

**SYLLABUS (2010-2011)**  
**ENGLISH**  
**CLASS IV**

**BOOKS** New Broadway – 4 ( Oxford) Course Book  
New Broadway- Workbook – 4  
Joy Of Grammar- Angel International – 4

**APRIL/MAY**

**LITERATURE** Lesson 1 – The Humming Bird Who  
Chewed Bubblegum

Reading Comprehension	Factual, Inferential and Evaluative
Vocabulary	Common expressions with prepositions
Grammar	Use of so and because
Writing	Writing a story using chronological clues
Speaking discussions	Telephonic conversation and group
Listening	Listening for specific details
9	Worksheet 1- Do Not Soar Too High – Page 9
	Poem – Everyday Things [ learn by heart]

<b>GRAMMAR</b>	1. The Sentence	Page 5 to 7
	2. Subject and Predicate	Page 8 to 10
	3. The Noun	Page 11 to 16

**JULY**

**LITERATURE** Lesson – 2 I Want To Stay Awake

Reading	Factual, Inferential , Evaluative and Extrapolative	
	Comprehension	
Vocabulary	with offer and opposites	
Grammar	s + is/ are + adjective	
Writing	First Person narration	
Speaking	Describing object and group discussion	
Listening	Listening for overall information	
	Worksheet 2- King Canute	Page
14		

### Lesson – 3 – Tess Buys a Miracle

Reading	Factual, Inferential , Evaluative and Extrapolative	
	Comprehension	
Vocabulary	Adjectival phrases	
Grammar	Use of some , any , no	
Writing	Writing a diary entry	
Speaking	Identifying differences between pictures	
Listening	Listening for specific details	
	Worksheet : 3 – The Rupee Tree – Page 19	

<b>GRAMMAR</b>	1. The Noun- Possessive Case	Pages 61 to 63
	2. The Adjective	Pages 25 to 28
	(Degrees of comparison)	

## **AUGUST**

<b>LITERATURE</b>	Lesson – 4 Stunts and Make-up
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Reading Factual , Inferential and Extrapolative  
Comprehensive  
Vocabulary Collocation of adjectives with names and  
gender forms  
Grammar Can to express ability  
Writing Expanding an idea by providing examples  
Speaking Seeking information and group discussions  
Listening Listening for specific information  
Worksheet : 4 By Heart – Page – 27

Lesson : 5 – Who Did Patrick 's Home-  
Work  
Reading Factual and Inferential Comprehension  
Vocabulary Matching words with their meanings  
Grammar Comparative and Superlative degrees  
Writing Describing an experience / making writing  
interesting  
Speaking Seeking and giving information and group  
discussion  
Listening Listening for overall information  
Worksheet : 15 – Billy Bear 's Stumpy Tail  
Page – 37

**GRAMMAR** 1. The Verb Pages 21 - 24  
2. The Adverb Pages 29 - 35

## **SEPTEMBER**

**LITERATURE** Poem – Freddie [ Learn by heart]

## **FIRST TERM EXAMINATION**

## **SEPT/OCT**

**LITERATURE**

Poem : Tree Blessing  
Lesson : 6 – A Mother’s Love

Reading  
Extrapolative

Factual , Inferential , Evaluative and

Comprehension

Vocabulary

Uncountable nouns and homophones

Grammar

Or in negative sentences and punctuation

Writing

Describing a person

Speaking

Group discussion

Listening

Listening for specific details

Worksheet : 6 – A Brave Son - Page 44

**GRAMMAR**

51 to 56

1. Number [ Singular & Plural]      Pages

2. The Preposition                      Pages 39to 44

**NOVEMBER****LITERATURE**

Lesson – 7 – The Abraham Prize

Reading  
Extrapolative

Factual, Inferential, Evaluative and

Comprehension

Vocabulary

One of / two of /many of , etc.

Grammar

Let me + verb – to make offers / Let’s +

verb to make

suggestions

Writing  
comparisons

Describing a person , an incident / using

Speaking

Using let me ( role- play) / group discussions

Listening

Listening for specific words

Worksheet – 7 – The Hodja and the  
Poisoned Baklava  
Page - 51

Poem : I Had a Dove

**GRAMMAR**  
Pages 72 - 74

Tense

Pages 75 - 79

1. Tense
2. The Present and The Past Continuous
3. Forms of Verbs -

**DECEMBER**

**LITERATURE**

Lesson – 8 – Shooting

Reading

Vocabulary

Grammar

Writing

Speaking

Listening

Factual , Inferential, Evaluative and  
Extrapolative Comprehension

Collocation

Simple past / There is / are .....

Describing a person .... Completing a story

Group discussion/ Telling a chain story

Listening for details

Worksheet 8– Mrs. Daroowala – Page 57

Lesson : 9 – Bachendri Pal

Reading

Vocabulary

Grammar

Writing

Factual , Inferential, Evaluative and  
Extrapolative Comprehension

Suffix : - Less / Word web

Simple present for habitual action / ...as ...

Describing one's mother / father

Speaking information	Practising phrases / Asking for and giving	
Listening	Listening for specific details	
69	Worksheet : 9 – Brave Arti	Page -

<b>GRAMMAR</b>	1. Agreement of Verb with Subject	Pages
80 to 81		
29 to 35	2.The Pronoun	Pages
36 to 38	3.The Relative Pronouns	Pages

**JANUARY**

<b>LITERATURE</b>	Poem : Another Chance	
	Lesson 10 – ‘ I Don’t Want To!’	

Reading Comprehension	Factual, Inferential and Evaluative	
Vocabulary	Want Expressions	
Grammar	Will to Talk about the future	
Writing	Writing a set of rules / Making a poster	
Speaking	Planning for a future event ( role play) /	
Group discussions		
Listening	Listening for specific words	
	Worksheet 10 - Please	Page 75

<b>GRAMMAR</b>	1. Gender	Pages 57 to
60		
71	2. The Article	Pages 69 to

## **FEBRUARY**

**LITERATURE** Lesson - 11 – The Refugees

Reading Factual , Inferential , Evaluative and  
Extrapolative  
Comprehension

Vocabulary Word search  
Grammar Revision of grammatical items  
Writing Writing a play review  
Speaking Planning a future event / Group discussion  
Listening Listening for specific words  
Worksheet : 11 – Cygnus

## **GRAMMAR**

Formal Letter Writing

**March** Final Examination

## **MATHEMATICS**

### **CLASS IV**

**April & May**

### **NUMBERS AND NUMERATION**

- read and write numerals up to 10,00,000
- write number names for the given numerals up to 10,00,000
- write numerals corresponding to the number names up to 10,00,000
- arrange the digits of a given numeral in a place value chart

- read and write the period, place and place value for the given number
- write the given number in expanded form and vice versa
- Compares and arranges the given numbers in ascending and descending order.
- Forms the smallest and the greatest number from the given digits
- Write the successor and predecessor of the given number

### **ADDITION**

- find the sum of two or three numbers by arranging the digits of the numerals in the column of lakhs,ten thousands, thousands ,hundreds ,tens and ones
- explain the simple properties of addition(with example)
- solve simple problems related to situations arising in day to day life involving addition of numbers

### **SUBTRACTION**

- subtract a number from greater number not beyond 10,00,000(with or without borrowing)
- explain simple properties of subtraction (with examples)
- solve word problems involving subtraction of numbers

### **June/July**

### **MULTIPLICATION**

- explain the properties of multiplication
- recognize the terms-multiplicand, multiplier, product in the multiplication sum
- find the product of two numbers by suitable arrangement

- multiply a number(up to 4 digit numbers) by 2 or 3 digit number
- multiply the given number by 100,200-----90,000
- solve simple word problems involving multiplication of numbers

### **DIVISION**

- explain the properties of division
- divide a number having 3 or 4 digits by 1 or 2 digit numbers with or without remainder.
- Find the quotient and remainder when a number is divided by 10,100,1000
- Solve word problems involving division of numbers

### **August**

### **UNITARY METHOD**

- Solve everyday problems involving calculations of the value of the desired number of objects or quantity when the value of some objects or quantity is given using unitary method.

### **MULTIPLES AND FACTORS**

- recognize and determine the multiple and factors of a number
- find common multiples of a given number
- finds all the factors of a number and some of its multiples
- recognize even and odd numbers
- test of divisibility of a number by 2,3,4,5,9,10
- recognize prime and composite numbers
- short division method
- Recognize twin prime numbers

- Find the prime factorization of a given number by factor tree method
- Find the prime factorization of a given number by division method
- Recognize co-prime numbers
- Find the L.C.M. of 2 or more number
- Rules of L.C.M.

**September**                      **MULTIPLES AND FACTORS**      *to be continued*

REVISION FOR FIRST TERM

**October**

**FRACTIONAL NUMBERS**

- write 2 or more fractions equivalent to the given fractional number
- reduce a given fraction to its lowest term
- distinguish between like and unlike ,proper and improper fraction
- recognize mixed numerals
- identify unit fraction
- convert the given fraction into mixed numeral and vice versa
- compares and arranges the given fraction in ascending and descending order

**November**

**ADDITION OF FRACTIONAL NUMBERS**

- Add 2 or more like fractional numbers

- Add 2 or more unlike fractional numbers by finding their L.C.M.
- Add 2 fractional numbers when expressed as mixed numeral
- Solve word problems.

### **SUBTRACTION OF FRACTIONAL NUMBERS**

- subtract a smaller fractional number from greater fractional number
- subtract a smaller fractional number from greater fractional number by finding L.C.M. of denominators
- subtraction of fractional numbers involving mixed numerals
- solve word problems

### **December**

#### **TIME**

- read the time in hours , minutes and seconds
- Write time using a.m., p.m.
- read and write the time according to 24 hours clock time
- read and write the time according to 12 hours clock time
- convert days into hours
- convert hours into minutes
- convert minutes into seconds
- addition of days and hours
- addition of hours and minutes, minutes and seconds
- subtraction of days and hours, hours and minutes, minutes and seconds
- find the time before and after few hours from the given time

## **LINE SEGMENTS**

- Differentiate between line and line segment.
- Measure the given segment by using a scale and draw a line segment of given measure.

Write the names and numbers of line segments of given figure

## **January**

### **DECIMALS**

- read and write decimal numbers
- prepare a place value chart and enter the digits of the given decimal in the chart
- write the number name of a given decimal and vice versa
- to convert decimal into fractional number and vice versa
- express a decimal in expanded form and vice versa
- identify like, unlike and equivalent decimals
- compare and arrange decimals in ascending and descending order

## **February**

### **PERIMETER**

- meaning of perimeter
- find the perimeter of closed figure
- find the perimeter of square, rectangle and triangle
- solve word problems

REVISION FOR FINAL TERM

**GENERAL SCIENCE  
CLASS IV**

## Concepts

## Skills

### April

Lesson 1 Food our basic need groups, roughage

Food groups carbohydrates,

Roughage and water and minerals

Junk food healthy and

Balanced diet

Preservation of food roughage

Need for exercise for exercise

preservation of food.

Defines- nutrients, food

Draws food containing

fats, proteins, vitamins

Lists the difference between

junk food.

Explains the importance of water, in our diet and the need

Makes chart on

Lesson 2 Our food

– Teeth and Digestion

Kinds of teeth tooth, digestive

Parts of teeth microbes.

Care of teeth the teeth.

The digestive system digestion.

Microbes

caused by different

Observes – sets of teeth, kinds of teeth .

Draws- The parts of system . different

Lists the way to protect

Explains the process of

Name the diseases

Microbes.

### May

Lesson 4 Clothes- Our Protectors clothes.

Reasons the need for

Need for clothes  
Types of clothes  
and synthetic fabrics.

Care of clothes  
dresses.  
  
care of clothes.

Lists the types of clothes.  
Differentiates natural

Names the National

Explains about taking

## July

Lesson 7 The green plants

Leaf  
leaves.

How do leaves make food?

Interdependence of plants and  
leaf.

Animals.  
interdependence of plants and

Draws different types of

Labels the parts of a leaf.

Lists the functions of

Explains the

animals.

Lesson 8

Adaptation- How plants survive

Terrestrial plants  
different terrains.

Aquatic plants  
types of aquatic

Insectivorous plants

Non green plants  
insectivorous plants

Useful plants

plants.

Draws plants found in

Differentiate between the

plants.

Names / defines –

Saprophytic plants

Explains the uses of

## August

Lesson 9 Animals and their young ones Draws parts of an egg, life cycle of a frog,

Egg laying animals

life cycle of a butterfly.

Animals that give birth to babies Explains the life cycle of egg laying animals

Lists the features of animals that give birth to babies.

Defines – Reproduction, Metamorphosis, moulting.

Lesson 10 Adaptation- How animals survive

Types of animals hibernation, migration

Defines – adaptation,

Where animals live carnivores and omnivores

Draws herbivores,

What they eat adaptation.

Lists the ways of

Adaptation for protection about animals

Explains and discusses

Animals in danger animals).

in danger (endangered

## REVISION FOR FIRST TERM

### September & October

Lesson 3 Safety and First Aid

Safety at Home to be followed

Lists the safety measures

Safety outside the house bathroom.

in the kitchen and

First Aid  
outside the house.  
  
sterilization  
  
aid tips for cuts and  
  
bites.

Describes about safety  
  
Defines – first aid,  
  
Explains about the first  
  
wounds, burns, insect

## **November**

Lesson 5 Solids, liquids and gases

States of Matter  
of Matter  
Changes of States  
Solute, Solvent and Solution  
arrangement of molecules  
  
of matter in water  
  
evaporation, condensation,

Defines- Matter, States  
  
solvent, solution, solute.  
Explains the  
  
in solids, liquids, gases.  
Draws changing of state  
  
Differentiates between  
  
melting and freezing.

Lesson 6

Soil  
Types of Soil  
crop rotation,  
Soil Erosion  
Protecting the soil  
  
protecting the soil.

Defines soil, soil erosion,  
  
Soil conservation.  
Lists the types of Soil  
Explains the ways of

## **December**

Lesson 11

Force, Work and Energy  
Types of Forces  
machines  
Work and Machines  
friction, machine,  
Energy and its sources  
and their utilities.

Observes simple  
Defines –Force, Gravity,  
energy.  
Names simple machines  
Explains about the  
different sources of  
Energy.  
Draw simple machines.

## Lesson 12

### Air, Water and Weather

The Sun's role  
in causing weather  
More about air and water  
Purification of water  
rotation, humidity  
Uses of water  
Water cycle  
sea breeze  
weather  
condensation.  
purifying water.  
of handling water

Describes the role of Sun  
change.  
Defines- revolution,  
atmosphere.  
Explains about land and  
Role of water in causing  
change – evaporation,  
Lists the ways of  
Describes about the ways  
and uses of water.

## January

### Lesson 13

## The Solar System

Solar system  
revolution around  
Stars and the moon  
Rotation and revolution  
describes their  
planets and stars.  
Rotation, Revolution ,  
Axis.

Draw solar system,  
the Sun.  
Names the planets and  
characteristics.  
Differentiate between  
Defines- Moon,  
Satellite, Equator and

## February

Lesson 14  
Keeping our Earth green

Trees are important  
afforestation,  
How to save our trees  
of trees.

trees

Mahotsav ,World

Chipko Movement

Defines – deforestation,  
Explains the importance  
Lists the ways of saving  
Discusses about Van  
Environment Day.

## SOCIAL STUDIES CLASS IV

Concept

Skill

<b>April / May</b> recognizing	I. India – Land and rivers States and Union Territories	Differentiating the terms, locating states and union map.
each mountain	II. The Northern Mountains The Himadri, The Himachal The Shiwalik The importance of Himalaya	Identifying the importance of region. Distinguishing between each
climate of	III. Life in the Northern Mountains – Introduction Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, West Bengal- Darjeeling, The Northern Eastern states  MAP: 1. Physical features of India. 2. Water bodies. 3. Islands	Discussing and explaining the different states of India
<b>May</b> different forms of Indian painting	Our Culture and Heritage Our languages, our clothes, our dance and music, painting, architecture, our festivals of  integrity while	Differentiating the dance and music. Tracing the origin of  Analyzing different forms architecture Expressing the value of

		celebrating festivals.
<b>July</b>	IV. The Northern Plains reviewing Introduction, The Satluj Basin, The Ganga Basin, The Brahmaputra Basin Northern Plains Towns and populations, Pollution of river waters	Discussing various Basins  the towns of Northern Plains.  reviewing the towns of
state of	V. Life in the Northern Plains	Discussing and explaining each
and	Punjab, Haryana, Delhi, Uttar Pradesh, Bihar, Assam,  Jharkhand, West Bengal	Northern Plains. Capital of each state, speciality  features of each state.
of soil,	XIII. Soils of India	Differentiating different types
suggesting ways	Alluvial , Black, Red, Late rite, Desert, Mountain Soil erosion	Explaining the concept  to stop soil erosion.
<b>August</b>	VI. The western Desert	Explaining the concept
discussing the	Introduction, climate vegetation, population	climate, vegetation, population
clothes.	VII. Life in the desert Rajasthan- The Thar desert	Surveying the life of Rajasthan. Examining the details food ,
state		Explaining the tourism of the
	XXI. People who made	Recalling the religions leaders

reformers, kings,	a difference- Religions and Religions leaders, Social Reformers, Kings, Scientists	Appreciating social scientists. Knowing more about them and discussing their role.
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**REVISION FOR FIRST TERM**

**September**

Plateau.	The Southern Plateau	Discussing Highland and
Plateau	The Central Highlands The Deccan Plateau	Explanation of Southern
state of	IX Life in the Southern Plateau- Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu,	Discussing and explaining each Southern Plateau. Capital of each state Appreciating the features of
each state	Madhya Pradesh, Chattisgarh	

**October**

of	XIX. Sending Messages Postal System, Telephone System, Mass Media	Tracing the earlier means of communication. Classifying the modern means communication Analyzing the advantages of Communication
mass		
Indian	XXII. Our Rights and Duties Our Fundamental Rights	Reviewing the national goals of Republic.

rights and Principles.	Our Duties Directive Principles	Interpreting the fundamental duties. Recalling the duties. Examining the Directive
<b>November</b>  explanation	The Coastal Plains and Islands The Western and Eastern Coastal Plain. The Islands  Andaman and Nicobar Islands Lakshadweep Islands	Explaining each coastal Plain features Reviewing islands. Categorizing and
state	XI. Life in the western Coastal	Discussing and explaining each of Western Coastal Plain. Features of each state.
state of food,	XII. Life in the eastern  coastal Plain- Orissa, Andhra,  Pradesh, Tamil Nadu, Andaman and Nicobar Islands, Pondicherry. Map pages- 48 and 52	Discussing and explaining each Eastern Coastal Plains, features people, language etc.
<b>December</b>		

main appreciating the role	XVII. Our Agriculture and Industries – Agriculture Industry	Discussing agriculture as occupation of country the role of farmers . Discussing of industries in our country Classification of Industries
transport of different	XVIII. Means of Transport- Roads, Railways, Airways Waterways	Classifying the means of Analyzing the advantages types of transport. Examining the contribution of transport to the economy.
<b>January</b>	XXIII. Our Government govt. The Central Govt. reviewing The State govt. The Courts	Recognizing the working of the Appreciating the govt. bodies the functioning of govt. bodies.
forests forests suggesting	XIV. Forests of India Conservation of Forests and Wildlife	Appreciating the importance of identifying the features of ways to conserve the forests
comparing	XV Our water wealth Providing water	recalling the sources of water different projects
<b>February</b>	XVI Our mineral wealth	

and	Minerals and Mining metals and non-metals  Metals Non-metals Conservation of our Mineral wealth  XXIV. Our National Symbol Our National Flag Our National emblem Our National anthem	explaining minerals and mining differentiating between metals  non-metals  recalling the importance of National symbols recording the values about the National symbols.
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REVISION FOR FINAL TERM

## COMPUTER SCIENCE

**CLASS IV**  
**APRIL/MAY**

### DRAWING WITH LOGO

#### CONCEPTS

1. Introduction to LOGO  
concepts learnt

2. LOGO primitives  
form of LOGO commands  
  
function of LOGO command  
  
use various LOGO

between the various

#### SKILLS

Recall the

Write full

State the

Describe and

Commands.

Differentiate

Logo

commands.

## **JULY HISTORY OF COMPUTERS**

1. History of computers  
and describing different

led to the present form

inventors of different

Naming

machines that

of computers.

Naming the

machines.

## **AUGUST PEN CONTROL COMMANDS**

1. Pen up command  
the use of Pen up

2. Pen down command  
the use of Pen down

3. Pen Modes  
different pen modes.

figures using Pen Control

Understand

command.

Understand

command.

Use the

Drawing

commands.

**NOTEPAD (practical)**

**REVISION FOR FIRST TERM**

**SEPT/OCT TYPES OF COMPUTERS  
(GENERATIONS omitted)**

1. Types of computers  
types of computer  
the types of computer  
of each type of computer

Naming  
Describing  
Listing uses

## **NOVEMBER USING CALCULATOR IN WINDOWS**

1.Introduction to Windows  
and closing the  
Calculator  
window

2. Usage of keypad  
recognizing the different  
calculator.  
simple calculations  
keypad.

Starting  
calculator  
Naming and  
keys on the  
Performing  
using the

## **DECEMBER WINDOWS 98**

1. Windows- An Operating  
operating system with examples  
System.

2. Components of the window  
recognize the various  
of Windows.

3. Parts of a window  
parts of a window.

Define  
List and  
components  
Identify the

function of each part.  
icon according to the usage.

Explain the  
Select the

**JANUARY INTERNET**

Internet

1. Internet

Define

2. Uses of the Internet

List the  
different uses  
of internet.

the different terms  
Internet

3. Terms related to Internet

Explain the  
different uses  
of Internet

Understand  
related to

Mail

4. E – Mail

Define E –  
Examine the

advantages of using E-Mail

**FEBRUARY PRINTING MESSAGES IN LOGO**

1.Print Command  
words and sentences

Printing

2.Print command with functions  
commands eg. PRINT  
PRINT LAST etc.

Using  
FIRST ,

## REVISION FOR FINAL TERM

### ART/ CRAFT

#### April / May

Fruit bowl  
Drawing and colouring of six little 'ducks  
family'

#### July

Children's figure  
Leaf Impression

#### August

Fun to learn – Vegetable printing  
Greeting cards  
Village scene

#### September

Landscape

#### October

Picnic spot

#### November

Diwali celebration  
Design- with geometrical and natural  
shapes

## **December**

Land scape – A day in Hills Station  
Joy of Christmas with snow man

## **January**

Scenery – drawing and colouring with  
birds and animals

## **February**

Art test

## **Craft**

## **April/ May**

Landscape - Pencil shaving or collage  
work  
Night beauty – ice cream spoon  
Birds

## **July**

Paper basket  
Napkin holder

## **August**

Thali decoration

Rakhi making

**September**

Paper flowers

**October**

Paper cutting patterns  
Book mark

**November**

Photo frame  
Wall hanging – Ganpati or Diya  
decoration

**December**

Make any related to Christmas ( any two  
items )

**January**

Paper pasting work – an aquarium

**February**

Craft test

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