



Class 5

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 Five – Textbook in English for Class V*
2. *NCERT Textbook In Hindi For Class 5 Rimjhim-5*
3. *Grow with Composite Mathematics for Class 5*
4. *Science in Life Today Class 5*
5. *My Big Book of Social Studies Class 5*

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

| | 9:00-9:40 | 9:40-10:20 | 10:20-11:00 | 11:00-11:30 | 11:30-12:10 | 12:10-12:50 | 12:50:1:30 |
|----------|-----------|---------------|-------------|-------------|-------------|-------------|------------|
| M | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |
| T | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |
| W | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |
| T | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |
| F | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |
| S | English | Computer/SUPW | Teach Next | Lunch | Math | Sst. | Hindi |

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 must 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 multiply two and three digit numbers
- To divide a given number by another number in various ways
- To apply mathematical operations to life situations
- To apply divisibility tests
- To find HCF and LCM of numbers
- To develop mental arithmetic skills

Fractional Numbers

- To identify, explain the meaning and write the Types of fractions
- To appreciate equivalence of different fractional symbols
- To reduce a fraction to the lowest term, improper fraction and cancelling common factors
- To add and subtract unlike fractions
- To multiply and divide fractions

Money

- To convert paisa into Rupees and vice-versa
- Addition, Subtraction, Multiplication and Division of money
- To find profit and Loss

Measurement

- Length
 - To convert different units of measurements to other units of measurement
 - To add, subtract, multiply and divide metric measures
- Volume
 - To understand units of volume and to estimate the volume of a cube
- Time
 - To convert hours into minutes
 - To add and subtract time
 - To understand 24 hour clock
 - To read clock time to the nearest hours and minutes
 - To find the time

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
- To draw and classify Triangles
- To draw and classify Lines and Angles

Social 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 psycho motor skills
- To emphasize design and fabrication, estimation and measurement as a prelude to the development of technological and quantitative skills at later stages

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. *Ice-cream Man*
2. Wonderful Waste!

Unit 2

1. *Teamwork*
2. Flying Together

Unit 3

1. *My Shadow*
2. Robinson Crusoe
3. Discovers a footprint

Unit 4

1. *Crying*
2. My Elder Brother

Unit 5

1. *The Lazy Frog*
2. Rip Van Winkle

Unit 6

1. *Class Discussion*
2. The Talkative Barber

Unit 7

1. *Topsy-turvy Land*
2. Gulliver's Travels

Unit 8

1. *Nobody's Friend*
2. The Little Bully

Unit 9

1. *Sing a song of People*
2. Around the World

Unit 10

1. *Malu Bhalu*
2. Who will be Ningthou?

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 Tyohar
3. Khilonewala
4. Nanha Fankar
5. Jahan Chaah Wahan Raah
6. Chitthi ka Safar
7. Dakiye ki Kahaani, Kanwar Singh ki Jubaani
8. Weh Din bhi kya Din the
9. Ek Maa ki Bebasai
10. Ek Din ki Baadshahat
11. Chawal ki Rotiya(Play)
12. Guru Aur Chela
13. Swami ki Dadi
14. Bagh Aaya Us Raat
15. Bishan ki Dileri
16. Paani Re Paani
17. Choti-Si Hamari Nadi
18. Chunauti Himalay ki

Mathematics

1. Large Numbers

- a. Indian System of Numeration
- b. International System of numeration

2. Addition and Subtraction

- a. Addition of 7 and 8 digit Numbers
- b. Subtraction of larger numbers.

3. Multiplication and Division

- a. Multiplication of 3 digits by 2 digit numbers
- b. Division by a 2 digit numbers

4. Simplification

- a. Simplify by BODMAS rule.
- b. Types of brackets.

5. Multiples and Factors

- a. Finding Prime numbers from 1 to 100.
- b. Prime Factorization
- c. HCF and LCM

6. Fractions

- a. Types of Fractions
- b. Reducing a Fraction to lowest terms.
- c. Addition and Subtraction of Unlike Fractions
- d. Multiplication and Division of Fractions
- e. Reciprocals

7. Decimal Numbers

- a. Writing Decimal numbers
- b. Addition and Subtraction of Decimal numbers
- c. Multiplication and Division of Decimal numbers

8. Lines and Angles

- a. Parallel, Intersecting and Perpendicular lines
- b. Naming and Measuring Angle
- c. Classification of Angle

9. Triangles

- a. Polygons and Triangles
- b. Classification of Triangles

10. Circles

- a. Construction of a circle of given radius
- b. Diameter, Circumference, Arc and Semi-Circle

11. Metric Measures

- a. Addition and Subtraction of Metric Measures
- b. Multiplication and Division

12. Average

13. Percentage

- a. Converting Fraction, Whole number, Decimal into Percent
- b. Converting a Percentage into a number
- c. Pattern in Percentages

14. Time

- a. Conversion
- b. Addition and Subtraction of Time

15. Money

- a. Conversion
- b. Addition and Subtraction of Money
- c. Multiplication and Division of Money
- d. Profit and Loss

16. Patterns

17. Perimeter, Area and Volume

- a. Perimeter of Triangle, Rectangle and Square
- b. Area of a Rectangle, Square
- c. Volume

18. Pictorial Representation of Data

- a. Data Collection, Recording and Representation
- b. Bar Graph

Social Studies

1. Know your Planet

- a. Shape of the Earth
- b. Maps and Types of Maps
- c. Reading Maps

2. Parallels and Meridians

- a. Features, Numbering and Important Parallels
- b. Meridians:-Features, Numbering and Locating Places on Globe

3. Movements of the Earth

- a. Rotation
- b. Revolution

4. Major Landforms

- a. Mountains
- b. Plateaus
- c. Plains

5. Weather and Climate

- a. Factors influencing Climate
- b. Heat Zones

6. The land of Dense Forests

- a. The Democratic Republic of the Congo(DRC)
- b. Location, Vegetation, Life of the People, Economic resources and Transport of DRC

7.The Land of Snow

- a. Green Land
- b. Location, Land, Climate, Vegetation, Wildlife, Life of the people, Occupation, Cities

8. The Land of Sand

- a. Saudi Arabia
- b. Location, Land, Climate, Vegetation, Economic Activities, Life, Bedouins, Cities

9. The Treeless Grasslands

- a. The Prairies
- b. Location, Land, Climate, Vegetation, Wildlife, Economic Activities and Life.

10.Environmental Pollution

- a. Air Pollution
- b. Water Pollution
- c. Noise Pollution
- d. Land or Soil Pollution

11. E for Environment

- a. Types of waste
- b. Waste Management

12. Natural Disasters

- a. Floods
- b. Droughts
- c. Earthquakes
- d. Cyclones

13. We are proud of them

- a. Scientists
- b. Social Reformers
- c. Statesman
- d. Sports persons

14. The World from 1914 to 1945

- a. The First World War
- b. The Second World War

15. Towards Freedom

- a. Discontent among Indians
- b. Revolt against British
- c. Rise of Nationalism

16. India Wins Freedom

- a. Partition of Bengal
- b. Swadeshi and Boycott movement.
- c. The Revolutionaries
- d. Jallianwala Bagh Massacre
- e. Simon Commission, Quit India, Non-Cooperation
- f. Indian National Army, Civil Disobedience Movements.

17. Transport and Communication

- a. Railways, Roadways, Waterways, Airways
- b. Postal Service, Telephone, Intercom, Fax, Internet

18. Governing Ourselves

- a. Central Government
- b. State Government
- c. Judiciary

19. The United Nations

- a. Formation of the UN and Objectives
- b. Organs of UN
- c. Agencies of UN and Achievements of the UN

Science

1. Growing Plants

- a. New Plants from seeds
 - i. Parts
 - ii. Germination
 - iii. Dispersal of seeds
- b. Other ways of growing Plants
- c. Growth and Development in Plants

2. Animal World

- d. Body covering of Animals
- e. Organs of Breathing
- f. Feeding Habits and Movement in Animals
- g. Migration

3. Bones and Muscles

- a. Skeleton
 - i. Skull
 - ii. Ribcage
 - iii. Backbone
 - iv. Limbs
- b. Functions of skeleton
- c. Joints and Muscles

4. Nervous System

- a. Nerves, Brain, Spinal Cord and their Parts
- b. Sense Organs
 - i. Non-Communicable Diseases
 - ii. Prevention and Hygiene

5. Food, Health and Hygiene

- a. Nutrients
 - i. Carbohydrate
 - ii. Protein
 - iii. Fat
 - iv. Vitamins
 - v. Minerals
- b. Diseases
 - i. Communicable Diseases
 - ii. Non-Communicable Diseases
 - iii. Prevention and Hygiene

6. Safety and First Aid

a. Safety on

i. Roads

ii. Home

iii. From Fire

iv. Prevention

b. First aid from different kind of injuries

7. Simple Machines

a. Lever

i. Parts

ii. Inclined Plane

iii. Wedge

b. Wheel and Axle

i. Pulley

ii. Screw

8. Air and Water

a. Atmosphere

i. Layers

ii. Composition

iii. Properties

b. Air Pollution

c. Water

i. Types of Impurities

ii. Various methods of removing impurities from water

9. Volcanoes, Earthquakes and Tsunamis

a. Volcanoes

i. Types of volcanoes

b. Earthquakes

i. Measuring

ii. Effects

c. Tsunami

10. The Moon and Eclipses

a. Phases of Moon.

i. Gravity

ii. Tides

b. Eclipses

i. Lunar Eclipse

ii. Solar Eclipse

c. Satellites

11. Rocks and Minerals

a. Kinds of Rocks

b. Uses of Rocks and Minerals

12. Soil Erosion and Conservation

a. Formation and Conservation of soil

b. Soil Erosion

13. Our Environment and Human Activities

a. Pollution

i. Air

ii. Water

iii. Land

iv. Noise

b. Effects of Pollution.

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

| Letter Grade | Marks Range | Numeric Grade |
|--------------|-------------|---------------|
| 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.