ASN Senior Secondary School MAYUR VIHAR - I



SESSION - 2017-2018

FOR CLASS V

SESSION - 2017-2018

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ENGLISH

Learning Outcomes:

The learner will be able to

- acquire the important skills of listening, speaking, reading and writing in an integrated manner.
- attain a basic competence in the use of English language.
- develop and use specific vocabulary in different contexts.
- develop an understanding of language as an instrument for basic interpersonal communication.

Books Prescribed:

- New Broadway 5 (Oxford university Press)
- Assignment Book of Grammar 5 (workbook)
- Macmillan Graded Handwriting Series 5
- School Stories by Paro Anand (Story Book)

Suggested Reading:

- The Magic of the Lost Temple by Sudha Murty
- Oddbird by Anupa Lal

- George's Marvellous Medicine by Roald Dahl
- Mystery of the Falling Mountains by Nilima Sinha
- Crazy Times with Uncle Ken by Ruskin Bond
- School Stories by Paro Anand (Story Book) will be done in the class on a regular basis.

Month	Literature	Grammar	Reading	Writing	Activity
April/May	Unit -1 The Seed Poem-The Quarrel	Sentences	Comprehension	Paragraph- My Hobby	Speaking-unit -1- Guess the room
July	Unit-2 Gulliver in Lilliput Poem- Preening	Verbs Simple Present Tense Present Continuous Tense	Comprehension	Paragraph- Safety in Day to Day Life	Speaking-Unit 2- Making Suggestions
August	Unit-3 Clever Somu Poem- The Outsider	Nouns Simple Past	Comprehension	Paragraph- I wish I were	Speaking-Unit 3- Describing people

		Tense Past Continuous Tense			and places
September	Unit-4 The Wrong House Poem- Warrior of the light(Read & Enjoy)	Pronouns Simple Future Tense Future Continuous Tense	Comprehension	Paragraph- If there was no Television in your house	Speaking-Unit 4- Brainstorming: Ideas to prevent crime
October	Unit-5 The Honeyguide's Revenge(Pleasure Reading) Poem- The Recycling Rap	Adjectives	Comprehension	Paragraph- The Person I Admire the Most	Speaking-Unit 5- Describing a place Speaking-Unit 7- Guessing game- Identifying a person
November	Unit-6 Recipe for Inspiration(Pleasure Reading) Unit-8 Ani's Key	Articles & Adverbs	Comprehension	Paragraph- An Unforgettable Day	Speaking-Unit 6- Asking Questions Persuading and Convincing

December	Poem- You can't be That Unit-9 A Letter to J.R.D Tata(Pleasure Reading) Unit-12 The Rat's	Prepositions	Comprehension	Paragraph- Informal Letter Writing	Unit 8-Creative Uses for everyday objects Speaking-Unit 9- Talking about everyday problems
	Feast Poem- Gold(Read & Enjoy)				
January	Unit-10 Dirty Money(Pleasure Reading) Unit-11 Waiting in Line at the Drugstore(Pleasure Reading)	Conjunctions	Poem Comprehension	Paragraph- Pollution Free Earth	Speaking- Unit 10- Describing different perspectives Unit 11- Making enquiries and offering suggestions
Feb/March		Revisi	ion for Annual Exa	ams	

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SCIENCE

Learning Outcomes:

The students will be able to:

- develop a spirit of enquiry.
- > appreciate the world they inhabit and work to conserve the environment.
- solve high order thinking questions and problems.
- acquire investigative and manipulative skills through collaborative activities, experiments and projects.
- > question, think and explore.
- develop life skills and imbibe values.

Books Prescribed: Eureka Plus by Dr JMD' Souza and Dr Kirti D' Souza Science Workbook

MONTH	CHAPTER/ TOPIC	HANDS ON EXPERIMENTS/	ASSIGNMENT
		ACTIVITIES	IN
			WORKBOOK

April/ May	L-9: Simple machines	 Showing simple machines which we use in our daily life. Role play on 'Simple Machines' with props. Poster making on "Save environment". Project and group discussion on "Global Warming" 	Assignment 10 Assignment 8
July	L-7 Skeletal System L-4: Soil	 Bio lab visit and showing skeletal system. Demonstrate formation of soil with the help of stones. Demonstrate soil erosion and soil conservation. 	Assignment 4 Assignment 12

August	L-3 Matter Page 161 Safety and first aid	 Demonstrate tiny drops of water appear on the outer surface of a glass containing ice cold water. Demonstrate physical change (melting of wax) and chemical change (burning of paper). Demonstrate smell of incense stick goes to the every corner of the house. Scrap file activity(house wise) Safety rules to be followed a) in school b) at home Assignment 2 Assignment 2 Assignment 13
September	L- 6 : animals	c) on road d) in the playground • Group Activity: (house wise) making chart on Assignment 3
	everywhere	a) migratory animalsb) movement of animalsc) aquatic animalsd) types of habitat

	L-5 Rocks and minerals	Project and group discussion on a) Minerals	Assignment 12
October	L-8 Nervous system	Showing model of brain and group discussion.	Assignment 5
November	L-11 Natural disaster	Scrap file activity: Find out about the earthquakes that have occurred in the recent past (taking help of the internet)	Assignment 7
December	L-10 The sun, earth, moon – light and shadow L-1 Plant reproduction	 To show eclipse with the help of torch, globe etc. Classroom activity - a) to show vegetative propagation(onion, money plant) 	Assignment 5 Assignment 1
January	L-2 Food, health , diseases	Project and Group Discussion	Assignment 11

MATHS

Learning Outcomes:

The students will be able to

- > acquire understanding of numbers and numeration
- > analyse the concepts through hands on activities
- develop abstract, logical and critical thinking
- develop higher order thinking skills
- > solve word problems depicting real life situations
- develop positive attitude towards Mathematics and making good use of leisure time

Book prescribed: Oxford New Enjoying Mathematics

Month	Topic	Activities	Assignments in Workbooks
April-May	Unit -1 Place Value Unit-2 Addition , Subtraction and their Applications	 Make a Magic Square using Roman Numerals Explore number patterns- triangular and square numbers 	Assignment 1 to 5 (pg 1-9)

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July	Unit-3 Multiplication, Division and their Applications Unit -9 Shapes, Patterns and Nets	 Tambola ticket activity based on four basic operations Find the Average of three numbers using paper strips Make different 2-D shapes using Tangrams Make different patterns using pentablocks 	 Assignment 1 to 5 (pg 11 -20) Assignment 1 &2 (pg 49 – 52)
August	Unit -4 Factors Unit-5 Multiples	 Find factors of two numbers using small interlocking cubes and then finding their HCF Find the LCM of two numbers using square lined paper 	• Assignment 1 to 4 (pg 22 to 27)
September	Unit -6 Fractions Unit- 7 Decimals	 Show Equivalent fractions using paper strip Multiplication of fractions using square lined paper 	• Assignment 1to4 (pg 29 -36)

October	Unit-8 More About Decimals	Go through the newspaper and find different places where decimals are used. Cut and paste them on an A-4 size sheet and write them in words	Assignment 1 to 5 (pg 39 – 47)and Assignment 3 (pg 53)
November	Unit-10 Geometry Basics Unit-11 Measurement	 Show types of angles on Geoboard Use a measuring tape to measure the length of different objects in the classroom. Convert the lengths from one unit into another 	 Assignment 1 to 4
December	Unit-12 Perimeter, Area and Volume Unit-14 Mapping Skills	 Find the perimeter and area of a given shape using geoboard. Find the volume of solid shapes using small cubes. Find the perimeter and area of a 	 Assignment 1 to 3

		given shape using a square lined of paper.	
January	Unit-13 Time and Temperature Unit 15 Handling Data	 Find out the time difference between India and the following countries (Japan ,United Kingdom ,Italy ,New Zealand)and record the data in tabular form. Read the weather report in the newspaper carefully. Record the maximum temperature of the capital cities. Represent the data as a bar graph. Also repeat this activity for the minimum temperature of these cities. 	 Assignment 1 &2
February	Revision for Annual Examination		

SOCIAL STUDIES

Learning Objectives:

- > They will be able to investigate about our planet, its movements, Imaginary lines etc.
- They will be able to distinguish between weather and climate and its factors.
- ➤ They will be able to identify timelines and historical movements.
- ➤ They will illustrate government, its formation and Indian Judiciary.
- They will be able to construct knowledge about UN, its organs and agencies.

BooksPrescribed:

My Big Book Of Social Studies - Ratna Sagar.

Workbook of Social Studies.

MONTH	CHAPTER	ACTIVITIES	ASSIGNMENT
April &	L-1 Know your Planet	1) To Construct the web chart on oceans and	Assignment 01
May	L-2 Parallels and	continents	Know your Planet
	Meridians	2) Diagram of important parallels and	Assignment 02
		Meridians	Parallels and Meridians

		3) Map Work:(a) Location of continents and oceans on world map(b) Location of latitudes and prime meridian on world map	
July	L- 3 Movements Of The	1) Group Discussion on rotation and	Assignment 03
	Earth	revolution	Major Landforms
	L- 4 Major Landforms	2) Diagram of division of Land and water on	Assignment 05
	L-5 Weather and	earth surface.	Weather and climate
	Climate	3) Stages of river	
		4) Newspaper activity based on weather	
		5) Diagram of the heat zones of the earth	
August	L- 6 The Land Of Dense	1) Project based on depicting meanders of	Assignment 06
	Forest	river Congo	The land of dense forest
	L- 7 The Land Of Snow	2) Paste pictures of animals found in snow	Assignment 07
	L-8 The Land Of Sand	regions	Land of Snow
		3) Model of Igloo using cotton	Assignment 08

		4) Activity based on desert scene	Deserts of the world
		5) Map Work:	
		(a) Location of green land	
September	L- 9 The Treeless	1)Construct a web chart of modern	Assignment 09
	Grasslands	agriculture method	The treeless grasslands
	L-10 Environmental	2) Group discussion based on types of	Assignment 11
	Pollution	pollution	Environmental Pollution
	L-11 E For Environment	3) Activity on water Management	Assignment 10
		4) Map Work:	E for Environment
		(a) Locating major grasslands of the world	
October	L- 12 Natural Disaster	1) Project on Natural Disaster	Assignment 12
	L-13 We Are Proud Of	2) Collage on various natural disasters	Natural disaster
	Them	3) Group discussion based on great people	
	L-17 Transport And	and their stories	Assignment 17
	Communication	4) Paste pictures related to transport and	We are proud of them
		communication	Assignment 13

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		5) Map Work:	Conquering distance
		(a) Showing Suez canal and Panama canal,	Assignment 14
		International Airports	Keeping in touch
November	L- 14 The World From	1) Activity based on important dates and	Assignment 18
	1914 to1945	events	Towards Freedom
	L-15 Towards Freedom	2) Paste pictures of leaders of revolt of 1857	Assignment 19
	L-16 India Wins	3) Activity on life sketch of Mahatma Gandhi	India wins freedom
	Freedom	4) Map Work:	
		(a) Centers of revolt of 1857	
December	L- 18 Governing	1) Paste picture of parliament and supreme	Assignment 20
	Ourselves	court and write about it	Governing ourselves
		2) Paste pictures of present Prime Minister	
		and President of India	
January	L- 19 The United	1) Draw organs and agencies of UN	Assignment 21
	Nations	2) Newspaper activity based on UN	The United Nations
February	REVISION		

COMPUTER

Learning Outcomes: The students will be able to:

- demonstrate proficiency in problem-solving techniques using the computer
- > demonstrate the ability to produce a technical document.
- understand Microsoft Office 16
- operate and work in window 10
- compose and send e-mail

Books Prescribed:

Gateway to Windows- 5 by Navdeep Publications

Month	Topic	Activities	Assignment
April	Ch-1 Development of Computers	Early Calculating DevicesModern computersInside the System UnitMemory of Computer	Prepare a marksheet using functions
May	Ch-2 Using the Control Panel	Working with Control Panel	Make PowerPoint Presentation using transition

		 Operating the Control Panel Changing the shape of Pointers 	
July	Ch-3 Page Formatting in MS-Office Word	 Formatting Inserting Header and Footer, Page break, Page number, Columns Applying Border and Shading Changing Orientation 	 Documentation on various topic (UNSDG Goals) Designing Pamphlets
August	Ch- 4 Advanced Features of Word Ch-5 Working in MS- Office Powerpoint	 Spell check, Thesaurus, Dialog box buttons Mail Merge About Presentation, Various Layouts & Views Inserting Smart Art, Picture, Media clip 	Creating lettersSending InvitationCreating presentation using animation

September	Revision & Practical Exam Ch- 6 Background & Animation	 Applying Theme, Slide Transition Speed, Animation to Slide Objects, Sounds 	Revision
October	Ch - 7 Introducing Ms- Office Excel	 Components of the Excel Screen Types of Data AutoSum Button Copying formula Sorting of Data 	 Create worksheet to maintain student record Creating bills
November	Ch-8 Problem Solving	AlgorithmFlowchartFlowchart Symbols	Draw flowchart
December	Ch-9 Starting QBasic	 Variable and constant Operators Commands – LET, PRINT, 	 Writing Programs – Addition, Subtraction, Multiplication & Division

		CLS, INPUT	Printing messages with gap, without gap
January	Ch- 10 WWW and E- Mail	 Important Internet Terms Searching the information, images Saving Web Page E-mail 	Copying information and saving it in the document
February	REVISIONPractical Exam & Vine	va	

GENERAL AWARENESS

Learning Objectives:

- > The students will be able to learn about India, its political and physical divisions.
- > The children will be able to focus on the understanding of India's varied culture and diversity.
- The students will be able to develop healthy food habits.
- > The students will be able to sense the importance and relevance of Unity in Diversity.
- The children will be able to learn the art of Fun With Learning.

BookPrescribed:

Know and Grow with Derek (Pearson)

Month	Chapter Activities	
	SECTION A	
April/	India- Our Country	Draw pictures of Festivals and Dances
May	Sports Round Up	Newspaper activity on football.

July	Grammar and Language Plant and Animal Kingdom Exploring Science	•	Newspaper activity on English Grammar Draw pictures of any two birds. Collect any five spices in packets and paste them in your notebook and name them Newspaper activity on space and science Draw solar system
August	Thinking and Number Skills Our World and The Environment		Role play on Time Management Paste/draw renewable and non-renewable materials
September	Literature and Entertainment Life Skills and Value Education		Newspaper activity on figures of speech Role play on life skill topics
	SECTION-B		
October	India- Our Country Sports Round Up		Paste pictures of Indian famous monuments. Newspaper activity on sports

November	Grammar and Language Plant and Animal Kingdom	 Newspaper activity on English grammar Draw/ Paste pictures of aquatic or wild animals
December	Exploring Science Thinking and Number Skills	 Newspaper activity on science and technology Newspaper activity on Maths topic
January	Our World and The Environment Literature and Entertainment	 Map Work: Locate 05 International Airports Make your own cartoon book
February	Life Skills and Value Education	Write five things you will do as a good samaritan

ART & CRAFT

Month	Topic	Hands on Art & Craft	Art File Activities
April	Elements Of Art	 Ac-1 Basic Elements And Principles Of Art-Line ,Form ,Shapes ,Colour, Value,	 Script -a-trip On UNSDGs - Gender Equality Quality Education Climate Action Zero Hunger No Poverty
May	Embossing Sand Art	 Ac-8,15,27 Emboss The Template Ac-25 Sand Art In Eye Ac-23 Pencil Shaving 	Poster Making On Use Energy With Care

July	Indian Art Rakhi Making	Ac-20 Gond ArtAc-29 Madhubani Art	Painting Think Road Safety
August	Creative Craft	Ac-3 Modular OrigamiCubeAc-30 Whimsical Art	
September	Shading Techniques	 Ac-4, 14 Pencil Shading Hatching, Cross Hatching, Blending, Stippling, Tonal Shading 	Seascape,Landscape
october	Quilling	Ac-19,28 Quilling	Diwali Scene
November	Fun & Floric With Craft	 Ac-6 Collaborating Art To Make Different Climate Zone Ac-16 Mandala 	figurative Drawing

December	Different Art Form	Ac-11 3d Swan	Winter Scene
		 Ac-26 Aboriginal Art 	
January	Calligraphy	Ac-12 Idioms Calligraphy	New Year Celebration
	Pointllism	Ac-13 Pointillism In	
		Freedom Fighters	
February	Book Layout	Ac-5 Dot Art	