



## Class 4

**Meeting Time:** MTWRF 8:30AM – 1:40PM

**Instructors:** Sunita Singh and Garima Chaudhary (English)

### Materials

The instructor will teach from the following books:

1. *Marigold Book Four – Textbook in English for Class IV*
2. *NCERT Textbook In Hindi For Class 4 Rimjhim-4*
3. *Composite Mathematics for Class 4*
4. *Science in Life Today*
5. *Look Around for Class 4*

**Students are to bring these items to class:** pencil, pencil sharpener, eraser, crayons, ruler, protractor, wax colors, colored pencils, drawing pad and these subject related notebooks: English 2-line notebook, Hindi 2-line notebook, Math 2-line notebook and Science interleaf notebook.

### Time Table

	9:00- 9:35	9:35- 10:05	10:05- 10:40	10:40- 11:15	11:15-11:50	11:50- 12:25	12:25- 1:05	1:10- 1:40
<b>M</b>	Math	Hindi	English	Computer	Teach Next	LUNCH	SUPW	Science
<b>T</b>	Math	Hindi	English	Computer	Teach Next	LUNCH	SUPW	Science
<b>W</b>	Math	Hindi	English	Computer	Teach Next	LUNCH	SUPW	Science
<b>R</b>	Math	Hindi	English	Computer	Teach Next	LUNCH	SUPW	Science
<b>F</b>	Math	Drawing	Library	Computer	Teach Next	LUNCH	SUPW	Science

### Code of Conduct

The rules below ensure that all students are fulfilling the purpose and objectives of this class.

1. Students must follow all instructions given by the instructor.
2. Students must be attentive.
3. Students must be disciplined.
4. Students must bring required materials to class.
5. Students but attend regularly and arrive in a clean uniform.

# Purpose and Objectives

## English

- To understand and appreciate a wide range of texts representing different cultures
- To use language and vocabulary appropriately in different contexts
- To be able to organize and structure thoughts in writing/speech
- To develop fluency and accuracy in speaking and writing in order to narrate simple experiences, describe objects and people, report events to peers
- To understand and enjoy jokes, skits, children's films, anecdotes and riddles
- To speak accurately with appropriate pauses and clear word/sentence stress to be intelligible in familiar social contexts
- To write simple messages, invitations, short paragraphs, letters, applications, simple narrative and descriptive pieces, etc.
- To use proficiency in English to explore and study other areas of knowledge through print and non-print media

## Hindi

- To understand and appreciate the various forms of Hindi literature available in the form of declarative and informational text
- To simultaneously assimilate such literature so as to trigger an emotional and intellectual response towards various topics
- To be able to relate different ideas and previously encountered examples to the topic being studied
- To expose the students to literary concepts other than those included in the book such as news report writing, parody, advertising, speeches, messages and slogans
- To enable the student to construct short sentences and utilize newly learnt words and phrases in those sentences
- To gain proficiency and fluency in spoken Hindi by enacting plays from the text.
- To take dictation of Random Words from the text as well as paragraphs

## Mathematics

### Numbers and Operations

- To write multiplication facts
- To write tables up to  $10 \times 10$
- To multiply two and three digit numbers using lattice algorithm and standard algorithm
- To divide a given number by another number in various ways
- To apply mathematical operations to life situations
- To frame word problems
- To estimate sums, differences and products of given numbers
- To develop mental arithmetic skills

### Fractional Numbers

- To identify, explain the meaning and write the symbols of fractions
- To appreciate equivalence of different fractional symbols
- To convert rupees to other currencies
- To add and subtract amounts using column addition and subtraction with regrouping

## Money

- To use operations to find totals, change, multiple costs and unit cost
- To estimate roughly the totals and total cost

## Measurement

- Length
  - To convert different units of measurements to other units of measurement
  - To solve problems involving lengths and distances
  - To estimate length of an object and distance between two given locations
- Weight
  - To understand units of weight and to estimate the weight of an object
- Volume
  - To understand units of volume and to estimate the volume of a liquid
- Time
  - To compute the number of weeks in a year
  - To correlate the number of days in a year with the number of days in each month
  - To justify the reason for the need of a leap year
  - To read clock time to the nearest hours and minutes
  - To express time, using the terms AM and PM
  - To estimate the duration of familiar events
  - To find the approximate time elapsed
  - To compute the number of days between two dates
  - To identify patterns in multiplication and division

## Geometry

- To identify geometrical patterns based on symmetry
- To identify the center, radius and diameter of a circle
- Explore intuitively the area and perimeter of simple shapes

## Environmental Studies / Science

- To locate and comprehend relationships between the natural, social and cultural environment
- To develop an understanding of physical, biological, social and cultural aspects of life
- To encourage children's curiosity about social phenomena
- To nurture the curiosity and creativity of the child in relation to the natural environment
- To develop an awareness about environmental issues
- To engage the child in hands-on activities to acquire basic cognitive and psychomotor skills
- To emphasize design and fabrication, estimation and measurement as a prelude to the development of technological and quantitative skills at later stages
- To be able to critically address gender concerns and issues of marginalization and oppression with values of equality and justice, and respect for human dignity and rights.

## Topics of Study

### English

This portion is broken up into 10 units, which explore a number of poems and stories through reading, recitation, writing, discussion and activity in order to develop the skills listed in the Purpose and Objectives section.

#### Unit 1

1. *Wake up!*
2. Neha's Alarm Clock

#### Unit 2

1. *Noses*
2. The Little Fir Tree

#### Unit 3

1. *Run!*
2. Nasruddin's Aim

#### Unit 4

1. *Why?*
2. Alice in Wonderland

#### Unit 5

1. *Don't be Afraid of the Dark*
2. Helen Keller

#### Unit 6

1. *The Donkey*
2. *I Had a Little Pony*
3. The Milkman's Cow

#### Unit 7

1. *Hiawatha*
2. The Scholar's Mother Tongue

#### Unit 8

1. *A Watering Rhyme*
2. The Giving Tree

#### Unit 9

1. *Books*
2. Going to Buy a Book

#### Unit 10

1. *The Naughty Boy*
2. Pinnochio

## **Hindi**

This portion is broken up into 14 chapters, which explore various stories and poems and one play through reading, recitation, writing, discussion and activity in order to develop the skills listed in the Purpose and Objectives section.

The 14 chapters are:

1. Mun ke Bhole Bhale Baadal
2. Jaisa Sawal Waisa Jawab
3. Kirmich ki gend
4. Lo Laake Mujhe De
5. Dost ki poshak
6. Nav Banao Nav Banao
7. Daan ka Hisaab
8. Kaun
9. Swatantrata Ki Aur
10. Thapp Roti Thapp Dal (Play)
11. Padhakku ki Soojh
12. Sunita ka Pahiya Kursi
13. Hud Hud
14. Muft hi Muft

## Mathematics

1. Numbers
  - a. Numerations
  - b. Roman numerals
2. Basic Arithmetic
  - a. Addition and Subtraction
  - b. Multiplication
    - i. Multiplication by repeated additions
    - ii. Lattice multiplication
    - iii. Column multiplication
    - iv. Applications of multiplication
  - c. Division
    - i. Division by repeated subtractions
    - ii. Long division
    - iii. Applications of division
  - d. Multiples and Factors
    - i. Factoring a number
    - ii. Identification of multiples
3. Mathematical Patterns
  - a. Addition patterns
  - b. Patterns in multiplication
  - c. Patterns in division
  - d. Geometrical patterns
4. Introduction to Fractions
  - a. Simple fractions
  - b. Mixed fractions
5. Measurement of Physical Quantities
  - a. Time
  - b. Money
  - c. Metric Measures
    - i. Length
    - ii. Weight
    - iii. Volume
6. Geometry
  - a. Simple 2D shapes
  - b. Simple 3D shapes
  - c. Symmetry
7. Mental Mathematics
  - a. Adds and subtracts multiples of 10 and 100
  - b. Completes multiplication facts by adding partial products mentally  
(Ex.  $7 \times 6 = 5 \times 6 + 2 \times 6$ )

## **Environmental Studies / Science**

1. Family and Friends
  - a. Relationships
  - b. Where babies come from
  - c. Extended family
2. Work
  - a. Different occupations
  - b. Acquiring the necessary skills
3. Plants
  - a. Social Science
    - i. Roots of Plants
    - ii. Flowers
    - iii. Trees
  - b. Science
    - i. The Green Plants: Producers of Food
    - ii. Plant Habitats
4. Animals
  - a. Social Science
    - i. Animal behavior
    - ii. Animal appearance
  - b. Science
    - i. Reproduction
    - ii. Adaptation
5. Food
  - a. Social Science
    - i. How we get our food
    - ii. Special occasions
  - b. Science
    - i. Food and digestion
    - ii. Teeth and microbes
6. Shelter
  - a. Houses then and now
  - b. Garbage
  - c. Mapping my neighborhood
7. Water
  - a. Social Science
    - i. Water fit for drinking
    - ii. Water sources
    - iii. Our river/sea
  - b. Science
    - i. Water in our environment
8. Travel
  - a. Modes of transportation
  - b. Using animals for transport
  - c. Travel to another place
9. Things We Make and Do
  - a. Building materials and tools
  - b. Clothing

## Grading

There will be two unit tests and one final comprehensive exam for each subject each semester. All unit tests are worth 25 marks and comprehensive exams are worth 100 marks (80 marks for written assessment and 20 marks for internal assessment).

English and Hindi unit tests and comprehensive exams are broken up into multiple choice questions, fill in the blank questions, matching, grammar correction, short answer questions and essays, assessing the students' mastery of literature comprehension, writing, grammar and vocabulary.

The Mathematics and Environmental Studies / Science unit tests and comprehensive exams are broken up into multiple choice questions, short answer questions (questions requiring a one sentence response) long answer questions (questions requiring a few sentences or points) and essay questions (questions requiring longer and more descriptive responses) assessing the students' mastery of the material covered in class.

## Grading Scale

<u>Letter Grade</u>	<u>Marks Range</u>	<u>Numeric Grade</u>
A1	91-100	10
A2	81-90	09
B1	71-80	08
B2	61-70	07
C1	51-60	06
C2	41-50	05
D	33-40	04
E1	21-32	03
E2	00-20	02

## Interim Reports

Interim reports will be completed for each student at the end of each month. The reports will include a summary of topics covered that month, a grade report for each student, and instructor comments about each individual's progress in the class. A copy of the report will be kept in the Prakash Deep official files, and students are welcome to take an additional copy home to their parents.