters; Disaster Preparedness; Natural Disaster - Earth quakes, Cyclones, Floods, Drought; Man-made Disaster- Nuclear Disaster, Traffic Accidents and Weapons of Mass-Destruction (WMD).

Unit-9: Road Safety and Road Etiquettes (*For internal assessment only*): Need of Road Safety and Road Etiquettes.

Unit-10: Financial Education (*For internal assessment only*): Banking: Types of Accounts and Banking: With New Technology.

Key instructions for teachers

Following are important instructions that need to be strictly followed by schools and teachers:

- Use prescribed Social Science MBOSE Textbooks for the transaction of the syllabus.
- Both External and Internal Assessments for Classes VI -VIII and IX are to be oriented towards achieving NCERT's Learning Outcomes and Competencies spelled out in the National Curriculum Framework for School Education (NCFSE) 2023 for (Social Science/ Pages 325 to 330).
- Suggestive Formative Assessment strategies besides written tests\class tests for internal assessment across grades are field trips, project work, group discussions, written assignments, quizzes, timelines, concept maps, mind-maps, map skills, case studies, experiential learning activities, role play, drawing, painting, model making, artefacts, journaling, think, pair and share, debate, portfolios, anecdotal records and others.
- Teachers can make assessments on individual and group presentations of students' projects and other activities for formative or internal assessment.
- Formative Assessment activities conducted individually and group can be done by developing assessment tools such as checklists, rubrics on a 3- point scale.
- Records of assessments of students should serve as evidence-based data which will be the basis for reporting of each student holistically.
- Allotment of marks class- wise and section wise have been given in the prescribed syllabus.
- The Questions for the Final External Assessment (Summative Assessment) at the end of the academic year will cover the entire syllabus of 80 marks. 20 marks is allotted for internal assessment of the whole curricular session.
- Question papers for the Final External Assessment will be externally set.

Textbook as prescribed by MBOSE:

- Orchid Social Sciences - VII

M/s Yogson International, H-159, Sector-12, Noida - 201301

HEALTH & PHYSICAL EDUCATION
CLASS VII
(External - 80 marks; Internal - 20 marks)

Unit I: Art of Living Together <ul style="list-style-type: none">• Man, Community and Health
Unit II: The House and its Surroundings <ul style="list-style-type: none">• Site for a Dwelling House• Household Pests and Their Eradication• Sanitary Arrangements in Dwelling Houses
Unit IV: Food and Nutrition <ul style="list-style-type: none">• Constituents of Food• Balanced Diet, Malnutrition and Deficiency Diseases• Cooking and Preservation of Food
Unit V: Organization of Public Health in State <ul style="list-style-type: none">• Public Health Institution
Unit VIII: First Aid and Safety Habits <ul style="list-style-type: none">• Home Safety, Road Safety and School Safety
Unit IX: Physical Exercise <ul style="list-style-type: none">• Beneficial Effects of Physical Exercises
Unit X: Human Body <ul style="list-style-type: none">• Skeletal and Muscular Systems• Respiratory and Excretory Systems• Digestive, Circulatory and Nervous Systems
Unit XI: Adolescence Education <ul style="list-style-type: none">• Peer Pressure
Unit XII: Social Awareness <ul style="list-style-type: none">• Social Health
Unit XIII: Yoga – A healthy Way of Living <ul style="list-style-type: none">• Flexibility• Kriya and Pranayana• Asanas for Flexibility

Textbook as prescribed by MBOSE:

- Scholar's Health Education Book VII

M/s Scholar Publishing House (P) Ltd., 542/16, Joshi Road, Karol Bagh, New Delhi-110005

ENGLISH
CLASS VIII
(External - 80 marks; Internal - 20 marks)

Pieces to be read:

A. Prose (20 marks)

1. The Best Christmas Present in the World - *Michael Morpurgo*
2. The Tsunami
3. Glimpses of the Past - *S.D. Sawant*
4. Bepin Choudhury's Lapse of Memory - *Satyajit Ray*
5. This is Jody's Fawn - *Marjorie Kinnan Rawlings*
6. A Visit to Cambridge - *Firdaus Kanga*

B. Poetry (20 marks)

1. The Ant and the Cricket - *adapted from Aesop's Fables*
2. Geography Lesson - *Zulfikar Ghose*
3. The Last Bargain - *Rabindranath Tagore*
4. The School Boy - *William Blake*
5. On the Grasshopper and Cricket - *John Keats*

C. Supplementary Reader (10 marks)

1. How the Camel got his hump - *Rudyard Kipling*
2. Children at work - *Gita Wolf, Anushka Ravishankar, Orijit Sen*
3. The Selfish Giant - *Oscar Wilde*
4. The treasure within
5. Princess September - *Somerset Maugham*
6. Jalebis - *Ahmed Nadeem Qasmi*

D. Grammar and Composition (30 marks)

1. Comparison of Adjectives
2. Comparison of Adverbs
3. Preposition used after Nouns
4. Active and Passive Voice
5. Vocabulary
6. Comprehension
7. Notice Writing (Long Composition)
8. Word Building
9. Idiomatic Expressions
10. Diary Writing

Textbooks as prescribed by MBOSE:

1. **Honeydew** - Textbook in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002
2. **It so happened** - Supplementary Reader in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhair Point, Iewduh, Shillong

KHASI (MIL)
CLASS VIII
(External - 80 marks; Internal - 20 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 8

Prose

(25 Marks)

- 1) Ki Syiem Khasi bad Synteng Ki Syiem Malngiang
- 2) Ka Behdiengkhlam ha Jowai
- 3) Ka Mrs. Sarojini Naidu
- 4) Ka Leit Jingleit Duriaw u Columbus
- 5) Kumno ban kyntiew ĩa ki shnong jong ngi ha ka Rep ka Rieng bad ka Trei ka Ktah
- 6) Ka Aĩĩ ka Jingkoit Jingkhiah
- 7) Ka Jingsuidĩiew ĩa kiba rit
- 8) Ka Dorbar Hima ki Khasi

Poitri

(15 Marks)

- 1) Kiba Khraw ki sdang na kiba rit
- 2) Ka lynti sha ka Jinglailuid
- 3) Ki Sngi Barim u ĩĩi u Kong

**B. Ki Dienjat Ha u Shyiap
Rapid Reader**

(20 marks)

- i) U Dieng Phasi
- ii) U Kpa ka saiĩ Pyrthei ha Ri Khasi Jaiĩĩtia

Ki Khanatang u Barim:

- i) Ka Umĩam Khwan bad ka Umkhen

K. Ka Jingsneng Tymmen Part I

(6 marks)

Chapter XI - XX

D. Hints on the study of the Khasi Language

(14 marks)

Grammar & Composition

- 1) The Adjectives
- 2) Ktien Kynnoh: Ja - Jhur haduh Otdoh - Otkah.

Internal Assessment

(20 marks)

Esse (Essay), Letter Writing, Precis Writing, Creative Writing, Group Discussion, Debate, Extempore Speech etc.

Textbooks as prescribed by MBOSE:

- **Ka Kot Pule Khasi Klas – 8**
Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002
- **Ki Dienjat ha u Shyiap**
Ri Khasi Publication, Mawkhari, Shillong – 793001
- **Ki Khana Tang Uba Rim**
Don Bosco Publication, Laitumkhrah, Shillong-793003
- **Ka Jingsneng Tymmen Part-I**
Ri Khasi Press, Umsohsun, Shillong – 793001
- **Hints on the Study of the Khasi Language**
Ri Khasi Publication, Mawkhari, Shillong – 793001

**GARO (MIL)
CLASS VIII**

(External - 80 marks; Internal – 20 marks)

Pieces to be read:

A. Prose

(40 marks)

- 1) Do-baki Watre Momin – *L. R. Marak*
- 2) Atchiram Song – *L. D. Shira*
- 3) Mephiboseth – *L. M. Holbrook, Sastroni Kattarang*
- 4) A·chik Oikor – *L. D. Shira*
- 5) A·chikrangni A·chik A·songona Re·ba Dobachengani – *Dr. Milton S. Sangma*

B. Poetry

(20 marks)

1. Bidan Chimik – *Surendra S. Marak*
2. Chakat Chadamberang – *L. R. Marak*
3. Miksongani – *Jonmoni D. Shira*
4. Ma·ani Ka·saa – *Herilla B. Sangma*
5. Me·mang A·song – *L. R. Marak*

C. Grammar & Composition

(10+10 marks)

1. Kattarangni Ma·arang- Revision
2. Tense
3. Phrase/Clause
4. Sentenceni Ma·arang
5. Verbni Ma·a/Participle/Verbal Adjective/ Verbal Noun
6. Adverbni Ma·arang/Tosusaani/Napsikgipa Adverb

Formal and Informal Letter Writing, Comprehension, Essay/ Story Writing, Aganme·apa, Katta- Ku·jikse and Dokbadale Seani, Katta Dingtanggrikani,

Textbooks as prescribed by MBOSE:

- **Poraiani Ki·tap VIII**
M/S Unimind Publishing Group, Araimile, New Tura
- **A·chik Grammar** - E. G. Phillips
- **A·chik Composition** – K.M. Momin

HINDI (MIL)

CLASS VIII

(External Marks: 80 Internal Marks: 20)

Pieces to be read:

A. Prose

(30 marks)

1. Rajendra babu by *Mahadevi Verma*
2. Desh bhakti-ek naitik gun by *Dr. Puranchand Tandan*
3. Premchand ke fate jute by *Harishankar Parshai*
4. Bhagat Singh ki Toli by *Ram Niranjana Sharma*
5. Hamara Swatantrata Sangram by *Dr. Alok Ranjan Pandey*
6. Aadarsh Mahila - Sita by *Dr. Puranchand Tandan*

B. Poetry

(20 marks)

1. Ram aur Kevat by *Tulsi Das*
2. Basanti Hawa by *Kedarnath Agarwal*
3. Krishna ki Chetavani by *Ramdhari Singh Dinkar*
4. Kaidi aur Kokila by *Makhanlal Chaturvedi*

C. Grammar

(20 marks)

1. Vyakaran ke Prayojan
2. Varno ka Uchharan
3. Vartani ke Niyam
4. Sangya Karak
5. Sandhi
6. Samas
7. Sudh - Asudh Vayak
8. Samanarthak Sabdh (Paryayvachi Sabdh)
9. Anek Sabdh ke liye ek sabdh
10. Lokoktiyan

D. Composition

(10 marks)

Anuched- lekhan (Paragraph-writing)

Nibandh lekhan (Essay writing)

Textbooks as prescribed by MBOSE:

1. (a) **Hindi Reader VIII: Pallav Pathmala**
(b) **Hindi Workbook – VIII: Pallav Athyas**

- M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049

2. **Together with Hindi – VIII**

- M/s Rachana Sagar Pvt. Ltd. 4583/15, Dariyaganj, Delhi

3. **Learn Hindi- Learn Khasi (Dictionary)**

4. **Learn Hindi - Learn Garo (Dictionary)**

- M/s Gewali Publication, Upper Mawprem, Shillong – 2.

MATHEMATICS**CLASS VIII****Weightage and distribution of marks for External Assessment (80 marks)**

Unit	Contents	Marks
1	Rational Numbers	5
2	Linear Equations in one variable	5
3	Understanding Quadrilaterals	7
4	Data Handling	6
5	Squares and Square Roots	8
6	Cubes and Cubes Roots	5
7	Comparing quantities	7
8	Algebraic Expressions and Identities	6
9	Mensuration	8
10	Exponents and Powers	5
11	Direct and Inverse Proportions	6
12	Factorisation	7
13	Introduction to Graphs	5
	Total marks	80

1. Rational Numbers (5 marks)

Properties of Rational Numbers - Closure Property, Commutative Property, Associative Property, Role of 0 (additive identity), Role of 1 (multiplicative identity), Distributivity of multiplication over addition of rational numbers.

2. Linear Equations in one variable (5 marks)

Algebraic expressions and equations, Equation having variable on both sides, Reducing equations.

3. Understanding Quadrilaterals (7 marks)

Convex and Concave Polygons, Regular and Irregular Polygons, Measures of Exterior Angles of Polygon; Types of Quadrilaterals, Trapezium, Kite, Parallelogram, Angles and properties of parallelogram; Special parallelograms, Rhombus, Rectangle, Square.

4. Data Handling (6 marks)

Graphical representation of data - Circle graph or pie chart; Chance and probability, Getting a result, Equally likely outcomes, Linking chances to probability, Outcomes as events, Chance and probability related to real life.

5. Squares and Square Roots (8 marks)

Properties of square numbers; Patterns of numbers, Adding triangular numbers, Numbers between square numbers, Adding odd numbers, Sum of consecutive natural numbers, Product of two consecutive even or odd natural numbers; Square of number, Patterns in squares, Pythagorean triplets; Square roots by repeated subtraction, Square roots by prime factorization, Square roots by division method; Square roots of decimals.

6. Cubes and Cubes Roots**(5 marks)**

Perfect cubes or cube numbers, Adding consecutive odd numbers, Cubes and their prime factors, Smallest multiple which is perfect cube; Cube roots by prime factorization.

7. Comparing quantities**(7 marks)**

Ratios and Percentages; Discount, Estimation in percentages; Sale Tax/Value Added Tax/ Goods and Services Tax; Compound interest, Deducing formula for Compound Interest, Application of Compound Interest Formula.

8. Algebraic Expressions and Identities**(6 marks)**

Addition and Subtraction of algebraic expressions, Multiplication of algebraic expressions, Multiplying monomial by a monomial, Multiplying monomial by a polynomial, Multiplying a polynomial by a polynomial.

9. Mensuration**(8 marks)**

Area of a polygon, Aman's method, Ridhima's method; Solid shapes, Surface area of cube, Cuboid and cylinder; Volume and Capacity of cube, cuboid and cylinder.

10. Exponents and Powers**(5 marks)**

Powers with Negative Exponents, Laws of Exponents, Use of Exponents to express small numbers in standard form.

11. Direct and Inverse Proportions**(6 marks)**

Direct Proportion, Inverse Proportion.

12. Factorisation**(7 marks)**

Factors of natural numbers and algebraic expressions; Methods of factorization- common factors, regrouping terms, using identities, factors of the form $(x + a)(x + b)$; Division of Algebraic Expressions- Monomial by monomial, polynomial by monomial, polynomial by polynomial.

13. Introduction to Graphs**(5 marks)**

A line graph- Linear, x- coordinate, y- coordinate; Application of line graph- Quantity and cost, Principal and simple interest, Time and distance.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/ Quiz, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 8, NCERT (Meghalaya Edition)**
Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

**SCIENCE
CLASS VIII**

Weightage and distribution of marks for External Assessment

Unit	Contents	Marks
1	Crop Production and Management	7
2	Micro-organisms- Friend and Foe	7
3	Coal and Petroleum	7
4	Combustion and Flame	8
5	Conservation of Plants and Animals	6
6	Reproduction in Animals	5
7	Reaching the Age of Adolescence	6
8	Force and Pressure	7
9	Friction	5
10	Sound	5
11	Chemical Effects of Electric Current	5
12	Some Natural Phenomena	5
13	Light	7
Total marks		80

Unit 1: Crop Production and Management (7 marks)

Agricultural Practices; Basic Practices of Crop Production; Preparation of soil; Sowing; Adding Manure and Fertilizers; Irrigation; Protection from Weeds; Harvesting; Storage

Unit 2: Micro-organisms- Friend and Foe (7 marks)

Micro- organisms; Where do Micro-organisms Live; Micro-organisms and Us; Harmful Micro-organisms; Food Preservation; Nitrogen Fixation; Nitrogen Cycle

Unit 3: Coal and Petroleum (7 marks)

Coal; Petroleum; Natural Gas; Some Natural Resources are Limited

Unit 4: Combustion and Flame (8 marks)

Combustion; How to control fire; Types of Combustion; Flame; Structure of a Flame; Fuel; Fuel Efficiency

Unit 5: Conservation of Plants and Animals (6 marks)

Deforestation and its Causes; Consequences of Deforestation; Conservation of Forest and Wildlife; Biosphere Reserve; Flora and Fauna; Endemic Species; Wildlife Sanctuary; National Park; Red Data Book; Migration; Recycling of Paper; Re-forestation

Unit 6: Reproduction in Animals (5 marks)

Modes of Reproduction; Sexual Reproduction; Asexual Reproduction

Unit 7: Reaching the Age of Adolescence (6 marks)

Adolescence and Puberty; Changes at Puberty; Secondary Sexual Characters; Role of Hormones in Initiating Reproductive Function; How the Sex of the Baby is determined; Hormones other than sex hormones; Role of hormones in completing the life history of insects and frogs; Reproductive Health

Unit 8: Force and Pressure**(7 marks)**

Force- a Push or a Pull; Forces are due to an Interaction; Exploring Forces; Force can change the State of Motion; Force can change the Shape of an Object; Contact Forces; Non- Contact Forces; Pressure; Pressure exerted by Liquids and Gases; Atmospheric Pressure

Unit 9: Friction**(5 marks)**

Force of Friction; Factors affecting Friction; Friction: a necessary evil; Increasing and Reducing Friction; Wheels reduce Friction; Fluid Friction

Unit 10: Sound**(5 marks)**

Sound produced by a vibrating body; Sound produced by Humans; Sound needs a Medium for propagation; We hear sound through our Ears; Amplitude, Time Period, Frequency of a Vibration; Audible and Inaudible Sounds; Noise and Music; Noise Pollution

Unit 11: Chemical Effects of Electric Current**(5 marks)**

Do Liquids conduct Electricity; Chemical Effects of Electric Current; Electroplating

Unit 12: Some Natural Phenomena**(5 marks)**

Lightning; Charging by Rubbing; Types of Charges and their Interaction; Transfer of Charge; Lightning; Lightning Safety; Earthquakes

Unit 13: Light**(7 marks)**

What makes Things Visible; Laws of Reflection; Regular and Diffused Reflection; Reflected Light can be Reflected again; Multiple Images; Sunlight- White or Coloured; What is inside our eyes; Care of the eyes; Visually impaired persons can read and write; What is the Braille System?

Internal Assessment**(20 marks)****Project work:**

The following are the suggestive activities as per the section given.

Section A

1. To observe attraction and repulsion between two Magnets.
2. To show that Liquids exert equal Pressure at the same depth.
3. Imagine that Friction suddenly vanishes. How Life would be affected. List 5(five) such situations.
4. Make a list of 5 (five) familiar Musical Instruments and identify their vibrating parts. You can use the format below:

Sl. No.	Name of Musical Instrument	Vibrating part producing Sound
1		
2		
3		
4		
5		

5. To make a Kaleidoscope

Section B

1. To show that Air is necessary for Breathing through an experiment.
2. Make a list of 5 (five) Exhaustible and 5(five) In-exhaustible Natural Resources.
3. Choose any 5 (five) families of your neighbourhood. Enquire whether their energy consumption (Coal, Gas, Electricity, Petrol, Kerosene, Firewood, Charcoal etc.) has increased or decreased in the last 5 (five) years. Enquire also about the measures they adopt to conserve energy.

Section C

1. Prepare a Chart/Poster for nutritious items for Adolescence.
2. Make 3D models for different types of Micro-Organisms.
3. List 5 (five) useful Organisms. State their usefulness in our daily life.
4. Study the Bio-diversity of a Garden/Park/ Lake/ Forest. Prepare a detailed report with photographs or sketches of the Flora and Fauna.
5. List any 5 (five) herbs that we eat. Find out about the medicinal importance of these Herbs.

Note:

1. Students are to complete 4 Projects in an academic year with total marks of 20, covering at least one project from each section.
2. The teacher may use a rubric as an assessment tool for the project work.
3. Before final submission of the project work, demonstration or presentation is to be carried out individually or in group.

Textbook as prescribed by MBOSE:

- Science Class 8, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhair Point, Iewduh, Shillong

SOCIAL SCIENCE
CLASS VIII
Course Structure

Sl. No.	Sections	Internal Assessment	External Assessment
1	History	7 marks	30 marks
2	Civics	6 marks	20 marks
3	Geography	7 marks	30 marks
	Total	20 marks	80 marks

Section - A: History

Unit-1: The Modern Period: Importance of Dates in History; Which Dates? Periods in History; Was the Modern Period Really Modern? What is Colonial? Time in History; Interpretations in History; Source of this Period; Use of Archive; Whether India have Archives in Pre-Colonial Rule? Sources of Colonial Period- Administrative Records, Survey Reports, Indigenous Records.

Unit-2: The Expansion of British Power: Arrival of Trading Companies; Trade Rivalry; Anglo-French Rivalry, The British in Bengal-Battle of Plassey, Bengal after Plassey, Battle of Buxar (1764); Bengal after Buxar; Growth of British Influence-Wars with Mysore, War with the Marathas-The First Anglo-Maratha War, The Second Anglo- Maratha War, The Third Anglo-Maratha War (1817-19).

Expansion Under Lord Wellesley (1798-1805): Subsidiary Alliances, British Paramountcy; British Expansion (1805-48), Annexation of Punjab; Expansion Under Lord Dalhousie (1848-56); Structure of Administration, Civil Service, The Company Army, Police, Judiciary.

Unit-3: The Great Uprising: People's Anger, Causes of the Uprising; Beginning of the Uprising-The Spread of Rebellion; Suppression of the Uprising; Causes of Failure of the Uprising; Nature of the Uprising; After the Uprising; Changes in the Army.

Unit-4: Life in the Rural Areas (*For internal assessment only*): Colonial Agrarian Policies; Impact of the Land Settlements.

Unit-5: Reforms in Indian Society: Condition of Women; Caste-Ridden Society; Some Eminent Social Reformers- Raja Rammohun Roy and Brahmo Samaj, Ishwar Chandra Vidyasagar, Henry Louis Vivian Derozio, Debendranath Tagore, Keshab Chandra Sen; Reform Movements in Western India; Reform Movement in Southern India-Veda Samaj, Sri Narayan Guru, E.V. Ramaswamy Naicker (Periyar), Swami Dayananda Saraswati, Ramkrishna Paramhansa and Swami Vivekananda; Women's Initiative for the Cause of Women; Muslim Reform Movements; Reform Movements among Parsis and Sikhs; Other Reform Movements-The Theosophical Society; Jains; Mahatma Gandhi; Bhim Rao Ambedkar; Changes Brought to Society.

Unit-6: Indian National Movement: (First Phase): Rise of Nationalism; The Moderates Phase, British Attitude towards the Congress; The Radical Phase; Differences between the Moderates and Extremists; Partition of Bengal (1905); The Swadeshi and Boycott movements; Split in Indian National Congress (1907); Minto- Morley Reforms of 1909; Revolutionary Movement: The First Phase.

The National Movement (Second Phase): Emergence of Mahatma Gandhi- Gandhi Return to India (1914); Gandhi's Ideology; Early Campaigns of Gandhi; Montague- Chelmsford Reforms (1919); Home Rule Movement; The Rowlatt Act (1919); Jallianwala Bagh Massacre; Khilafat Movement (1920); Non-Cooperation Movement (1920-22)-Start of the Movement, Constructive Programme, Withdrawal of the Movement.

Non-Cooperation to Civil Disobedience Movement (1922-30)- (*For Internal Assessment Only*) Mobilization of the Peasants Revolutionary Movement-The Second Phase; Simon Commission (1927); Purna Swaraj Resolution.

Civil Disobedience Movement (1930-34)- Dandi March; First Round Table Conference (1930), Gandhi - Irwin Pact (1931); Second Round Table Conference (1931); Third Round Table Conference (1932); Resumption of the Movement.

Civil Disobedience to Quit India Movement (1934-42)-Government of India Act of 1935; Quit India Movement (1942); Azad Hind Fauj (Indian National Army); Towards Independence and Partition

Unit-7: India After Independence (*For internal assessment only*): Integration of the Princely States; Rehabilitation of the Refugees; Solving the Economic Difficulties; Framing a Constitution; Planning for Development; An Independent Foreign Policy, Non- Alignment, India On The Move; Success; Challenges Ahead.

Unit-8: Financial Education (*For internal assessment only*): Introduction to Insurance, Types of Insurance

Section - B: Civics

Unit-1: The Constitution and the Need for Laws: Constitution; Importance of Constitution; Need for Laws.

Unit-2: Ideals of Our Constitution (*For internal assessment only*): The Constitution of India; Features of our Constitution; Fundamental Rights; Directive Principles of State Policy; Fundamental Duties

Unit-3: The Parliamentary System (*For internal assessment only*): Reasons for Opting the Parliamentary System of Government in India; Parliament-Lok Sabha (Composition, Eligibility, term of Office, Procedure for Election); Speaker of Lok Sabha; Rajya Sabha- (Composition, Eligibility, Election, Term of Office); Chairman of Rajya Sabha; The Parliament in Session; Functions of Parliament

Introduction to New Laws; Financial Control over the Government's Income; From Bill to Law- First Reading, Second Reading, Third Reading; Joint Sitting; Money Bill; The President of India- Eligibility, Election of the President, Tenure, Powers and Functions of the President- Executive Powers, Judicial Powers, Discretionary Powers, Case Study; The Prime Minister of

India-Council of Ministers, Term of Office, Position and Powers of the Prime Minister of India, Distinction between Cabinet and Council of Ministers, Functions of the Cabinet; The Prime Minister and the President.

Unit-4: The Judiciary: Importance of Judiciary; Need for Independent Judiciary; The Supreme Court-Composition, Appointment, Tenure and Removal of Judges, Jurisdiction, Judicial Review; The High Court-Composition, Appointment, Eligibility, Powers and Functions of High Court, Jurisdiction, Advocate General; Subordinate Courts, Types of Subordinate Courts, Lok Adalat;

Case Study: (*For internal assessment only*)

Unit-5: Marginalisation and Social Justice: Causes of Marginalisation; Effects of Marginalization; Scheduled Castes (SCs)- Steps for their Upliftment; Scheduled Tribes (STs)- Tribal Society, Religious Belief, Languages, Stereotyping of Tribes in India, Status of STs, Steps taken for their Upliftment; Other backward Classes (OBCs); Minorities Other Marginalized Groups, Women- Measures Taken for their Upliftment; Children-Steps taken for their Upliftment; Social Inequality and Economic Status, Reservation.

Unit-6: Government for Development: Five- Year Plans; NITI Aayog; Agriculture; Increase in Agricultural Production; Green Revolution; Industries; Industrial Growth; Cottage Industries; Small- Scale Industries; Public and Private Sectors; Transportation- Roadways, NHAI, Railways, Ports, Aviation; Telecommunication; Social Sector- Education, Sanitation Water, Health, Employment, Housing, Rural Development; Social Challenges.

Unit-7: Financial Education (*For internal assessment only*): Types of Banks and Tax.

Section - C: Geography

Unit-1: Resources: Resources: Value of Resources; Types of Resources- Natural Resources: Classification of Resources-On the Basis of Origin, On the Basis of Development, On the Basis of Renewability, On the basis of Distribution; Human Made Resources, Human Resources Conservation of Resources- Sustainable Development.

Unit-2: Land, Soil and Water: Land Resource- Land Use; Factors Affecting Land Use; Types of Land Based on Ownership; Changes in Land Use, Conservation of Land.

Soil Resources; Soil Formation; Factors Responsible for Soil Formation; Soil Profile; Types of Soils in India; Soil Erosion- Causes of Soil erosion; Conservation of Soil.

Water Resources: Characteristics of Water; Distribution; Water Cycle.

Unit-3: Natural Vegetation and Wildlife

Distribution of Natural Vegetation: Forests, Grasslands- Characteristics; Shrubs; Advantages of Natural Vegetation; Conservation of Natural Vegetation.

Wildlife Distribution: Wildlife in Africa; Wildlife in Asia; Wildlife in Australia; Wildlife in Europe; Wildlife in North America; Wildlife in South America; Conservation and Advantages of Wildlife; CITES.

Unit-4: Minerals and Power Resources: Minerals: Types of Minerals; Extraction of Minerals; Distribution of Minerals; Use of Minerals; Power Resources - Conventional Source of Energy and Non - Conventional Sources of Energy; Conservation of Mineral and Power Resources.

Unit-5: Major Crops and Agriculture Development: Major Crops: Cereals-Rice, Wheat, Maize, Millets, Pulses; Cash Crops- Sugarcane, Cotton, Jute; Beverages- Tea, Coffee

Unit-6: Manufacturing Industries: Industries- Classification of Industries- On the Basis of Raw Materials, On the Basis of Size, On the Basis of Ownership.
Distribution of Major Industries in the World: Iron and Steel Industry; Cotton Textile Industry; Information Technology (IT) Industry.

Unit-7: Meghalaya-An Overview: Introduction; Location; Climate; Population; Economy; Food; Art and Culture; Forest Resources; Animals and Birds; Reptiles and Fishes; Administrative Divisions.

Unit-8: Natural and Man-Made Disasters (*For internal assessment only*): Introduction; Natural Disasters and Natural Hazards: Natural Disasters-Earthquakes: Elements at Risk, Typical Effects of Earthquake, Causes of Earthquakes, Where do Earthquakes Occur? Detecting Earthquakes, Prediction and Control of Earthquake, Major Mitigation Strategies to Reduce the Impact of Earthquake; Landslides, Onset, Type and Warning, Elements at Risk (Vulnerability Factors or Elements), Typical Effects (Ill Effects) of Landslides, Major Mitigation Strategies (Measure to Reduce the Ill Effects of Landslides); Floods, Onset, Type and Warning, Elements at Risk of Floods (Vulnerable Elements), Typical Effects of Floods (Ill Effects of Floods), Major Mitigation Strategies (Measures to Reduce the Impact/Ill-Effects of Floods);
Man- Made Disasters; Fires, Extent of Fires, Causes of Fires, Safety Measures for Fire Prevention in Home, Other Measures; Accidents - Road Accidents, Safety Measures- Safety Measures To Be Adopted While Travelling In An Aircraft; Rail Accidents; Epidemic- Onset and Warning, Outbreak of an Epidemic, Elements at Risk in an Epidemic:H3, Risk Reduction; Measures of an Epidemic

Unit-9: Road Accidents (*For internal assessment only*): Causes, Prevention and First Aid

Unit-10: Financial Education (*For internal assessment only*): Part I: Money in & Money Out
Part II: Demand Draft (DD)/ Payment Order

Key instructions for teachers

Following are important instructions that need to be strictly followed by schools and teachers:

- Use prescribed Social Science MBOSE Textbooks for the transaction of the syllabus.
- Both External and Internal Assessments for Classes VI -VIII and IX are to be oriented towards achieving NCERT's Learning Outcomes and Competencies spelled out in the National Curriculum Framework for School Education (NCFSE) 2023 for (Social Science/ Pages 325 to 330).
- Suggestive Formative Assessment strategies besides written tests\class tests for internal assessment across grades are field trips, project work, group discussions, written

assignments, quizzes, timelines, concept maps, mind-maps, map skills, case studies, experiential learning activities, role play, drawing, painting, model making, artefacts, journaling, think, pair and share, debate, portfolios, anecdotal records and others.

- Teachers can make assessments on individual and group presentations of students' projects and other activities for formative or internal assessment.
- Formative Assessment activities conducted individually and group can be done by developing assessment tools such as checklists, rubrics on a 3- point scale.
- Records of assessments of students should serve as evidence-based data which will be the basis for reporting of each student holistically.
- Allotment of marks class- wise and section wise have been given in the prescribed syllabus.
- The Questions for the Final External Assessment (Summative Assessment) at the end of the academic year will cover the entire syllabus of 80 marks. 20 marks is allotted for internal assessment of the whole curricular session.
- Question papers for the Final External Assessment will be externally set.

Textbook as prescribed by MBOSE:

- Orchid Social Sciences - VIII

M/s Yogson International, H-159, Sector-12, Noida - 201301

HEALTH & PHYSICAL EDUCATION
CLASS VIII
(External - 80 marks; Internal - 20 marks)

Unit I: Concept of Health and Factors Influencing Health <ul style="list-style-type: none">• Meaning, Nature and Concept of Health• Factors influencing Health• Personal Health Practices for Preservation and Promotion of Health• Cultural Practices in relation to Personal Health and Social Environment
Unit II: Food and Nutrition <ul style="list-style-type: none">• Calorific Value of Food• Effects of Excess and Intemperance in the Use of Tobacco – Drugs - Opium
Unit III: Growth and Development <ul style="list-style-type: none">• Meaning of Growth and Development• Factors influencing Growth and Development
Unit IV: Communicable and Non-Communicable Diseases <ul style="list-style-type: none">• Types of Agents• Diseases spread through Air, Water and Food- Their Preventive Measures• Diseases spread through Water and Food- Their Preventive Measures• Immunity and Medical Check-up
Unit V: Safety, First Aid and Home Nursing <ul style="list-style-type: none">• First-Aid Measures and Home Nursing
Unit VII: Social Awareness <ul style="list-style-type: none">• Social Health• Patients' Right and Role of Media
Unit VIII: Swachh Bharat – Swachh Vidyalaya <ul style="list-style-type: none">• Vector -Borne Diseases
Unit VII: Yoga – A Healthy Way of Living <ul style="list-style-type: none">• Yogic Asanas for Concentration

Textbook as prescribed by MBOSE:

- Scholar's Health Education Book VIII

M/s Scholar Publishing House (P) Ltd., 542/16, Joshi Road, Karol Bagh, New Delhi-110005

ENGLISH

CLASS IX

(External - 80 marks; Internal - 20 marks)

Distribution of Marks

Prose	25 marks
Poetry	15 marks
Supplementary Reader	10 marks
Grammar & Composition	30 Marks
Total	80 Marks

Activities for Internal Assessment

1. Excursions: To a nearby place of interest, such as museums, zoos, institutions for the differently abled, etc. and to write a brief report.
2. Role Playing: Mock Interview of any characters from the lessons prescribed.
3. Review on Books/Movies: On any topic e. g. wars, differently abled persons, sports personalities, patriots etc.
4. Compose poems on any topic.

Marking for Internal Assessment

Listening Skills	5
Speaking Skills	5
Writing Skills	5
Miscellaneous Skills	5
Total	20 marks

Pieces to be read:

A. Prose

1. The Sound of Music
 - i. Evelyn Glennie - *Deborah Cowley*
 - ii. Bismillah Khan
2. The Little Girl - *Katherine Mansfield*
3. A Truly Beautiful Mind
4. The Snake and the Mirror - *Vaikom Muhammad Basheer*
5. My Childhood - *A.P.J. Abdul Kalam*
6. Reach for the Top
 - i. Santosh Yadav
7. If I Were You - *Douglas James*

B. Poetry

1. The Road Not Taken - *Robert Frost*
2. Wind - *Subramania Bharati*
3. The Lake Isle of Innisfree - *William Butler Yeats*
4. A Legend of the Northland - *Phoebe Cary*
5. No Men Are Foreign - *James Kirkup*
6. On Killing a Tree - *Gieve Patel*

C. Supplementary Reader

1. The Adventures of Toto - *Ruskin Bond*
2. Iswaran the Storyteller - *R.K. Laxman*
3. In the Kingdom of Fools - *Kannada folktale (ed.) A.K. Ramanujan*
4. The Happy Prince - *Oscar Wilde*
5. A House Is Not a Home - *Zan Gaudio*
6. The Beggar - *Anton Chekhov*

D. Grammar and Composition

1. Comprehension – (a) Conceptual
(b) Analytical
2. Tenses
3. Modals
4. Active and Passive Voice
5. Determiners
6. Preposition
7. Gap Filling
8. Error, Omission
9. Sentence Reordering
10. Word- Sentence making
11. Letter Writing (Formal and Informal)
12. Article Writing
13. Paragraph Writing (Pie-charts, Histogram etc.)
14. Story Writing
15. Idioms and Phrases
16. Reported Speech

Textbooks as prescribed by MBOSE:

1. **English Reader 9** - Textbook in English for Class IX
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
2. **Moments** - Supplementary Reader in English for Class IX
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002

KHASI (MIL)
CLASS IX
(External - 80 marks; Internal - 20 marks)

Distribution of Marks

Prose	24 marks
Poitri	14 marks
Rapid Reader	14 marks
Grammar & Composition	28 Marks
Total	80 Marks

Marking for Internal Assessment

1. Poitri – Text - Ka Duitara Ksiar - <i>U Soso Tham</i> Recitation Individual poetry writing	6 marks
2. Prose-Text- (i) Ki Dienjat Jong Ki Longshuwa- <i>Fr. J. Bacchiarello</i> (ii) Ki Phawer U Aesop – <i>Soso Tham</i> (iii) Ka Jingsneng Tymmen - Part I – <i>Radhon Sing Berry</i> Poster Designing, Story writing, Extempore, Elocution, Study Tour, Social Activities on any related topics, One act play.	10 marks
3. Rapid Reader – Text - Na Mihngi Sepngi - <i>Fr. H. Elias</i> Take photographs related to topics, Study Tour, Designing Greeting Cards on related topics.	2 marks
4. Grammar & Composition – Text - Hints on the Study of Khasi Language - <i>D. Nissor Sing Wahlang</i> Paste collection of pictures depicting the different kinds of Pronoun	2 marks
<i>N.B: Scrap book on any activities done and cover will add to the weightage of marks</i>	
Total	20 marks

Pieces to be read:

A. Prose

1. Ka Jingiasiatthong
2. Ka Mei Ramew Bad Ki Laiphew Jingthaw
3. Ki Samla Bad Ki Drok

B. Poitri

1. U Khlur
2. Ki Khun Ka Mariang
3. Ki Saw Aïom
4. U Lok Shisha

K. Ki Phawer U Aesop

Lynnong: 31-40

D. Ka Jingsneng Tymmen (Part – I)

Lynnong: 21-30

E. Rapid Reader

1. Ka Jingrep Slasha
2. Ka Unibersiti Barim Ka Ri India
3. Ka Jingsngewtynnad Ka Jingpulekot

G. Grammar, Composition & Essay

1. The Pronouns
 - a. The Personal Pronoun
 - b. The Reflexive Pronoun
 - c. The Relative Pronoun
The Compound Relative Pronoun
 - d. The Interrogative Pronoun
 - e. The Demonstrative Pronoun
 - f. The Indefinite Pronoun
 - g. The Distributive Pronoun
Syntactical Rules on the Pronouns of Different Persons
2. Adverbs and words with which they are used.
From Alphabet 'A' to 'L' – Page 70 to 76
3. Essay
4. Precis Writing

Textbooks as prescribed by MBOSE:

1. Prose

- Ki Dienjat Jong Ki Longshuwa- *J. Bacchiarello*
- Ki Phawer U Aesop – *Soso Tham*
- Ka Jingsneng Tymmen (Part-I) – *Radhon Sing Berry*

2. Poitri

- Ka Duitara Ksiar – *Soso Tham*

3. Rapid Reader

- Na Mihngi Sepngi - *H. Elias*

4. Grammar & Composition

- Hints on the Study of Khasi Language- Ri Khasi Publication, Mawkhar, Shillong-793001.

GARO (MIL)
CLASS IX
(External - 80 marks; Internal - 20 marks)

Distribution of Marks

Prose	25
Poetry	18
Rapid Reader	10
Grammar	10
Composition	7
Essay/ Comprehension	10
Total Marks	80

Marking for Internal Assessment

1. Writing skills: story writing, picture composition, Life of the poet or author	10
2. Listening & Reading: Reading, Spelling & Dictations, Phonetics	5
3. Creativity: Extempore, slogan writing, chart making base on the lesson, Group discussions	5
Total Marks	20

Pieces to be read:

A. Prose

1. Capt. Williamson A.Sangma – *Mary Celina A. Sangma*
2. Ta-sek Wari – *John P. Marak*
3. A-chikrangni Kal-susaanirang – *Tharsush K. Sangma*
4. Lindrid D.Shirani Janggi Tangani – *Venibabe N. Sangma*
5. A-chikrangni Ganding Chinding aro Gipin Patanirang – *Llewellyn R. Marak*

B. Poetry

1. A-chik A-song – *Harendra W. Marak*
2. A-gilsak Dal-begipa Alda Nok – *Jarongpang Rongmuthu*
3. Nokgipani Pattia – *Phoebe W. Momin*
4. A-songtangna Sintea – *Surendra S. Marak*
5. Somoi aro Kam – *Bemfield K. Marak*

C. Rapid Reader

Veniceni Badinggipa by *Mackenson Rongmuthu* (whole book)

D. Grammar & Composition

1. Sentence
2. Subject aro Predicate
3. Noun, Pronoun, Verb
4. Subject Noun, Predicate Verb aro Object
5. Talatgipa Kattarang – Adjective, Adverb
6. Preposition, Conjunction aro Interjection
7. Sentenceni Ma.arang

Bak - III

Kattarang (Ma.arang aro Bimungrang)

1. Kattarangni Ma.arang
2. Noun: Ma.arang, Person, Number, Gender aro Case
3. Sentenceo Caserangni Kam
4. Pronoun – Ma.arang, Person, Number, Gender aro Case

Bak - IV

Punctuation aro Punctuation Ka:ani Niamrang

Composition:

Formal and Informal Letter writing, Comprehension, Essay/Story writing, Aganme:apa, Katta Ku:jikse, Dokbadale Seani, Katta Dingtangrikani

Textbooks as prescribed by MBOSE:

- **Poraiani Ki-tap IX**
Tura Book Room
- **A:chik Grammar** - E. G. Phillips
- **A:chik Composition** - K. M. Momin

HINDI (MIL)
CLASS IX
(External - 80 marks; Internal - 20 marks)

Distribution of Marks

Prose	20
Poetry	20
Rapid Reader	15
Grammar	17
Composition (a) Essay	08
Total Marks	80

Marking for Internal Assessment

1.Home assignment (Life history of any writer) in own handwriting	7
2.Dictation	4
3.Reading	4
4.Spelling	5
Total Marks	20

Pieces to be Read

A. Prose

1. Mantra-Tantra - by *Hajari Prasad Dwebedi*
2. Pashchatap - by *Premchand*
3. Dr. Bhim Rao Ambedkar - by *Niranjan Kr. Singh*
4. Kitna Badla Mera Gaon - by *Mansingh Verma*

B. Poetry

1. Hamen Sirjan Ki Shakti Dena - by *Mansingh Verma*
2. Dekho Kitni Pyari Maa - by *Ram Gopal Bharatiya*
3. Jhansi Ki Rani - by *Ramdhari Singh Dinkar*
4. Doha-Ekodash - by *Kabir Rahim*

C. Rapid Reader

1. Gillu – Maha Devi Varma
2. Smiriti – Shri. Ram Sharma
3. Hamid Khan – S.K. Pottekat

D. Grammar & Composition

1. Varna – Vichar
2. Vartani
3. Sandhi-Swar Sandhiya
4. Sabdo Ke Bhed
5. Padh Vichar Aur Un Palo Ke Bhed (A)
6. Ling Aur Bachan
7. Karak Aur Ruprachana

8. Samas (A)
9. Upasarga; Pratyay
10. Sabdh Rachana
11. Vakya, Upvakya Aur Unke Bhed
12. Vakya-Parivartan
13. Viramchinha
14. Lokoktiya

Composition

1. Patra Lekhan (letter – writing)
2. Nibandh Lekhan (essay) (Hamare Gaon - Sainik Ki Atma Katha)

Textbooks as prescribed by MBOSE

1. Deepshika Hindi – Class IX

M/S Arya Publishing Company, 1002-1003, Faiz Road, Karol Bagh, New Delhi- 110005.

2. Bhasha Vyakaran IX & X

M/S Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi-110049

3. (i) Learn Hindi- Learn Khasi (Dictionary)

(ii) Learn Hindi- Learn Garo (Dictionary)

M/S Gewali Publication, Upper Mawprem, Shillong-2.

4. Sanchayan (NCERT) Part-I

MATHEMATICS
CLASS IX

Weightage and distribution of marks for External Assessment (80 marks)

Unit	Contents	Marks
1	Number Systems	06
2	Polynomials	10
3	Coordinate Geometry	05
4	Linear Equations in two variables	05
5	Introduction to Euclid's Geometry	05
6	Lines and Angles	05
7	Triangles	08
8	Quadrilaterals	06
9	Circles	10
10	Heron's Formula	05
11	Surface Areas and Volumes	10
12	Statistics	05
	Total marks	80

1. Number Systems (06 marks)

Concept of rational and irrational numbers; Real numbers and their Decimal Expansions, Operations on real numbers, Laws of exponents for real numbers.

2. Polynomials (10 marks)

Polynomials in One variable-term, Coefficient, Degree of polynomial, Zero polynomial, Linear Polynomial, Quadratic Polynomial and Cubic Polynomial; Zeroes of a Polynomial; Factorisation of Polynomials-Factor Theorem; Algebraic Identities.

3. Coordinate Geometry (05 marks)

Basic Concept of Coordinate Geometry; Cartesian System- Coordinate plane and Axes, Origin, Abscissa and Ordinate, Quadrants.

4. Linear Equations in two variables (05 marks)

Linear Equations, Solution of a Linear Equation.

5. Introduction to Euclid's Geometry (05 marks)

Introduction, Euclid's definitions, Axioms and Postulates.

6. Lines and Angles (05 marks)

Basic Terms and Definitions; Intersecting and non-intersecting lines, Pairs of Angles-Axioms and Theorem; Lines Parallel to the same line.

7. Triangles (08 marks)

Congruence of Triangles; Criteria for Congruence of Triangles- SAS, ASA, AAS, SSS, RHS.

8. Quadrilaterals (06 marks)

Parallelogram- Properties and Theorems; Mid-point Theorem.

9. Circles**(10 marks)**

Angle Subtended by a Chord at a point, Perpendicular from the Centre to a Chord, Equal Chords and their Distances from the Centre, Angle Subtended by an Arc of a Circle, Cyclic Quadrilaterals.

10. Heron's Formula**(05 marks)**

Area of a Triangle- by Heron's Formula $\text{Area of a triangle} = \sqrt{s(s-a)(s-b)(s-c)}$
where a, b, c are sides of a Triangle and $s = \frac{a+b+c}{2}$

11. Surface Areas and Volumes**(10 marks)**

Total Surface Area and Curved Surface Area of a Right Circular Cone, Sphere and Hemisphere; Volume of a Right Circular Cone, Sphere and Hemisphere.

12. Statistics**(05 marks)**

Graphical Representation of Data- Bar Graph, Histogram, Frequency Polygon.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral Questions/ Quiz, Group Discussion & Presentation and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 9, NCERT (Meghalaya Edition)**
Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

**SCIENCE
CLASS IX**

Weightage and distribution of marks for External Assessment

Unit	Contents	Marks
1	Matter in our Surroundings	4
2	Matter around us is Pure	5
3	Atoms and Molecules	9
4	Structure of the Atom	9
5	The Fundamental Unit of Life	5
6	Tissues	9
7	Motion	6
8	Force and Laws of Motion	6
9	Gravitation	7
10	Work and Energy	7
11	Sound	7
12	Improvement in Food Resources	6
Total marks		80

Unit 1: Matter in our Surroundings (4 marks)

Physical Nature of Matter; Characteristics of Particles of Matter; States of Matter; Can Matter change its State?; Evaporation

Unit 2: Matter around us is Pure (5 marks)

Mixture; Solution; Physical and Chemical Changes; Types of Pure Substances

Unit 3: Atoms and Molecules (9 marks)

Laws of Chemical Combination; Atom; Molecule; Writing Chemical Formulae; Molecular Mass

Unit 4: Structure of the Atom (9 marks)

Charged Particles in Matter; The Structure of an Atom; Electron Distribution in different Orbits; Valency; Atomic Number and Mass Number; Isotopes

Unit 5: The Fundamental Unit of Life (5 marks)

What are Living Organisms made up of; What is a Cell made up of? Structural Organization of a Cell;

Unit 6: Tissues (9 marks)

Plants and Animals made up of same types of Tissues; Plant Tissues; Animal Tissues

Unit 7: Motion (6 marks)

Describing Motion; Measuring the Rate of Motion; Rate of Change of Velocity; Graphical representation of Motion; Equations of Motion; Uniform Circular Motion

Unit 8: Force and Laws of Motion (6 marks)

Balanced and Un- balanced forces; First law of motion; Inertia and Mass; Second Law of Motion; Third Law of Motion

Unit 9: Gravitation (7 marks)

Gravitation; Free fall; Mass; Weight; Thrust and Pressure; Archimedes' Principle

Unit 10: Work and Energy (7 marks)

Work; Energy; Rate of doing Work

Unit 11: Sound (7 marks)

Production of Sound; Propagation of Sound; Reflection of Sound; Range of Hearing; Applications of Ultrasound

Unit 12: Improvement in Food Resources (6 marks)

Improvement in Crop yields; Animal Husbandry

Internal Assessment (20 marks)

Project work:

The following are the suggestive activities as per the section given.

Section A

1. To study the variation in time period of a simple pendulum with length and to plot L-T graph.
2. Determine the value of acceleration due to gravity using simple pendulum.
3. To verify Archimedes' Principle.
4. Using a coin, stiff card, glass tumbler, perform an activity to demonstrate inertia.

Section B

1. To study the main parts of a Compound Microscope
2. To study the different types of animal tissues and state their salient features.
3. To study the different types of plant tissues and state their salient features.
4. Collect different grains/ seeds of cereals, pulses and oil seeds and gather information about the seasons in which they are sown and harvested.

Section C

1. Prepare a solution of common salt/ sugar of a given percentage composition to prepare homogenous solution, saturated solution and un-saturated solution.
2. Prepare one homogenous and one heterogeneous mixture (of liquids) and distinguish them on the basis of at least one common property of such solution like- Colour, Filtration, settling.
3. Separate the things around (10 nos.) you as pure substances or mixtures.
4. Prepare a Model on the structure of Atom using balls, beads and wires.

Note:

1. Students are to complete 4 Projects in an academic year with total marks of 20, covering at least one project from each section.
2. The teacher may use a rubric as an assessment tool for the project work.
3. Before final submission of the project work, demonstration or presentation is to be carried out individually or in group.

Textbook as prescribed by MBOSE:

- Science Class 9, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhair Point, Iewduh, Shillong

SOCIAL SCIENCE
CLASS IX
Course Structure

Sl. No.	Sections	Internal Assessment	External Assessment
1	History	5 marks	20 marks
2	Civics	5 marks	20 marks
3	Geography	5 marks	20 marks
4	Economics	5 marks	20 marks
	Total	20 marks	80 marks

Section – A: History

Unit 1: Events and Processes: The French Revolution (1789-1799) - France before the Revolution; Causes of the Revolution, Impact of the American Revolution; Beginning of the Revolution; Course of the Revolution; Role of Women in the Revolution; Abolition of Slavery in France; Legacy of the Revolution.

Unit 2: Livelihoods, Economies and Societies - Forest Society and Colonialism; Why Deforestation? Colonial Times- Forests and Colonial Development; Rise of Commercial Forestry; Forest Rules and Effects on Cultivation; Rebellion in the Forest.

Peasants and Farmers - Modern Agriculture in England; Enclosures and the New Demands; Bread Basket and Dust Bowl; Agrarian Expansion in U.S.A; Indian Farmers and Opium production.

Unit 3: Meghalaya's Resistance to British Dominion: Khasi Uprising, Jaiñtia Uprising, A·Chik Uprising.

Unit 4: Financial Education (*For internal assessment only*): Part I: Investment – Types of Investment; Part II: Financial Sector Reform and Insurance

Unit 5: Source of Funds (*For internal assessment only*): Classification of Source of Funds; Loan from Financial Institution; Raising Fund from Customers and Suppliers.

Section - B: Geography

Unit 1: Major Relief Features of the Earth: Formation of Land Forms - Forces; Mountains-Types and Importance; Plateaus-Types and Importance; Plains-Types and Importance; Land Forms and People.

Unit 2: India - Size and Location: Location and Size; India and the World; Indian Sub-Continent.

Unit 3: Physical Features of India (*For internal assessment only*): Earth's Processes; Major Physiographic Divisions.

Unit 4: Drainage: Rivers; Drainage Systems; Lakes and Island Drainage; Rivers: Lifeline of Human Civilization; Rivers' Pollution.

Unit 5: Climate: Climate of India; Factors Affecting Climate of India; North East Trade Winds; Indian Monsoon; Annual Cycle of Seasons; Distribution of Precipitation; Monsoons -A Unifying Bond.

Unit 6: **Natural Vegetation and Wildlife:** Ecosystem; Biomes; Vegetation Types; Wildlife; Conserving Biodiversity.

Section - C: Civics

Unit 1: **Democracy in the Contemporary World** (*For internal assessment only*): Introduction; Democracy in the Contemporary World; Is the World Moving Towards Democracy?

Unit 2: **Democracy in India:** Making of a Constitution; Road to Democracy; Framing of the Constitution; How The Indian Constitution Was, Framed? Guiding Values of the Indian Constitution; Philosophy of the Constitution; Salient Features of the Indian Constitution; How Democracy Is Being Redesigned In India?

Unit 3: **Electoral Politics in India:** Why Elections? How Elections Are Held? Are Elections in India Free and Fair? Candidates In Fray for Lok Sabha Elections; Representation of Women in Lok Sabha.

Unit 4: **Institutions of Parliamentary Democracy:** Why We Need Political Institutions? Parliament (The Legislature); Functions of the Parliament; Relations between the Lok Sabha and the Rajya Sabha; How Laws Are Made? Political Executive- The President; The Vice President; Prime Minister; The Council of Ministers (Powers and Functions); Judiciary: Role of the Supreme Court, Jurisdiction of the Supreme Court; Power of Judicial Review; Judiciary's Independence

Unit 5: **Citizens' Rights in Democracy:** Definition of Rights; Why Do We need Rights? Classification of Rights; Fundamental Rights; Scope of Fundamental Rights.

Unit 6: **Financial Education: PAN Card and Aadhaar Card** (*For internal assessment only*): PAN Card, Aadhaar- Benefits of Aadhaar

Unit 7: **Grievance Redressal Mechanism in Insurance** (*For internal assessment only*): Policy holder protection, Grievance Redressal

Unit 8: **Credit Cards and Debit Cards** (*For internal assessment only*): Steps in making payment by credit card for online purchase, Advantages and Disadvantages, Debit Card

Section - D: Economics

Unit 1: **Factors of Production** (*For internal assessment only*): Economic and Non- Economic Activities, Meaning of Economics; Important terms in Economics; Factors of production; Case Study.

Unit 2: **People as A Resource:** How People Become A Resource? Role of Health in an Individual's working life; Education in India; Health in India; Economic Activities by Men and Women; Unemployment in India.

Unit 3: **Poverty as a Challenge:** Introduction; Meaning of Poverty; Social Indicators of Poverty; Absolute and Relative Poverty; Magnitude of Poverty; Causes of Poverty; International Comparisons of Poverty and Inequality of Incomes; Steps Taking by the Government for Poverty Alleviation: Two Case Studies of Poverty.

Unit 4: **Food Security in India**: Introduction; Meaning of Food Security; Need for Food Security; Food Insecurity Concerns- People, Regions and Hunger; Food Security in India; Public Distribution System (PDS); Defects of India's Food Security System; Role of Cooperatives in Food Security.

Unit 4: **Financial Education** (*For internal assessment only*): Demonetisation of Currency; Merits and Demerits of Demonetisation.

Unit 5: **Part-I: RBI-Central Bank** (*For internal assessment only*): Meaning; Functions of RBI; Case study; **Part-II: Budgeting** (*For internal assessment only*): Preparation; Case study

Unit 6: **Part-I: Banks and Loans** (*For internal assessment only*): Types of Loans; **Part-II: Inflation** (*For Internal Assessment only*): Causes and Effects.

Key instructions for teachers

Following are important instructions to be followed by schools and teachers:

- Use prescribed Social Science MBOSE Textbooks for the transaction of the syllabus.
- Both External and Internal Assessments for Classes VI - VIII and IX are to be oriented towards achieving NCERT's Learning Outcomes and Competencies spelled out in the National Curriculum Framework for School Education (NCFSE) 2023 for (Social Science/ Pages 325 to 330).
- Suggestive Formative Assessment strategies besides written tests/class tests for internal assessment across grades are field trips, project work, group discussions, written assignments, quizzes, timelines, concept maps, mind-maps, map skills, case studies, experiential learning activities, role play, drawing, painting, model making, artefacts, journaling, think, pair and share, debate, portfolios, anecdotal records and others.
- Teachers can make assessments on individual and group presentations of students' projects and other activities for formative or internal assessment.
- Formative Assessment activities conducted individually and group can be done by developing assessment tools such as checklists, rubrics on a 3 - point scale.
- Records of assessments of students should serve as evidence-based data which will be the basis for reporting of each student holistically.
- Allotment of marks class- wise and section wise have been given in the prescribed syllabus.
- The Questions for the Final External Assessment (Summative Assessment) at the end of the academic year will cover the entire syllabus of 80 marks. 20 marks is allotted for internal assessment of the whole curricular session.
- Question papers for the Final External Assessment will be externally set.

Textbook as prescribed by MBOSE:

- Core Social Science - IX

M/s Goyal Brothers Prakashan, D-231 – 232, Sector – 63, Noida – 201301 (U.P)

**HEALTH & PHYSICAL EDUCATION
CLASS IX**

(External - 80 marks; Internal - 20 marks)

Unit I: Health Hazards of Modern Age <ul style="list-style-type: none">• Health Hazards of Modern Age
Unit II: Growth and Development <ul style="list-style-type: none">• Nature and General Principles of Growth and Development• Characteristics of Boys and Girls during Adolescence
Unit III: Food and Nutrition <ul style="list-style-type: none">• Factors Affecting Nutritional Status of an Individual• Nutritional Status• Balanced Diet for Adolescent Boys and Girls• Malnutrition and its Effects
Unit IV: Communicable Diseases <ul style="list-style-type: none">• General Knowledge about Communicable Diseases and Diseases spread through air• Diseases spread Through Water and Food• Diseases Spread Through Insects and Animals• Diseases Spread by Close Contacts and (spread) by Soil
Unit V: Safety <ul style="list-style-type: none">• Safety• First Aid• Care of the Sick at Home

Internal Assessment

The Internal Assessment will be done through tests, assignments and project work. The breakup of 20 marks for the Internal Assessment may be as follows:

- | | |
|--------------------|----------|
| 1. Written Tests – | 10 marks |
| 2. Assignments – | 5 marks |
| 3. Project Works – | 5 marks |

Textbook as prescribed by MBOSE:

- Health (A Textbook for Secondary School - Class IX)

M/s Frank Brothers & Co. Ltd., 136, Moti Lal Nehru Road, Opp. Pan Bazar Girls Hr. Sec. School, Guwahati - 781001



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