



Class 3

Meeting Time: MTWRF 8:30AM – 1:40PM

Instructors: Malti and Sudha Sharma (English)

Materials

The instructor will teach from the following books:

1. *Marigold Book Three – Textbook in English for Class 3*
2. *NCERT Textbook In Hindi For Class 3 Rimjhim-3*
3. *Grow With Composite Mathematics Part III*
4. *Look Around for Class 3*

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 3-line notebook, Mathematics 1-line notebook and Science interleaf notebook.

Time Table

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

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 not leave the class without permission
4. Students should not bring cell phones or other expensive items to class
5. Students must bring required materials to class
6. Students must attend regularly and arrive in a clean uniform
7. Students must not climb trees

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

Geometry

- To create shapes through paper folding, paper cutting
- To identify 2D shapes
- To describe various 2D shapes by counting their sides, corners and diagonals
- To make shapes on the dot-grid using straight lines and curves
- To match properties of two 2D shapes by observing their sides and corners (vertices)
- To tile a given region using a tile of a given shapes
- To distinguish between shapes that tile and that do not tile
- To have an intuitive idea of a map and to read simple maps
- To draw some 3D objects

Numbers (Sequences up to 1000)

- To read and write 3-digit numbers

- To expand a number to different place values
- To count in different ways (starting from any number, etc.)
- To compare numbers
- To form greatest and smallest numbers using given digits

Addition and Subtraction

- To add and subtract numbers by writing them vertically without regrouping and with regrouping
- To use place value in standard algorithm of addition and subtraction
- To solve addition and subtraction problems in different situations presented through pictures and stories
- To frame problems for addition and subtraction facts
- To estimate the sum of, and difference between two given numbers

Multiplication

- To explain the meaning of multiplication (as repeated addition)
- To identify the sign of multiplication
- To construct the multiplication tables of 2, 3, 4, 5 and 10
- To use multiplication facts in situations
- To multiply two digit numbers using standard algorithm and lattice multiplication algorithm

Division

- To explain the meaning of division from context of equal grouping and sharing
- To complete division facts by grouping and by using multiplication tables

Mental Arithmetic

- To add and subtract single digit numbers and two digit numbers mentally
- To double two digit number mentally (result not exceeding two digits)

Money

- To convert Rupee to Paise using play money
- To add and subtract amounts using column addition and subtraction without regrouping
- To make rate charts and bills

Measurement

- Length
 - To appreciate the need for a standard unit
 - To measure lengths using appropriate standard unit of length by choosing between centimeters and meters
 - To estimate the length of given objects in standard units and to verify by measuring
 - To use a ruler
 - To relate centimeter and meter
- Weight
 - To weigh objects using non-standard units
 - To appreciate the conservation of weight

- Volume
 - To measure and compare the capacity of different containers in terms of non-standard units
 - To appreciate the conservation of volume
- Time
 - To read a calendar to find a particular day and date
 - To read the time correct to the hour
 - To sequence event chronologically

Data Handling

- To record data using tally marks
- To collect data and represent it in terms of appropriate scale and unit for display through pictographs
- To draw conclusions from the data by discussing with the teacher

Patterns

- To identify simple symmetrical shapes and patterns
- To make patterns and designs from straight lines and other geometrical shapes
- To identify patterns in the numerals for odd and even numbers and in adding odd and even numbers
- To partition a number in different ways
- To identify patterns in the surroundings
- To identify patterns in multiplication with, and dividing by, 10s

Environmental Studies

- 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. *Good Morning*
2. The Magic Garden

Unit 2

1. *Bird Talk*
2. Nina and the Baby Spar

Unit 3

1. *Little by Little*
2. The Enormous Turnip

Unit 4

1. *Sea Song*
2. A Little Fish Story

Unit 5

1. *Balloon Man*
2. The Yellow Butterfly

Unit 6

1. *Trains*
2. The Story of the Road

Unit 7

1. *Puppy & I*
2. Little Tiger, Big Tiger

Unit 8

1. *What's in the mailbox?*
2. My Silly Sister

Unit 9

1. *Don't Tell*
2. He is My Brother

Unit 10

1. *How Creatures Move*
2. The Ship of the Desert

Hindi

This portion is broken up into 18 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 18 chapters are:

1. Rakh ki Rassi
2. Faslon ke Thyohar
3. Khilone Wala
4. Nanha Fankar
5. Jahan Chaha Wahan Raha
6. Chithi ka Safar
7. Dakiye ki Kahani Kanwar Singh ki Jubani
8. Wy Din Bhi Kya Din Thy
9. Ek Ma Ki Babasi
10. Ek Din Ki Badshahat
11. Chawal ki Rotiyan
12. Guru aur Chela
13. Swami ki Dadi
14. Bagh Aaya uss Raat
15. Bishan ki Dileri
16. Pani Re Pani
17. Choti si Hamari Nadi
18. Chunauti Himalaya Ki

Mathematics

1. Revision
2. Numbers
 - a. 4-Digit Numbers
 - b. Expanded and Short Forms
 - c. Place, Place Value and Face Value
 - d. Mental Math
3. Working with Numbers
 - a. Successor – Predecessor
 - b. Comparison of Numbers
 - c. Ordering Numbers
 - d. Forming Smallest and Biggest Numbers
 - e. Odd and Even Numbers
 - f. Mental Math
4. Roman Numerals
5. Addition of Numbers
 - a. Forward Counting
 - b. Adding 10 or Multiples of 10 by Counting Forward
 - c. Adding 10 or More by Counting Forward Using Grid

- d. Addition by Counting in 10s
 - e. Adding 10, 100, 1000 and Their Multiples Mentally
 - f. Adding 3- and 4-Digit Numbers (without Carrying Over)
 - g. Adding 3- and 4-Digit Numbers (with Carrying Over)
 - h. Properties of Addition
 - i. Word Problems
 - j. Mental Math
6. Subtraction of Numbers
- a. Subtraction Facts
 - b. Properties of Subtraction
 - c. Subtracting 3- and 4-Digit Numbers without Borrowing
 - d. Regrouping
 - e. Subtraction With Borrowing
 - f. Checking the Answer by Addition
 - g. Word Problems
 - h. Day-to-Day Additions and Subtractions
 - i. Addition and Subtraction to Find the Missing Number
 - j. Addition and Subtraction Together
 - k. Mixed Word Problems on Addition and Subtraction
 - l. Mental Math
7. Multiplication
- a. Multiplication as Repeated Addition
 - b. Skip Counting as Multiplication Table
 - c. Multiplication Grid
 - d. Properties of Multiplication
 - e. Simple Multiplication of 2- or 3-Digit Number by 1-Digit Number
 - f. Multiplication of 2- or 3-Digit Number by 1-Digit Number With Carrying Over
 - g. Multiplication by 10, 100...
 - h. Multiplication by a 2-Digit Number
 - i. Word Problems
 - j. Mental Math
8. Division
- a. Dividend, Divisor, Quotient and Remainder
 - b. Division and Multiplication Facts
 - c. Finding the Dividend or Divisor Using Division Facts
 - d. Properties of Division
 - e. Long Division Method
 - f. Checking Division
 - g. Division with Regrouping
 - h. Division by 10
 - i. Simple Division with "Zero" in the Dividend and Quotient
 - j. Word Problems
 - k. Mental Math
9. Fractions
- a. Equal and Unequal Parts
 - b. A Half
 - c. One Third, One Fourth, One Fifth, One Sixth...
 - d. More Fractions
 - e. The Fraction Symbol

- f. Number Names
- g. Types of Fractions
- h. Word Problems
- i. Mental Math

10. Geometry

- a. A Line Segment
- b. A Line
- c. Parallel Lines
- d. A Ray
- e. Straight and Curved Lines
- f. Point of Intersection
- g. Open and Closed Figures
- h. Drawing a Line Segment
- i. Measuring a Line Segment
- j. Planes Shapes
 - 1) Triangle
 - 2) Square
 - 3) Rectangle
 - 4) Circle
- k. Solid Shapes
 - 1) Cube
 - 2) Cuboid
 - 3) Cone
 - 4) Cylinder
 - 5) Sphere
- l. Mental Math

11. Money

- a. Currency
- b. Writing Money
- c. Conversion
- d. Addition and Subtraction of Money
- e. Mental Math

12. Our Clock

- a. Reading Time
- b. Half Past (30 Minutes)
- c. A Quarter Past
- d. A Quarter To
- e. Minutes in the Clock
- f. Time by the Minutes
- g. Past the Hour
- h. To the Hour
- i. A.M. and P.M.
- j. Word Problems
- k. Mental Math
- l. Calendar
- m. A Leap Year

13. Measurement of Length

- a. Units of Length
- b. Conversion of Units
- c. Conversion of Combined Units to Lower Units
- d. Addition and Subtraction

14. Measurement of Weight
 - a. Units of Weight
 - b. Conversion of Units
 - c. Conversion of Mixed Units to Smaller Units
 - d. Addition and Subtraction of Weights
 - e. Word Problems
15. Measurement of Volume
 - a. Conversion of Units
 - b. Addition and Subtraction
 - c. Word Problems
 - d. Mental Math
16. Pictorial Representation of Data
 - a. Reading a Pictograph

Environmental Studies / Science

1. Family and Friends
 - a. My family
 - b. My family and me
 - c. Whom do I look like?
 - d. Old and physically challenged
2. Plants
 - a. Plants around us
 - b. Leaves in our lives
3. Animals
 - a. Animals: small and big
 - b. Some creepy crawlies – and flyers too
4. Birds
5. Work and Play
 - a. Work around me
 - b. Working children
 - c. Games we play
6. Food
 - a. Foods from plants and animals
 - b. Cooking
 - c. Eating in the family
 - d. What animals eat
7. Shelter
 - a. Houses and houses
 - b. Decorating and cleaning our shelter
 - c. My family and other animals
 - d. Mapping my neighborhood
8. Water
 - a. Water for my family
 - b. Do animals and plants need water?
 - c. Water shortage
 - d. Water in our lives
 - e. Storing water
9. Travel
 - a. Going places
 - b. Ways to travel

- c. Talking without speaking
 - d. Mailing a letter
10. Things We Make and Do
- a. Pottery
 - b. Textiles

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.