

MAHARAJA AGRASEN MODEL SCHOOL
CD BLOCK, PITAMPURA, DELHI
MONTH WISE SYLLABUS BREAK UP FOR SESSION 2017-18
CLASS -V
SUBJECT - ENGLISH

OBJECTIVES

- a) To enable the learner to communicate effectively and appropriately in real life situations.
- b) To use English effectively across the curriculum.
- c) To develop and integrate the use of four language skills i.e.- listening, speaking, reading and writing.
- d) To develop interest in appreciation of literature.
- e) To revise and reinforce structures already learnt.
- f) To express ideas in clear and grammatically correct English, using appropriate vocabulary and punctuation.

- TEXTBOOKS** – 1.Reader: Celebrate
Author : Yamuna Govindan, Charu Rekha
Publisher: Pearson Longman
2. Grammar: Cornerstone
Author: Neerja Narain, Andre Le Fevre
Publisher: Pearson Longman
3. Supplementary Reader: Treasure Trove
Author: Aditi Misra, Abha Malik Pasricha
Publisher: Rising Sun

MONTHWISE SYLLABUS BREAKUP

April

- L-3 Icarus and Daedalus (Literature)
- L-2 Poem: The Laughing Song
- Kinds of Nouns(Grammar)
- Porus and Alexander (Comprehension)
- Letter Writing(Writing Skill)
- Sentences, Types of Sentences (Grammar)
- Revisions
- Subject Enrichment Activity : Dictation
- Subject and Predicate

May

- Periodic Test 1
- Subject Enrichment Activity:Dictation
- Pronouns (Grammar)
- Animals Around Us (Comprehension)
- Picture Composition(Writing Skill)

- Supplementary Reader: The Swiss Family Robinson- Shipwrecked, Freddy- The Nobody
- Prefixes and Suffixes
- Noun: Number

July

- Holiday Homework
- L-1 An Oily Mess (Literature)
- L-5 Poem: The Library
- Paragraph Writing (Descriptive)
- Kinds and Comparison of Adjectives (Grammar)
- Order of Adjectives(Grammar)
- The Wise Stepmother (Comprehension)
- Supplementary Reader: Song of Songs
- Subject Enrichment Activity: Dictation
- Noun: Gender
- Collocation

August

- L-4 The Story of Louis Braille (Literature)
- The Golden Keys (Comprehension)
- Articles (Grammar)
- Supplementary Reader: The Heavy Price
- Simple Tenses (Grammar)
- Nominalisation
- Synonyms and Antonyms
- One-word substitution

September

- Revisions
- Mid Term
- L-6 At Work in the Wild (Literature)
- Prepositions (Grammar)
- Narrative Writing (Writing Skill)
- Supplementary Reader: Gabriel the Good

October

- L-8 Poem: You Can't Be That
- L-7 The Boy Judge
- Continuous Tenses (Grammar)
- Story Writing (Writing Skill)
- Our Beloved Earth (Comprehension)
- Question Tags (Grammar)
- Supplementary Reader: The Crab That Got Away
- Subject Enrichment Activity: Calligraphy
- Interjections

November

- Revisions
- Periodic Test 2

- Within an Hour (Comprehension)
- Supplementary Reader: The Boons That Slipped Away
- Subject Enrichment Activity: Calligraphy
- Words often confused
- Capital Letters and Punctuation

December

- When Mother Reads Aloud (Comprehension)
- Conjunctions (Grammar)
- Kinds of Adverbs (Grammar)
- Comparison of Adverbs (Grammar)
- Diary Entry (Writing Skill)
- L-10 Hasmina's Butterfly
- Supplementary Reader: Tom Sawyer- The Remedy
- Subject Enrichment Activity: Story Narration

January

- L-12 Quiet Now
- L-11 Poem: The Brave Little Kite
- Perfect Tenses (Grammar)
- Paragraph Writing (Imaginative)
- Supplementary Reader: The Time Machine
- Subject Enrichment Activity: Story Narration

February

- L-14 Poem: If I Knew
- Revisions
- Supplementary Reader: Jingles For Aroma
- One-word, Different Parts of speech
- Subject Enrichment Activity: Story Narration

EXAM WISE SYLLABUS BREAK-UP

PERIODIC TEST I

Comprehension	: Porus and Alexander
Grammar	: Kinds of Nouns, Sentences, Types of Sentences
Writing Skill	: Letter Writing
Literature	: L-3 Icarus and Daedalus, L-2 Poem: The Laughing Song

MID TERM

Comprehension	: The Golden Keys, The Wise Stepmother
Grammar	: Pronouns, Kinds and Comparison of Adjectives, Order of Adjectives, Articles, Simple tenses
Writing Skill (Descriptive)	: Picture Composition, Informal Letter, Paragraph Writing

Literature :L-1 An Oily Mess, L-4 The Story of Louis Braille, L-5 Poem: The Library
Supplementary Reader: Song of Songs

PERIODIC II

Comprehension : Our Beloved Earth
Grammar : Prepositions, Continuous Tenses, Question Tags
Writing Skill : Story Writing, Paragraph Writing (Narrative)
Literature : L-6 At Work in the Wild, L-8 Poem: You Can't Be That,
L-7 The Boy Judge

FINAL TERM

Comprehension : When Mother Reads Aloud
Grammar : Prepositions, Kinds of Adverbs, Comparison of Adverbs,
Conjunctions, Perfect Tenses
Writing Skill : Diary Entry, Story Writing, Paragraph Writing (Imaginative)
Literature : L-10 Hasmina's Butterfly
L-12 Quiet Now
L-14 Poem: If I Knew, L-11 Poem: The Brave Little Kite

Supplementary Reader: The Time Machine

NOTE: L-9 Not Such a Bad Thing After All and L-13 Alan and the Alien will be taken up for extensive reading.

ASSESSMENT OF SPEAKING AND LISTENING

MONTH	LISTENING	SPEAKING
April and May	listening to polite requests and matching them correctly to situation	expressing a wish
July	answering questions-yes/no questions and wh-question.	making announcements
August	listening to a story and answering the questions (Celebrate pg 40)	making enquiries over the telephone
September	listening to an interview	convincing others

October	listening to a piece of information and editing (Celebrate pg-68)	extempore
November	listening to a passage being read aloud and completing information.	giving reassurance
December	listening to poem	talking about familiar topics-at home
January	following instructions and drawing a picture	responding politely
February	listening to dialogues (L-12, pg-132)	extempore (pg-96)

विषय - हिन्दी

- पाठ्यपुस्तकें -
- 1) बरखा भाग - 5 (गीता पब्लिशिंग हाउस)
 - 2) ताना-बाना भाग - 5 (नवनीत सिंघल)
 - 3) नवीन हिंदी व्यावहारिक व्याकरण तथा रचना भाग - 5 (गोयल ब्रदर्स प्रकाशन)

शिक्षण उद्देश्य -

- विद्यार्थियों की पुस्तकों के प्रति रुचि जाग्रत करना।
- उच्चारण शुद्ध, स्पष्ट, सुश्रव्य तथा भावानुकूल बनाना।
- शुद्ध पढ़ने-लिखने की योग्यता प्रदान करना।
- वार्तालाप में दक्षता प्राप्त करना।
- मौखिक व लिखित अभिव्यक्ति का विकास करना।
- नैतिक मूल्यों का विकास करना।
- विद्यार्थियों की कल्पनाशीलता और सृजनात्मकता का विकास करना।

मूल्यांकन विधि -

विद्यार्थियों का पठन-पाठन, कविता, संवाद, सुलेख, कॉपी कार्य, वर्तनी, व्याकरण, गद्यांश व अनुच्छेद लेखन के आधार पर मूल्यांकन किया जाएगा।

महीना	पाठ्य पुस्तक	व्याकरण
अप्रैल तथा मई	पाठ-1 कविता - मेरा देश	पाठ-1 भाषा और व्याकरण
	पाठ-2 अभ्यास का महत्त्व	पाठ-2 वर्ण
	पाठ-3 स्वार्थी दानव	पाठ-3 संज्ञा
	पाठ-5 समय बहुत ही मूल्यवान है पठन-पाठन	अपठित गद्यांश, चित्र वर्णन
	विषय संवर्धन कार्य	पठन-पाठन (ताना-बाना - कथा 1,2,3,4) श्रुतलेख (ताना-बाना - कथा 5,6) अभिनय (ताना-बाना - कथा 7,8)

महीना	पाठ्य पुस्तक	व्याकरण
अप्रैल तथा मई		पाठ-10 शुद्ध वर्तनी (श्रीमति से हिंदु) (पृष्ठ संख्या 61)
		पाठ-13 मुहावरे 1 से 6 तक (पृष्ठ संख्या 72)
		पाठ-15 पर्यायवाची शब्द - अग्नि से नदी तक (पृष्ठ संख्या 79)
		पाठ-16 विलोम शब्द - न्याय से दयालु तक (पृष्ठ संख्या 83)
		पाठ-17 श्रुतिसम भिन्नार्थक - उत्तर से बाघ तक (पृष्ठ संख्या 87)
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 1 से 14 तक (पृष्ठ संख्या 90)
		गिनती 1 से 25 तक
		अपठित गद्यांश, चित्र वर्णन
जुलाई	पाठ-4 मणिपुर	पाठ-5 सर्वनाम
	पाठ-6 दानवीर कर्ण (एकांकी) अभिनय द्वारा	पाठ-4 लिंग, वचन, कारक
	मैं आगे बढ़ता जाऊँगा (पठन हेतु)	पाठ-14 शब्द निर्माण (उपसर्ग)
	पाठ-7 विशेष पुरस्कार	
	पाठ-8 चतुर चित्रकार (कविता)	

महीना	पाठ्य पुस्तक	व्याकरण
अगस्त	पाठ-9 तंत्र मंत्र	पाठ-10 शुद्ध वर्तनी (मूरख से प्रश्न तक) (पृष्ठ संख्या 61)
		पाठ-13 मुहावरे 7 से 12 तक (पृष्ठ संख्या 72)
		पाठ-15 पर्यायवाची शब्द - पानी से अमृत तक (पृष्ठ संख्या 79)
		पाठ-16 विलोम शब्द - बालिग से सद्बुद्धि तक (पृष्ठ संख्या 83)
		पाठ-17 श्रुतिसम भिन्नार्थक शब्द - समान से दिन तक (पृष्ठ संख्या 87)
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 15 से 28 तक (पृष्ठ संख्या 90)
		गिनती - 26 से 50 तक
		पत्र लेखन, अनुच्छेद लेखन, अपठित गद्यांश, कहानी लेखन
अर्द्धवार्षिक परीक्षा का पाठ्यक्रम दोहराया जाएगा।		
सितंबर	पाठ-10 मसीहा	पाठ-6 विशेषण
	भगवान का शुक है (पाठ-पठन)	
	पाठ-11 नीति वचन (दोहे)	
अक्टूबर	क्या बेचोगे? (प्रेरक प्रसंग) (पठन हेतु)	पाठ-7 क्रिया (परियोजना कार्य)
	पाठ-12 हो जाएगा	पाठ-4 वचन, लिंग
	पाठ-13 इलाज (हास्य नाटिका) (अभिनय द्वारा)	पाठ-10 शुद्ध वर्तनी (आशीर्वाद से त्योहार तक)
	विषय संवर्धन कार्य	कहानी श्रवण/लेखन (ताना-बाना कथा-9,10) अभिनय (ताना-बाना - कथा 11,12)
महीना	पाठ्य पुस्तक	व्याकरण
नवंबर		पाठ-8 काल

		पाठ-11 मुहावरे - 13 से 18 तक (पृष्ठ संख्या 73)
		पाठ-15 पर्यायवाची शब्द - असुर से बिजली तक (पृष्ठ संख्या 80)
		पाठ-16 विलोम शब्द - उदय से दायँ तक (पृष्ठ संख्या 83, 84)
		पाठ-17 श्रुतिसम भिन्नार्थक शब्द - अंदर से ओर तक (पृष्ठ संख्या 91)
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 29 से 40 तक (पृष्ठ संख्या 91)
		गिनती - 51 से 75 तक
		अपठित गद्यांश, संवाद लेखन
दिसंबर	पाठ-14 नन्हा पौधा (कविता)	
	पाठ-15 मेरी शिक्षा	
	पाठ-16 ओणम	
जनवरी	पाठ-17 पिता का पत्र पुत्री के नाम	पाठ-9 अविकारी शब्द
	पाठ-18 उपग्रह	पाठ-14 शब्द निर्माण - प्रत्यय
	एक रूप यह भी (पठन हेतु)	पाठ-10 शुद्ध वर्तनी (गती से हल्का तक)
	विषय संवर्धन कार्य	अशुद्धि शोधन (ताना-बाना कथा 13,14) पठन-पाठन (ताना-बाना कथा 15,16)

महीना	पाठ्य पुस्तक	व्याकरण
फरवरी		पाठ-11 वाक्य
		पाठ-12 विराम चिह्न
		पाठ-13 मुहावरे 19 से 24 तक (पृष्ठ संख्या 73)
		पाठ-15 पर्यायवाची शब्द - भौरा से मछली तक (पृष्ठ संख्या 80)
		पाठ-16 विलोम शब्द - भला से लाभदायक तक (पृष्ठ संख्या 84)
		पाठ-17 श्रुतिसम भिन्नार्थक शब्द - कड़ाई से मेला तक (पृष्ठ संख्या 88)
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 41 से 52 तक (पृष्ठ संख्या 91)
		गिनती - 76 से 100 तक
		अनुच्छेद लेखन, पत्र लेखन, अपठित गद्यांश
वार्षिक परीक्षा का पाठ्यक्रम दोहराया जाएगा।		
मार्च		वार्षिक परीक्षा

परीक्षा	पाठ्यपुस्तक	व्याकरण
सामयिक परीक्षा - I	पाठ-1 मेरा देश (कविता)	पाठ-1 भाषा और व्याकरण पाठ-2 वर्ण
	पाठ-2 अभ्यास का महत्त्व	पाठ-3 संज्ञा पाठ-10 शुद्ध वर्तनी (श्रीमति से हिंदु)
	पाठ-3 स्वार्थी दानव	पाठ-13 मुहावरे (1 से 6 तक)
		पाठ-15 पर्यायवाची शब्द - अग्नि से नदी तक
		पाठ-16 विलोम शब्द - न्याय से दयालु तक
		पाठ-17 श्रुतिसम भिन्नार्थक - उत्तर से बाघ तक
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 1 से 14 तक
		गिनती - 1 से 25 तक
		अपठित गद्यांश, चित्र वर्णन

परीक्षा	पाठ्यपुस्तक	व्याकरण
अर्द्धवार्षिक परीक्षा	पाठ-2 अभ्यास का महत्त्व	पाठ-3 संज्ञा
	पाठ-4 मणिपुर	पाठ-5 सर्वनाम
	पाठ-7 विशेष पुरस्कार	पाठ-4 लिंग, वचन, कारक पाठ-14 शब्द निर्माण (उपसर्ग)
	पाठ-8 चतुर चित्रकार (कविता)	पाठ-10 शुद्ध वर्तनी (मूरख से प्रश्न तक) पाठ-13 मुहावरे (7 से 12 तक)
	पाठ-9 तंत्र मंत्र	पाठ-15 पर्यायवाची शब्द - पानी से अमृत तक पाठ-16 विलोम शब्द - बालिग से सद्बुद्धि तक पाठ-17 श्रुतिसम भिन्नार्थक शब्द - समान से दिन तक पाठ-18 अनेक शब्दों के लिए एक शब्द - 15 से 28 तक

		गिनती - 26 से 50 तक
		पत्र लेखन, अनुच्छेद लेखन, अपठित गद्यांश

परीक्षा	पाठ्यपुस्तक	व्याकरण
सामयिक परीक्षा - II	पाठ-10 मसीहा	पाठ-6 विशेषण
		पाठ-7 क्रिया
		पाठ-4 वचन, लिंग
	पाठ-11 नीति वचन (दोहे)	पाठ-10 शुद्ध वर्तनी
		पाठ-8 काल
		पाठ-11 मुहावरे - (13 से 18 तक)
	पाठ-12 हो जाएगा	पाठ-15 पर्यायवाची शब्द - असुर से बिजली तक
		पाठ-16 विलोम शब्द - उदय से दायँ तक
		पाठ-17 श्रुतिसम भिन्नार्थक शब्द - अंदर से ओर तक
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 29 से 40 तक
		गिनती - 51 से 75 तक
	अपठित गद्यांश, संवाद लेखन	

परीक्षा	पाठ्यपुस्तक	व्याकरण
वार्षिक परीक्षा	पाठ-10 मसीहा	पाठ-4 लिंग, वचन
	पाठ-11 नीति के दोहे	पाठ-7 क्रिया
	पाठ-14 नन्हा पौधा (कविता)	पाठ-9 अविकारी शब्द
	पाठ-15 मेरी शिक्षा	पाठ-10 शुद्ध वर्तनी (गती से हल्का तक)
	पाठ-16 ओणम	पाठ-11 वाक्य
	पाठ-17 पिता का पत्र पुत्री के नाम	पाठ-12 विराम चिह्न
		पाठ-13 मुहावरे (19 से 24 तक)
	पाठ-18 उपग्रह	पाठ-14 शब्द निर्माण - प्रत्यय
		पाठ-15 पर्यायवाची शब्द - भौरा से मछली तक
		पाठ-16 विलोम शब्द - भला से लाभदायक तक
		पाठ-17 श्रुतिसम भिन्नार्थक शब्द - कढ़ाई से मेला तक
		पाठ-18 अनेक शब्दों के लिए एक शब्द - 41 से 52 तक
		गिनती - 76 से 100 तक
	अनुच्छेद लेखन, पत्र लेखन, अपठित गद्यांश	

SUBJECT - MATHEMATICS

1. **COURSE BOOK** : LONGMAN ACTIVE MATHS 5
PUBLISHER: PEARSON
2. NEW ENJOYING MATHEMATICS
PRACTICE BOOK WITH **MENTAL MATHS**
PUBLISHER : OXFORD SCHOOL EDUCATION

OBJECTIVES:

The aims of teaching and learning mathematics are to encourage and enable students to:

- appreciate the usefulness, power and beauty of mathematics.
- understand and be able to use the language, symbols and notations of mathematics.
- develop mathematical curiosity and use reasoning when solving problems.
- Become confident in using mathematics to analyse and solve problems both in school and real-life situations.
- Develop abstract, logical and critical thinking and ability to reflect critically upon their work and the work of others.
- Appreciate the international dimension of mathematics and its multicultural and historical perspectives.

MONTHWISE SYLLABUS BREAK UP

APRIL

CHAPTER 1: NUMBERS

- Numbers and number names
- Place value and expanded form
- Comparing numbers
- International numerals
- Roman numerals

MENTAL MATHS: Pg 5-11

CHAPTER 2: FOUR OPERATIONS

- addition
- subtraction
- multiplication
- division

MENTAL MATHS : Pg 12-22

MAY

CHAPTER 3: FACTORS AND MULTIPLES

- Test of divisibility
- Prime and composite numbers
- Prime factorisation
- Common factors
- Highest common factors
- Common multiples
- Least common multiples

MENTAL MATHS : Pg 23-29

JULY

CHAPTER 4 : MENTAL ARITHMETICS

- Rounding numbers

CHAPTER 5: FRACTIONS

- Fractions
- Fraction as division
- Mixed numbers and improper fractions
- Equivalent fractions
- Fraction in lowest term
- Comparison , addition , subtraction, multiplication of like and unlike fractions
- Division of fractions

MENTAL MATHS: pg30-42

AUGUST

CHAPTER 16: PATTERN

- Square numbers
- Triangular numbers
- Magic squares
- Palindromes
- Secret numbers

CHAPTER 6 : DECIMALS

- Place value chart of decimals
- Expansion of decimals
- Conversion between decimals and fractions
- Equivalent decimals
- Like and unlike decimals
- Comparing and ordering of decimals
- Use of decimals in metric measurement
- Addition, subtraction ,multiplication and division of decimals

MENTAL MATHS :pg 43-57

SEPTEMBER

REVISION FOR MID – TERM EXAMS

CHAPTER 7: GEOMETRY I

- Plane and point
- Line segment, line and ray

OCTOBER

CHAPTER 7: GEOMETRY I

- Angles
- Measuring, types of angles and drawing of angles
- Intersecting angles
- Perpendicular lines
- Parallel lines
- Triangles

- Circles

CHAPTER 8: GEOMETRY II

- Symmetry
- Nets

MENTAL MATHS:pg 58-68

NOVEMBER

CHAPTER 9: MONEY

- Operation on money
- Unitary method
- Profit and loss

CHAPTER 10: MEASUREMENT

- MEASUREMENT OF LENGTH, MASS, CAPACITY
- OPERATION INVOLVING UNITS OF LENGTH, MASS, CAPACITY
- TEMPERATURE

MENTAL MATHS:pg 69-77

DECEMBER

CHAPTER 11 : PERIMETER, AREA AND VOLUME

- PERIMETER
- AREA
- VOLUME

MENTAL MATHS: pg78-92

JANUARY

CHAPTER 12 : TIME

- RELATIONSHIP AND CONVERSION (HOURS, MINUTES AND SECONDS)
- RELATIONSHIP AND CONVERSION (YEARS, MONTHS AND DAYS)
- ADDITION AND SUBTRACTION OF TIME
- 24-HOUR CLOCK
- TIME DURATION

MENTAL MATHS: Pg 93-98

FEBRUARY

CHAPTER 15: DATA HANDLING

- COLLECTION AND INTERPRETATION OF DATA
- BAR GRAPH
- CIRCULAR CHART

MENTAL MATHS: Pg 104-106

- REVISION FOR SA-2

MARCH

- Final Exam

EXAMWISE SYLLABUS BREAKUP

PERIODIC TEST-1 (P4)

- CHAPTER 1 : NUMBERS
- CHAPTER 2 : FOUR OPERATIONS
- CHAPTER 3 : FACTORS AND MULTIPLES

MID TERM

- CHAPTER 3 : FACTORS AND MULTIPLES
- CHAPTER 4 : MENTAL ARITHMETIC
- CHAPTER 5 : FRACTIONS
- CHAPTER 6 : DECIMALS
- CHAPTER 14 : PATTERN

PERIODIC TEST-2

- CHAPTER 7 : GEOMETRY I
- CHAPTER 9 : MONEY
- CHAPTER 8 : GEOMETRY II

FINAL TERM

- CHAPTER 7 : GEOMETRY I
- CHAPTER 9 : MONEY
- CHAPTER 10 : MEASUREMENT
- CHAPTER 11 : PERIMETER ,AREA AND VOLUME
- CHAPTER 12 : TIME
- CHAPTER 13 : DATA HANDLING

SUBJECT - SCIENCE

Science is a body of knowledge based on experiment, observation and inference, which is judgment based on evidence. Through science teaching, children are required to develop certain scientific ways of thinking as they work.

The subject of science plays an important role in developing well-defined abilities in cognitive, affective and psychomotor domains in children. It augments the spirit of enquiry, creativity, objectivity and aesthetic sensibility.

OBJECTIVES

Science teaching aims to realize the following general objectives. It enables the learners to:

- Know the facts and principles of science and its applications, consistent with the stage of cognitive development
- Acquire the skills and understand the methods and processes that lead to generation and validation of scientific knowledge.
- Develop intellectual and practical scientific skills.
- Motivate to apply basic scientific principles in all sciences.
- Acquire knowledge about health, environment and safety practices and behave accordingly.
- Realize that some natural resources can be depleted and make them aware of the role of science in sustaining these resources.
- Use scientific knowledge and skills in novel situations especially in everyday life.
- Emphasize the role of scientists in the advancement of human kind.
- Develop scientific curiosity and orientation toward scientific research.
- Work independently and cooperatively in solving scientific problems.

APRIL

LESSON -1 Plant Life

What is a seed?

Germination of seeds

Dispersal of seeds

Vegetative Propagation

Crops—Rabi crop and kharif crop

Crop production

ACTIVITY—Germination of seeds

LESSON-10 SOIL CONSERVATION

Soil erosion

Factors causing soil erosion

Soil conservation

Soil pollution

MAY

LESSON -6

Why do we need a house?

Factors affecting the type of house to be constructed

Characteristics of an ideal house

JULY

LESSON-3 BONES AND MUSCLES

What are bones?

The human skeleton—the skull, the spine, the rib cage, the limbs

Joints—the immovable joints and the movable joints

Muscles—skeletal muscles, smooth muscles and cardiac muscles

Activity: Lab visit to study the human skeleton

LESSON-4 NERVOUS SYSTEM

Organs of nervous system—the brain, the spinal cord and nerves

Reflex actions

Sense organs and nervous system

Human brain and its functions

How do our sense organs help us?

Care of sense organs

AUGUST

LESSON-9 ROCKS AND MINERALS

What are rocks made of?

Types of rocks –igneous rocks, sedimentary rocks, metamorphic rocks

Treasures in earth- metallic minerals and non-metallic minerals

Fossil fuel and conservation of natural resources

LESSON-12 STATES OF MATTER

What is matter?

Elements and compounds

Three states of matter

Changes in states of matter

Physical and chemical changes

Solubility of solids, liquids and gases in water

SUBJECT ENRICHMENT ACTIVITY—soluble and insoluble substances, Removal of impurities from water

SEPTEMBER

LESSON-7 LIVING SAFELY

Project and write ups -safety rules to avoid accidents

first aid to deal with certain emergencies

OCTOBER

LESSON-5 FOOD AND HEALTH

Why do we need food?

Balanced Diet

Necessity of balanced diet, physical exercise and rest

Non communicable diseases or deficiency diseases

Communicable diseases

Diseases causing microorganisms and their carriers

Prevention of diseases and vaccination

NOVEMBER

LESSON-11 SAVING OUR ENVIRONMENT

Constituents of environment

What is Pollution?

Kinds of pollution

Air pollution— acid rain, greenhouse effect, global warming

Water pollution, soil pollution, noise pollution

Ways to save environment

LESSON-13 FORCE, ENERGY AND SIMPLE MACHINES

Force - effects of force

Types of force

Work and energy

Simple machines -lever, inclined plane, pulley, wheel and axle, screw and wedge

DECEMBER

LESSON-2 The Animal Life

Habitat or surrounding of an animal

Breathing and feeding habits in different animals

Movement in different animals—terrestrial, aquatic, aerial animals

Migration and hibernation in animals

LESSON-8 AIR AND WATER

Atmosphere and its layers

Composition and characteristics of air

Uses of air

Water—a universal solvent

Removing insoluble impurities and soluble impurities from water

Purification of water at home and at water works

JANUARY

LESSON-15 NATURAL CALAMITIES

What are natural disasters?

Earthquake, volcano, tidal waves, flood, drought

Dealing with natural calamity

Role of NGO'S

FEBRUARY

LESSON-14 THE MOON

Natural satellite of the earth- the moon

Life on the moon, landing on the moon

Phases of the moon and tides

Eclipses—Solar Eclipse and lunar eclipse

Artificial satellites-uses of artificial satellites

SUBJECT ENRICHMENT ACTIVITY - Artificial satellites launched by India and their contribution

EXAM WISE SYLLABUS BREAKUP

PERIODIC TEST-I

LESSON—1 PLANT LIFE

LESSON—10 SOIL CONSERVATION

LESSON—6 BUILDING HOUSES

MID TERM EXAM

LESSON -9 ROCKS AND MINERALS

LESSON -3 BONES AND MUSCLES

LESSON-4 NERVOUS SYSTEM

LESSON -12 STATES OF MATTER

PERIODIC TEST-II

LESSON—5 FOOD AND HEALTH

LESSON—11 SAVING OUR ENVIRONMENT

LESSON-13 FORCE ENERGY AND SIMPLE MACHINE

FINAL TERM EXAM

LESSON—2 ANIMALS LIFE

LESSON -8 AIR AND WATER

LESSON-15 NATURAL CALAMITIES

LESSON—14 THE MOON

SUBJECT - SOCIAL STUDIES

BOOK SOCIAL STUDIES FOR JUNIORS

PUBLISHER GOYAL BROTHERS PRAKASHAN

Objectives

The objectives of teaching social studies at the primary stages are

- To develop in the child skills of observation, identification and classification.
- To develop in the child a holistic understanding of the environment with emphasis on the interrelationship of the natural and the social environments.
 - To sensitise the child to social issues and develop in him/her a respect for difference and diversity.
- It enables children to understand the society in which they live - to learn how society is structured, managed, and governed, and also about the forces seeking to transform and redirect society in various ways.
 - It enables children to grow up as active, responsible, and reflective member of society.
- It helps students to learn to respect differences of opinion, lifestyle, and cultural practices.
 - Students will be able to question and examine received ideas, institutions and practices.

MONTH WISE AND EXAMWISE SYLLABUS BREAKUP

PERIODIC TEST 1

APRIL

Lesson -1 Globe – A Model of The Earth

Globe, Latitudes, Longitudes, Important Parallels, Grid

Lesson – 2 Maps Our Guide

Limitations of Globe, Importance of Maps, Types of Maps, Study of Map, Directions, Sub Directions, Scale, Signs & symbols, Conventional Symbols

Lesson-3 Climate

Weather, Climate, Factors Affecting Climate, Altitude, Latitude, Distance from the Sea, winds, Ocean Currents, Humidity, Greenhouse Effect

May

Lesson – 5 Greenland – The Land of Ice & Snow

Location, Climate, Vegetation, Animal Life, Life of The People, Clothes, Houses, Modern Time in Greenland

MID TERM 1

July

Lesson -4 The Democratic Republic of Congo

Location, Neighbouring Countries, Climate, Vegetation, Wildlife, Agriculture, Industry, Life of The People, Transport, Important Cities, Mapwork

Map Work : The Democratic Republic of Congo and its neighbouring Countries.

Lesson -8 Conquering Distances

Introduction, Roadways, Railways, Airways, Waterways – Major Sea Routes, Disadvantages of Modern Means of Transport

Lesson 10 The World Of Growing Knowledge

Story of writing, Story of Numbers, The Art of Printing, The Story of Paper, Braille Script, Literacy

August

Lesson -13 Great People Never Die

Socrates, Abraham Lincoln, Karl Marx, Mahatma Gandhi, Martin Luther King Jr., Mother Teresa

Lesson-14 The Birth Of The United Nations

The Birth Of League of Nations, The Birth Of United Nations, Main Aim, Principles & Objectives of the UN

Revision Lesson 4, 8, 10

September

Revision Lesson 13, 14

MID TERM 1

SUBJECT ENRICHMENT ACTIVITIES FOR TERM 1

BROCHURE MAKING OF DIFFERENT COUNTRIES, PPT ON TRAVEL AND TOURISM

PERIODIC TEST 2

Lesson – 7 Temperate Grassland – Prairies

Location, Climate, Vegetation, Life Style, Map Work

October

Lesson-11 Healthcare

Clinical Thermometer, Stethoscope, Microscope, X-Rays, Laser, Surgery, Medicine, Antibiotic, Prevention of Diseases, Vaccination, Chloroform, Basic Healthcare

Lesson -9 Communication

Post Office, Telegraph, Telephone, Cellular phone, Fax, Mass Media, Radio, Television, Internet, Tablet PC, Cinema, Television, Communication, Satellites, Advertisements

November

Lesson – 15 The Working of United Nations

Structure of UN, The General Assembly, The Security Council, The ECOSOC, The Secretariat, International Court of Justice, Trusteeship Council, Special Agencies of UN – UNICEF, UNESCO, WHO, FAO, ILO, Achievements of UN

Lesson – 16 India and the United Nations

Contribution of India in UN, Worked done by UN in India, Non Aligned Movement

FINAL TERM

December

Lesson -6 Saudi Arabia –The Land Of Hot Sands

Location, Neighbouring Countries, Climate, Vegetation, Agriculture, Industry, Life of The People, Dress, Important Cities, Government

Map Work : Saudi Arabia and its neighbouring countries.

Lesson-12 The Age of Machines

Discovery of Metal, Steam Engine, Industrial Revolution, Mass Production, Food for Machines, Petroleum, Electricity, Hydroelectricity, Nuclear Energy, Solar Energy, Biogas, Wind Energy

January

Lesson -17 The Revolt of 1857

East India Company, Battle of Plassey, Injustice of the British, Revolt of 1857, Suppression

Lesson -18 The Beginning of the Freedom Struggle

Social Reformers, Birth Of Indian National Congress, Moderates, Extremists, Revolutionaries, Divide And Rule Policy, Swadeshi Movement

February

Lesson -19 India wins Freedom

Mahatma Gandhi & His Work for Freedom, Rowlatt Act, Non Cooperation Movement, Khilafat Movement, Poorna Swaraj, Civil Disobedience Movement, Revolutionaries, Quit India Movement, Subhash Chandra Bose, Indian National Army, Free India

Revision – L-6, 12, 17,18,19

March

FINAL TERM EXAMS

SUBJECT ENRICHMENT ACTIVITIES FOR TERM 2

MOCK PARLIAMENT, POSTER MAKING

EXAMWISE SYLLABUS BREAKUP

PERIODIC TEST – I

Lesson – 1	:	Globe - A Model of the Earth
Lesson – 2	:	Maps Our Guides
Lesson – 3	:	Climate
Lesson – 5	:	Greenland – The Land of Ice and Snow

MID TERM EXAM

Lesson – 4	:	The Democratic Republic of Congo
Lesson – 8	:	Conquering Distances
Lesson – 10	:	The World of Growing Knowledge
Lesson – 13	:	Great People Never Die
Lesson – 14	:	The Birth of the United Nations
Map Work	:	Saudi Arabia and its neighbouring countries.

SUBJECT ENRICHMENT ACTIVITIES FOR TERM 1

BROCHURE MAKING OF DIFFERENT COUNTRIES, PPT ON TRAVEL AND TOURISM

PERIODIC TEST – II

Lesson – 7	:	Temperate Grassland – Prairies
Lesson – 9	:	Communication
Lesson – 11	:	Healthcare
Lesson – 15	:	The Working of the United Nations
Lesson – 16	:	India and the United Nations

FINAL TERM

Lesson – 6	:	Saudi Arabia – The Land of Hot Sands
Lesson – 12	:	The Age of Machines
Lesson – 17	:	The Revolt of 1857
Lesson – 18	:	The Beginning of the Freedom Struggle
Lesson – 19	:	India Wins Freedom
Map Work	:	The Democratic Republic of Congo and its neighbouring Countries.

SUBJECT ENRICHMENT ACTIVITIES FOR TERM 2

MOCK PARLIAMENT, POSTER MAKING

SUBJECT - COMPUTER SCIENCE

Learning objectives:

- To provide maximum opportunities to the children to observe things independently participate in group activities.
- To create awareness and sensitivity among the children towards the environment and its preservation.
- To emphasize the importance of healthy food, hygiene and physical exercise.
- To inculcate healthy habits and human values among the children.

Text Book: IT Planet My Bits & Bytes Windows 8.1 & office 2013 **5**

Author: Mr. Harsh Arora and Mr. Davinder Singh Minhas

Publisher: PMP Publishers Pvt Ltd.

Reference Book: NA

APRIL

Lesson 1: Generations of Computer

Subtopics:

- Generation
- Generations of Computer
- First Generation Computers
- Second Generation Computers
- Third Generation Computers
- Fourth Generation Computers
- Fifth Generation Computers

Lesson 4: Files and Folders in Windows 8.1

Subtopics:

- Files and Folders
- Understanding Disks and Drivers
- This PC
- File Explorer
- Viewing Files and Folders
- Changing the view of Files and Folders
- Selecting Files and Folders
- Creating a New File/Folder

MAY

Lesson 4: Files and Folders in Windows 8.1

Subtopics:

- Creating a Folder on the Desktop
- Renaming a File/Folder
- Copying or Moving a File/Folder
- Preview a File
- Deleting File/Folder

- Restoring a Deleted File
- Emptying the Recycle Bin
- Searching Files

JULY

REVISION for Periodic Test 1

Periodic Test 1 (Date: July , 2017)

Lesson 2 : Computer Languages

Subtopics:

- Computer Language
- Categories of Programming Languages
- Low Level Languages
- High Level Languages
- Language Processor
- Some High Level Languages

PRACTICAL: Files and Folders in Windows

AUGUST

Lesson 5: Learning to type

Subtopic:

- **Typing**
- **Home Keys**
- **Practice**

Lesson 6: Features in MS-WORD

Subtopics:

- Word Processor
- Inserting Text in Document
- Deleting Text in Document
- Undoing feature
- Spelling and Grammar Mistakes
- Using Thesaurus
- Finding and Replacing Text
- Changing Text Case
- Bullets and Numbering
- Drop Cap
- Changing the Line Spacing
- Hiding and Displaying Ruler in document
- Indenting a Paragraph
- Changing Tab Setting
- Adding Line Number
- Adding Page Number
- Creating a Newspaper Column
- Creating a Table

PRACTICAL: MS-WORD
Practical Exam of MS-WORD

SEPTEMBER

REVISION for MID TERM EXAM

Lesson 2 : Computer Languages
Lesson 6: Features in MS-WORD

Lesson 7: Microsoft PowerPoint

Subtopics:

- Introduction to PowerPoint
- Starting PowerPoint
- Creating a blank presentation with Design Theme

PRACTICAL: Microsoft PowerPoint
MID TERM EXAM (Date : September, 2017)

OCTOBER

Lesson 7: Microsoft PowerPoint

Subtopics:

- Creating the Title Slide
- Adding a new slide to a presentation
- Changing the slide layout
- Adding online Picture or ClipArt
- Adding a Picture Image
- Adding a Tables in Presentation
- Adding a Chart in Slide
- Adding Smart Art in Slide
- Adding Border to the Image
- Adding Solid Color , Gradient , Texture or Custom Image in Background
- Changing PowerPoint Views
- Adding Slide Transition
- Adding Animation Effects
- Run a Slide Show

PRACTICAL: Microsoft PowerPoint

NOVEMBER

Lesson 3: Algorithm and Flowchart

Subtopics:

- Introduction
- Algorithm
- Flowchart
- Rules for making a Flowchart
- Program

PRACTICAL: Microsoft PowerPoint & Designing Flowcharts

DECEMBER

REVISION for Periodic Test 2

Lesson 8: Microsoft Excel

Subtopic:

- Microsoft Excel
- Uses of Excel
- Features of Excel
- Starting Excel
- The Excel Window
- Change the Active cell
- Entering Data
- Changing Views
- Saving a Workbook
- Opening a Workbook
- Closing a Workbook

PRACTICAL: Designing Workbook in Microsoft Excel

Periodic Test 2 (Date: Dec , 2017)

JANUARY

Lesson 9: Internet

Subtopic:

- Internet
- History of Internet
- Things you can do on Internet
- Internet Service Provider
- World Wide Web

PRACTICAL: Microsoft Excel and Internet

FEBRUARY

Lesson 8: Internet

Subtopic:

- Search Engine
- Web Browser
- Microsoft Internet Explorer
- Search the Web through Browser

PRACTICAL: Microsoft Excel and Internet

REVISION for FINAL EXAM

Lesson 8: Microsoft Excel
Lesson 9: Internet

FINAL EXAM (Date : Mar, 2017)**TERM WISE SYLLABUS**

Term	Syllabus	
PT 1	Lesson 1 Lesson 4	Generations of Computer Files and Folders in Windows 8.1
MID TERM EXAM	Lesson 2 Lesson 6	Computer Languages Features in MS WORD
PT 2	Lesson 7 Lesson 3	Microsoft PowerPoint Algorithm and Flowchart
FINAL EXAM	Lesson 8 Lesson 9	Microsoft Excel Internet