



HANSRAJ MODEL SCHOOL
Punjabi Bagh, New Delhi

SESSION 2025-26

CLASS IV

Play, Learn, and Grow



MATHS *(To be done by all the students)*

FOR ALL THE STUDENTS (To be done in a separate notebook)

1. Do 5 sums each of Addition, and Subtraction of numbers up to one lakh and 5 sums each of Multiplication (3 digit by 2 digit) and Division (4 digit by 2 digit) once a week.
2. Find out the product of year of birth and age for all family members.
3. Find out the cost of any 5 models of cars, divide it by the number of your total family members
4. Emphasize on your mental maths skills by playing different maths games, by doing oral calculations etc in your daily life.
5. Maths here...Maths there. Maths is Everywhere. Prove this statement true by observing the situations where you or your family members do maths in your daily life.

Following DIY activities are supposed to be done by all the students of the respective sections.

Section A – Snake and Ladder board game

Create a Snake and Ladder board game using addition and subtraction concepts. Label each tile on the board with a number. Create Math Question Cards: Make two types of cards: Addition and Subtraction.

Example Addition Card: What is $7 + 6$, Subtraction Card: What is $15 - 9$. Students will move steps according to the answer obtained and will enjoy fun and educational activity .

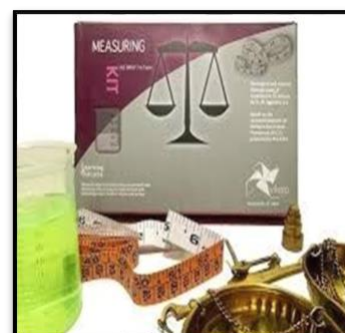
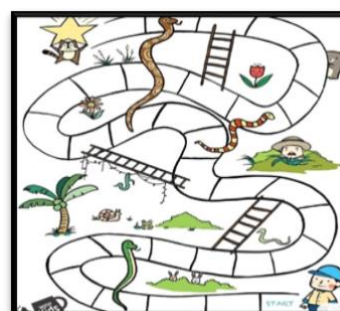
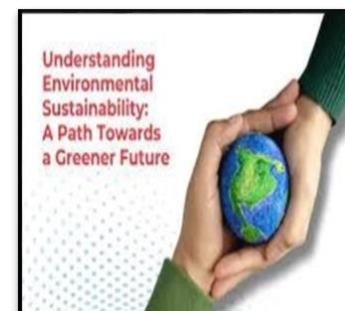
Section B – Measurement Kit Box

Make a measurement kit box using any old shoe box or a wedding card box , cover it and decorate it beautifully. Keep following things in it

- A homemade balance (hanger + string + paper cups)
- Paper/cardboard rulers
- Marked Plastic bottles or cups of different sizes for capacity

Section C – Multiplication Spinner

Make multiplication spinner as shown in sample pic to practice and have fun learning of multiplication facts using material easily available at home like thick card board ,coloured sheets etc



Section D – Mathematical stick puppets

Make 2 big stick puppets of any human figure (king , queen, old man or any cartoon character) Decorate the stick by drawing mathematical concepts.

Section E - Calendar Question Hunt

Make a calendar of your birthday month using old cardboard, buttons etc. for the year 2025 and make 5 beautiful, laminated flash cards having different question based on your calendar. Eg-

Q. What day of the week is June 1?

Q. How many Mondays are there in this month?

Q. What date is on the second Friday ?

Section F – Dice Making

Make 2 colourful dice by using foldable nets of cubes using different types of paper.

Section G - Tangrams

“Tangram”

Create a figure or a scenery (eg bird ,hut, animal) using tangram on A3 size sheet.

Use tangram made from different type of sheets – glitter sheet , origami sheet etc.

Write one good value/quote on the A -3 sheet on the topic given below

Topic - **GREEN FUTURE :LIVING GREEN,SUSTAINABLE TOMORROW**

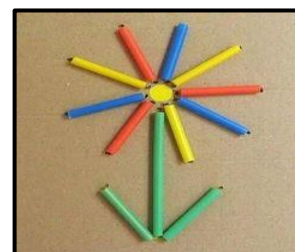
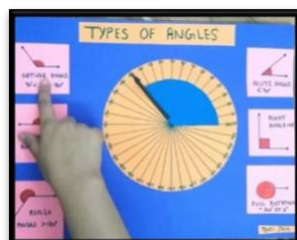
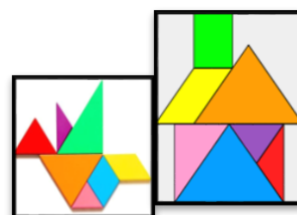
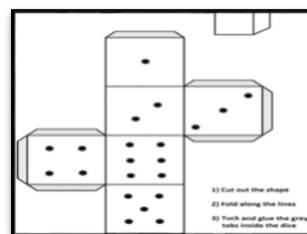
Section H- Angles

Make a model of angles using a chart paper or a cardboard for the base. Refer the given image.

Section I - Patterns

A Pattern is a repeated arrangement of numbers, shapes and colors.

- Using waste material, create symmetrical patterns and designs on an A-3 sheet
- You can use waste materials like bottlecaps , straws, buttons, match sticks ,ear buds etc.
- Cover it with a plastic cover.



SCIENCE *(To be done by all the students)*

FOR ALL STUDENTS

Dear Students,

Holidays not only offer a much-needed respite from academics but also present an ideal opportunity to engage in eco-conscious activities like recycling, promoting both physical well-being and environmental responsibility. Stepping away from routine allows the curious mind to explore innovative ways to repurpose waste materials, often inspired by nature and ambient surroundings. This fosters personal growth by broadening horizons through practical experiences

1. Watch videos on National geographic channel daily .Choose the programme wisely.
2. Revise all the concepts done in the class.

PROJECT 1 (Roll No. 1- 15)

Terrarium Tales: Life in a Mini World- Be aware of different habitats for a greener tomorrow!

Design a terrarium based on any one habitat from the following:

- 1) plains
- 2) desert
- 3) hills
- 4) hot and wet regions
- 5) marshy areas

- Your terrarium should include the types of plants, animals, soil, rocks, and climate found in that habitat.
- Use recycled and creative materials like clay, paper, natural elements, or small models to build it.

PROJECT 2 (Roll No. 16- 30)

Fun Activity — Paper Pulp and Fridge Magnet Craft

As a fun and creative way to learn about recycling, make a beautiful **fridge magnet using paper pulp** made from old or waste paper available at home. Shape the pulp into any design of your choice such as a tree, a globe, or the recycle symbol, and decorate it with colours or any other pattern. Along with this, you can also write a colourful and neatly presented slogan/message on fridge magnet, expressing your promise to reduce, reuse, and recycle to help save our planet.

PROJECT 3 (Roll No. 31 onwards)

Eco-Creations: A Journey Through Nature

Design a 3D model that creatively shows either:

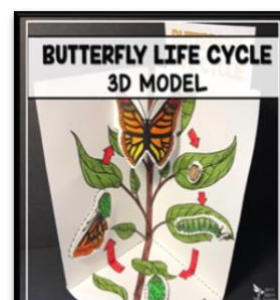
The life cycle of a butterfly (egg → caterpillar → pupa → butterfly),

Or

The journey of honey (bee collecting nectar → hive → honey-making process → honeycomb → honey collection by humans)

Materials:

- Use only items such as:
- Used cardboard, newspaper, paper rolls



- Dried leaves, twigs, coconut shells
- Biodegradable materials like jute, cloth scraps, etc.

Projects will be assessed based on Neatness, Creativity and use of Eco-friendly materials



SOCIAL SCIENCE (Classes IV-A, IV-B, IV-I)

Dear Students,

Summer Vacation is the best and the most fruitful time for learning and nurturing creativity. Keeping this objective in mind we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity.

- ❖ Learn about our heritage: Find some time to visit museums and monuments. Read about them and learn new things related to your country.
- ❖ Save environment: Contribute to saving our precious environment. Minimize the wastage of resources like water and fuel.
- ❖ Watch the National Geographic Channel to spend your leisure time fruitfully.
- ❖ Enjoy and learn the song on continents and oceans also learn the names of 28 states, 8 union territories and the neighbouring countries of India along with their capitals.

Refer to the following fun videos.

- ❖ <https://youtu.be/gFIS3aLQPfs> (song on continents & oceans)
- ❖ <https://www.youtube.com/watch?v=hub4ueyauhu>
- (no. of states 28 & no. of union territories 8)
- ❖ <https://youtu.be/wx6kcgjwqs>
- (neighbouring countries of India)

(Activity File-For all students)

"Heroes of India's Freedom Struggle"

TASK

Gather information about two prominent freedom fighters and understand their contributions to India's struggle for independence. Decorate the cover beautifully.



1. Choose two freedom fighters: Select any two freedom fighters from India's history.
2. Gather information: Research and gather details about their:
 - Contributions to the freedom struggle
 - Nicknames or notable titles
 - Specific actions or movements they led
 - Any other interesting facts or details
 - biography & pictures
3. Use reliable sources: Gather information from trusted history books or websites.
4. Be creative: Add pictures, slogans and illustrations to make your project engaging.

THEME : GREEN FUTURE: LIVING GREEN, SUSTAINABLE TOMORROW

SDG 9, SDG 12, SDG 13, SDG 15, SDG 16



FOR CLASSES IV-A, IV-B, IV-I

PROJECT 1: Roll Nos.- 1 to 8

Creativity In Construction : Bridge Model Making

Create a sturdy and visually appealing bridge model using waste materials.

Materials-

1. Waste materials such as:
 - Old newspapers
 - Cardboard tubes
 - Plastic straws
 - Ice cream sticks
 - Cardboard sheets
 - Used cardboard boxes
2. Adhesives like glue, tape, or paste
3. Scissors
4. Ruler
5. Pencils or markers for decoration (optional)

Reference links

https://youtu.be/F3MXCDrk_Is

https://youtu.be/s3HZievz_3Y

<https://youtu.be/oL5ZgccYmkg>

PROJECT 2: Roll Nos.- 9 to 16

“Let’s Explore – Types of Tourism”

Make a 3D model showing 5 types of tourism with mini scenes.

Materials needed:



A cardboard base (A3 size or a shoebox lid). Put a title banner: "Tourism in India"

Color paper or chart paper

Glue, scissors, markers

Printouts or drawings of tourist places

Cotton, sand, dried leaves (for texture)

Labels and toothpicks (for mini signboards)

Types of tourism should include :-

1. Medical Tourism:

Hospital scene with foreign & Indian patients/Ayurvedic Massage Centre-Kerala

2. Historical Tourism:

Mini model/drawing of Taj Mahal or Red Fort

Use clay or cutouts

Label: "Agra – Historical Wonder"

3. Pilgrimage Tourism:

Temple or gurdwara made from matchsticks or paper

Add cotton clouds and pilgrims

Label: "Amritsar – Spiritual Visit"

4. Adventure Tourism:

Mountain made from paper cones or thermocol

Add a rope for trekking, tiny paper people

Label: "Manali – Adventure Time"

5. Wildlife Tourism:

Forest with green paper, dried leaves, paper animals

Add a tree house or binoculars

Label: "Jim Corbett – Nature Trip"

Add a toy car or bus with "Tourist Bus" label

** These are mere ideas for scenes. Use your imagination & creativity to design the model with different scenes.

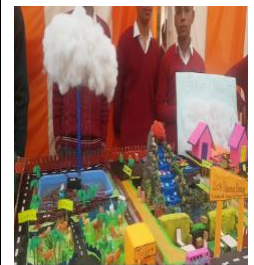
PROJECT 3: Roll Nos.- 17 to 24

"My Hobby Box"

Create a decorated box that visually and tangibly represents various hobbies.

Preparation:

1. Ensure the box is clean and intact. Students to list different hobbies they know or are interested in (e.g., reading, painting, drawing, gardening, stamp collecting, playing musical instruments, sports, crafting, cooking/baking, photography, coding, bird watching, writing).
2. Decorate the box (Outside):
3. Students can cover the box with decorative paper, fabric, or paint.
4. Draw illustrations related to hobbies.
5. Write "My Hobby Box" in an artistic font.
6. Use glitter, stickers, buttons, or other craft supplies to make it visually appealing.
7. Consider a theme for the decoration (e.g., a "rainbow of hobbies," "nature's



hobbies," "sports-themed box").

8. Represent hobbies (Inside the Box):

9. For each chosen hobby, students need to find or create a small item that symbolizes it. The items should fit inside the box.

Examples:

* Reading: A miniature book (can be made from paper), a bookmark, or a small cutout of a book.

* Painting/Drawing: A tiny paintbrush, a small tube of paint (empty and clean), a miniature-colored pencil, or a small sketch.

* Gardening: A few dry seeds in a tiny pouch, a small artificial leaf, or a drawing of a tiny gardening tool.

* Sports: A tiny football/basketball/tennis ball (made from clay or paper), a small paper cut-out of a player, or a tiny printed logo of a sports team.

* Music: A miniature paper guitar, a small drawn music note, or a tiny printed picture of a musical instrument.

* Yoga: Clay modelling yoga figures performing different asana.

Create Explanation Tags:

For each item inside the box, create a small tag (cardboard or paper) that explains:

1. The name of the hobby it represents.

2. Why it's a good leisure activity (e.g., "Reading helps improve vocabulary and imagination," "Painting allows for creative expression").

PROJECT 4: Roll Nos.- 25 to 32

"From Raw Material to Finished Products"-PICTIONARY

Availability of Raw Materials and Influence on Occupation

1.Model Idea: Select a few crafts or industries mentioned (e.g., farming for grains, bamboo crafts from Mizoram, Gujjars and their livestock in the Himalayas, iron and steel industry). The three distinct examples are given(in reference to L-7) to showcase variety in raw materials, processes, and occupational influence. You can add more to show your creativity.

2. Create a visual PICTONARY/ FLASH CARDS of A-4 Size, at least 5-6 for each craft showing the journey from the raw material to the finished product. (refer to L-7).Each student will make a minimum of two different pictionarys.

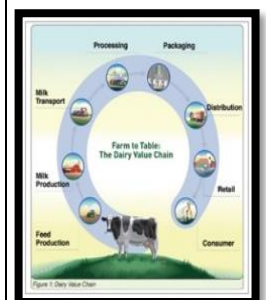
3. Geographical Connection: Include a small map indicating where the raw materials are found and where the occupations are prevalent.

Examples:

1. Farming for Grains (Wheat to Bread)
2. Bamboo Crafts (Mizoram)
3. Iron and Steel Industry

Steps to create your PICTONARY

- **Raw Material (Starting flash card):** A visual representation of the raw material.
- **Sequential Steps:** Numbered or clearly arrowed stages of transformation.
- **Finished Product (Ending flash card):** A visual of the final item.



- **Occupational Influence:** Short pictorial descriptions of the jobs created at each stage.
- **Geographical Connection:** A small, integrated map.
- **Size-A-4** with colourful pictures, numbered sequentially and laminated.

PROJECT 5: Roll Nos.- 33 Onwards

Methodes of Waste Disposal- "Spin the Wheel"

A rotating wheel divided into segments (like a pie chart), each showing one waste disposal method: composting, recycling, landfilling, burning the trash and segregation. (Refer to L-6)

Materials: Cardboard circle, paper, sketch pens, a split pin to attach a smaller top wheel with a cut-out window.

How to Create Your Wheel

https://www.youtube.com/watch?v=DBIAflpurZg&t=7s&ab_channel=JavaCreativity (Reference link)

1. Prepare the Base Wheel (Large Circle):

- Divide this large cardboard circle into **five equal segments**. Think of it like cutting a pizza into five slices.
- In each segment, **write the name of one of your waste disposal methods** clearly:

- **Composting**
- **Recycling**
- **Landfilling**
- **Burning the trash**
- **Segregation Biodegradable & Non-Biodegradable Waste)**

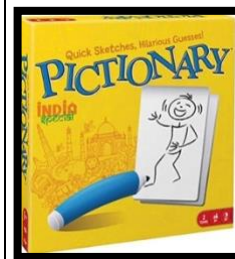


- **Illustrate Each Segment:** Draw a simple, clear picture representing that method.
 - **Composting:** A compost bin with fruit peels and leaves.
 - **Recycling:** A recycling symbol with arrows, showing plastic bottles, paper, and glass.
 - **Landfilling:** A mound of trash with a bulldozer or a "no entry" sign for waste.
 - **Burning the Trash:** Trash being burnt to dispose off the waste.
 - **Segregation:** Multiple bins for different waste types (e.g., wet, dry, hazardous, biodegradable, non-biodegradable).
- **Add a Brief Description:** Below each illustration, write a very short, simple sentence explaining what the method is (e.g., "Turning organic waste into valuable soil.").

2. Prepare the Top Wheel (Smaller Circle):

- Place this smaller circle directly on top of the larger base circle, aligning their centers.
- On the top wheel, **cut out a rectangular "window"** (about 2-3 inches wide and tall enough to reveal one segment's illustration and description). This window should be positioned so that when the top wheel spins, it reveals one segment of the base wheel at a time.
- Decorate the top wheel with a title like "Waste Disposal Wheel" or "Spin to Learn!"
- Consider adding an arrow or a "pointer" on the top wheel, pointing towards the window, to indicate which method is "chosen."

3. Assemble the Wheel:



- Carefully poke a hole through the exact center of both cardboard circles.
- Insert the split pin through both holes, with the head of the pin on the top wheel.
- Flip the wheels over and spread the prongs of the split pin flat against the back of the larger base wheel. This will allow the top wheel to spin freely.

ENGLISH (Class IV-C, IV-D, IV-E)

FOR ALL THE STUDENTS

READING

“Today a reader, tomorrow a leader”

Read the English newspaper daily and write the news headlines in the English Holidays homework notebook. Solve English crosswords and puzzles given in the newspaper as well.

Summer vacation is the best time to inculcate reading habits. So, let's take a tour of the beautiful world of books. *Prescribed books for reading this summer-*

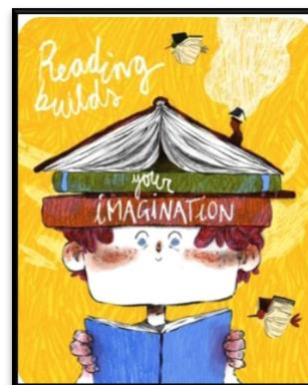
- Fantastic Mr. Fox
- The Magic of the Lost Temple
- The Jungle Book
- Gulliver Travels
- Stories of Akbar and Birbal
- Matilda

Follow up Activity – ‘My Story Box’

- Choose your favourite story from the list given above.
- Create your story box -Take a shoe box and decorate it with drawings or pictures related to the story.
- Inside the box, include:
 - ✓ a mini book report (title, author, main characters and few lines about the story)
 - ✓ a small clay model or paper craft of a character.
 - ✓ a list of few new or interesting words from the story and write their meanings.

LISTENING AND SPEAKING:

- Listen to English **news on the TV channels:** Times Now, CNN, and WION.
- Converse frequently in English with family members and friends.
- Children, mistakes are okay while speaking or writing. Attaining excellence in the language is a gradual process but keep trying.
- Speaking a few lines on any topic will also help you to become a confident speaker.
- You can use audiobooks, watch English news, movies, and stories, this will make you accustomed to the language.
- Watch the **educational channels:** National Geographic Channel,



Discovery Channel, History Channel, Animal Planet, and Nat Geo Wild.

- Watch the **suggested movies** (with subtitles) – Finding Nemo, Toy Story, Kung Fu Panda, Home Alone etc.

WRITING:

The following activity will be done in a big scrap file **by all the students**. Use bright colours for headings. Draw things like trees, bins and smiling Earth. Add slogans.

“My Recycling kit – Saving our Beautiful Earth.”

Give a beautiful, related name to your scrap file and draw a smiling Earth, children planting trees and recycling symbols on the cover page.

Page 2- Introduction page – A paragraph on ‘Saving the Environment’

Page 3- My Green Habits – List and paste few simple things you do to live green like *I turn off the tap, I carry my own cloth bag etc.*

Page 4- The 3R’s... and what we can recycle? Also add related pictures and symbols.

Page 5- Slogans and Saying page – Write few slogans/Self written poem and decorate them with cutouts of leaves, bins etc.

Page 6- Collage page -Paste pictures, newspaper headlines and cuttings of eco-friendly actions done (solar panels, clean rivers) etc.

Page 7- Poster on ‘My Dream Earth’ – pictures/drawings of clean rivers, happy animals, green parks etc.

FOR CLASSES IV-C, IV-D, IV-E (Do any one)

PROJECT 1: “ A, An, The - Little Words for a Big Green World”.

Make a beautiful 3D model on articles. Use the concept of recycling bins and waste items to make the project. (eg, bottle, newspaper, pen, twigs, cotton, mini tree trunk etc.) Refer to the link given below:

<https://youtube.com/shorts/Gwq02v15QEk?si=5351vGalNX5836x>

F

PROJECT 2 : “Be Green, Greener, Greenest – Let’s compare and Recycle!”

Use the positive, comparative and superlative degrees to compare eco-friendly habits or objects through a beautiful poster on a coloured A-3 sized sheet. Write and draw/paste pictures of the three degrees of comparisons on it. Also give it a tagline like:

Be the Cleanest Version of Yourself or

Compare your actions-choose the cleanest path.

Also get it laminated. Refer to the picture given below:

<https://youtube.com/shorts/fR6BvhUZoFo?si=3HOslJvX8sBW42W>

Q



Important Note: **For all the students** –

- *Revise the syllabus covered during the months of April and May. Read all the chapters thoroughly.*
- *Keep all the written material and projects in a separate folder.*

HINDI (Class IV-F, IV-G, IV-H)

(सभी विद्यार्थियों के लिए निर्देश)

अप्रैल तथा मई मास में करवाए गए पाठ्यक्रम की पुनरावृत्ति कीजिए। सभी पाठों को ध्यान से पढ़ें तथा कठिन शब्द याद करें।

*अपने घर के बड़ों से बातचीत कर उनके साथ समय बिताएँ तथा उनसे मिली सीख अथवा अनमोल बातों को अपने व्यवहार में लाएँ I

*नंदन ,चंपक ,बालहंस जैसी बाल पत्रिकाओं में से नैतिक मूल्यों से संबंधित/ ज्ञानवर्धक कहानियाँ पढ़िए।

प्रतिदिन एक हिंदी अखबार की सुर्खियां पढ़ें तथा घर में बड़ों को भी सुनाएँ।

(एक अलग कॉपी में)

हिंदी पाठ्यपुस्तक भाषा माधुरी में से पाठ 2 ,4 ,6, 7 ,8 में से 10- 10 कठिन शब्द चुनकर लिखिए। इन्हीं शब्दों में से किन्ही तीन के वाक्य भी बनाएँ।

Class IV-F, IV-G, IV-H)

कोई भी एक परियोजना करें
परियोजना कार्य 1- हरित पात्र (Planter)

विषय - क्रिया

एक मिट्टी के पात्र को सुन्दर-सा

रंग करिए और उसमें अपनी पसंद का पौधा लगाइए।

आपने पात्र कैसे लगाया A-4 SIZE SHEET पर लिखिए।

परियोजना कार्य 2 : चहचहाते घरौंदे

विषय- संज्ञा/विशेषण

आइसक्रीम स्टिक, नारियल आदि व्यर्थ वस्तुओं के प्रयोग से एक सुंदर एवं सुरक्षित पक्षी आश्रय का निर्माण करें तथा A-4 साइज शीट पर उस पक्षी के बारे में जानकारी प्राप्त कर उसकी 5 विशेषताएँ लिखकर चित्र चिपकाएँ।



रंगबिरंगी चीजों
का कर लो मेल,
रचनात्मकता से
भर जाएगा खेला।



DRAWING (To be done by all the students)

Class-4A, 4B, 4C

Topic- COASTERS MAKING (set of 4)

Take 4 pieces of hardwood or hand board of round or square shape, paint them with acrylic colours. You can paint mandala, dot painting or any other design on them.

For ideas kindly refer to the below links.

<https://youtube.com/shorts/mDRavBrP9us?si=XGJtaTJ5LYW0gm3r>
https://youtube.com/shorts/w5RYHZ4_aaQ?si=NowpkzVNBzQRgyl-

Class-4D, 4E, 4F

Topic- WOODEN SPATULAS

Paint plain wooden spatulas with acrylics colors. You can paint designs, patterns or folks art on it. You may decorate it with decorative materials like mirrors, beads etc.

For ideas kindly refer to the below links.

<https://youtube.com/shorts/2HMsmZm0ML8?si=06aSUIvsunFEc2Zj>

Class-4G, 4H, 4I

Topic- STONE CRAFT

Choose plain white or light colored cotton hankies. Use acrylic colors to paint them. Edges should be neat and clean.

Refer to the below link for some ideas.

<https://youtube.com/shorts/2HMsmZm0ML8?si=06aSUIvsunFEc2Zj>

PHYSICAL EDUCATION

(To be done by all the students)

1 Morning And Evening Fitness Schedule For Students.

- 15 Minutes Brisk Walking (For First 15 Days).
- 15 Minutes Slow Jogging (After 15 Days).
 - 100 On The Spot Jumping/ Jumping Jacks (For Two Minutes)
- Start Stretching And Rotational Exercises (Head To Toe).
- Start Skipping With Minimum 100 And Gradually Increase As Per Your Fitness Level And Stamina.



2 Yoga For Life

Asanas in standing position.

- Tadasana (Mountain Pose).
- Vrksasana (Tree Pose).
- Trikonasana (Triangle Pose).

Asanas in seating position.

- Sukhasana (Easy Pose).
- Paschimottasana (Seated Forward Fold).
- Padmasana

Back bending asanas.

- Bhujangasana (Cobra Pose).
- Salabhasana (Locust Pose).
- Dhanurasana (Bow Pose).



3 Pranayama Is A Yogic Practice Involving Breath Control To Enhance Well-Being.

- Simple Breathing Exercises.
- Alternate Nostril Breathing (Nadi Shodhana Pranayama)
- Bellows Breathing (Bhastrika)
- Bumblebee Breath (Brahmari)



4 Fun with board games.

- Snakes And Ladders, Chess.
 - Easy Sudoku for Beginners.

5 Health And Hygiene.

- Take Healthy And Homemade Diet. Increase The Intake Of Immunity Boosters Such As Basil Leaves, Cinnamon Powder, Almonds, Black Pepper, Lemon, Honey And Chywanaprash Etc.

WORK EXPERIENCE

(To be done by all the students)

KEYBOARD

- ❖ To practice fasten finger on keyboard
- ❖ Alankar -1- 5 . Western Music Scale-C D E F G A B C
- ❖ Keyboard Students to practice of all given notations as -Vande Mataram
- ❖ Medley Notations Rhythmic Practice
- ❖ Western Music Scale Task 1-3

INSTRUMENTAL MUSIC

- ❖ Bongo Practice Exercise 1 To 4
- ❖ Flute Sargam Practice
- ❖ Guitar Sargam Practice

DANCE

- ❖ Janmashtami Dance (Golak Raas)
- ❖ 1 Folk Dance And 1 Bollywood Dance

VOCAL MUSIC

- ❖ Read and learn correct pronunciation of National Anthem, National song and D.A.V Gaan from the school diary.
- ❖ Practice Alankars 1,2 and 3 daily.
- ❖ Learn and prepare one song of your choice (on Patriotic theme) to perform in class after vacation.