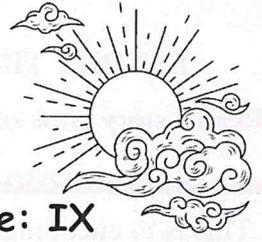


SRI RAMAKRISHNA VIDYA MANDIR INTERNATIONALSCHOOL
EAST KANDASAMPURAM, ULUNDURPET



HOLIDAY PROJECT (2024-25)



Name of the Student:

Grade: IX

Dear Parents,

Warm greeting from Sri Ramakrishna Vidya Mandir!

*Its summertime, school vacation has begun, Its time to play and have fun
INDOORS. Time to spend with kith and kin Happy Holidays*

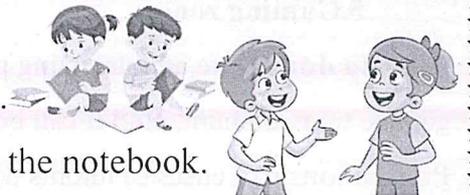
Vacation is a welcome break!

"Success is the sum of small efforts repeated day in and day out".

Summer Vacation is a time for the children to enjoy and relax. These days are precious and Valuable and can be made most from if judiciously used. We should always remind ourselves that children will not remember us for the gifts we shower upon them but will always cherish the time we spent with them. It's time to nurture young minds, inculcate moral values and narrate family anecdotes to keep them in touch with their roots. So Utilize the time in the most constructive way we have prepared Holiday Homework for the students on the principle of "learning by doing" for his/her holistic development. Parents are requested to only guide their children while doing the projects.

Some points to be remember:

- ❖ Drink plenty of juice and water to avoid dehydration.
- ❖ Make handwashing and hygiene a part of your daily routine.
- ❖ Holiday homework is part of subject enrichment and will be assessed based on the creativity and effort of the students.
- ❖ This is the perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.
- ❖ Reading is essential for those who wish to rise above the ordinary. Spend your valuable time reading purposeful books.
- ❖ Beautiful handwriting makes a great impression. Practice one page of English and Tamil handwriting daily.
- ❖ Holiday homework should reflect your authentic creativity.
- ❖ The homework should be done separately, subject-wise, in the notebook.
- ❖ Engage in regular physical activity. Exercise for at least 30 minutes each day to keep your body fit and healthy.



SUBJECT: ENGLISH

DAILY PROJECT:

1. STORY TIME:

Read a story book of your choice daily and write a review including: Title, Main characters, Plot, Theme

2. PERSONAL DICTIONARY

This is to encourage all students to make it a daily practice to refer to the **Dictionary** and record new words in your personal mini dictionary (**each day 5 words**). Please ensure that you include the synonyms and antonyms of each word you record.

3. NEWSPAPER READING

There are many important National and International days observed in the month of May and June. Select any **5 days**, refer newspaper and write short paragraph on these days. Paste some pictures published in the newspaper on that particular day. (example- 4 May International Firefighter's Day, 8 May World Red Cross Day, 5 June World Environment Day, etc.)

WHERE TO DO: A very well presented A4size sheet or in chart

SUBJECT PROJECT:

Design an English magazine which should have the following: An attractive cover page and name of the magazine, A few articles about your city or home town, An interesting, self-written story/poem, English riddles/amazing facts, Self-made advertisements, 5 Idioms and 5 Proverbs depicted pictorially, An interview of your favourite person (it can be famous person of your area or your father, mother).

EXHIBITION MODELS

1. Model Idea: Build a "Grammar Town" with physical representations of different parts of speech (noun park, verb street, adjective lane, etc.).

2. Punctuation Poster

Model Idea: Design a "Punctuation Power" poster that explains different punctuation marks and their uses.

Details: Create a fun, colorful poster with explanations and examples of punctuation marks like commas, semicolons, exclamation marks, and colons. Students could either design it physically with craft supplies

3. Vocabulary Tree of Life - Exhibit Concept: Create a "tree" with branches representing different categories of vocabulary (e.g., action words, feeling words, colors, etc.). Each branch will have words with definitions and examples of usage.

4. Make a finger puppet: Create finger puppets for at least three Panchatantra stories."

5. Gaming zone

How to do: Create an interesting portable game on any topic from the given list. Ex (Card games, board games, treasure hunt, etc.) It can be a made for an individual player or for multiple players. Topics: a) Prepositions b) Tenses c) Idioms d) Phrases and Clauses

Materials Required: Any waste material at your home like card boards, sheets, used bottles, etc.

Parameters: Creativity, authenticity, presentation

SUBJECT: MATHS

Daily Activities:

- **DATE: 10.04.2025 & 11.04.2025**
Do any 5 addition problems in Decimal Number (4 Digits) perday.
- **DATE: 12.04.2025 & 13.04.2025**
Do any 5 addition problems in Decimal Number(5 Digits) perday.
- **DATE: 14.04.2025 to 16.04.2025**
Do any 5 Multiplication problems in Decimal Number(4 Digits) perday.
- **DATE: 17.04.2025 to 20.04.2025**
Do any 5 Division problems in Decimal Number (4 Digits) perday.
- **DATE: 21.04.2025 & 22.04.2025**
Do any 5 Addition problems in Rational Numbers per day.
- **DATE: 23.04.2025 & 24.04.2025**
Do any 5 Subtraction problems in Rational Numbers per day.
- **DATE: 25.04.2025**
Do any 5 Multiplication problems in Rational Numbers.
- **DATE: 26.04.2025 & 27.04.2025**
Do any 5 Division problems in Rational Numbers per day.
- **DATE: 28.04.2025 to 30.04.2025**
Do any 5 sums in LCM of Rational Numbers per day.
- **DATE: 01.05.2025 & 02.05.2025**
DO any 5 sums in HCF of Rational Numbers per day.
- **DATE: 03.05.2025 & 04.05.2025**
DO any 5 sums in LCM and HCF of Rational Numbers per day.
- **DATE: 05.05.2025 to 14.05.2025**
Write Multiplication tables from 2 to 20 (up to 20) [Note: 2 Tables per day]
- **DATE: 15.05.2025 & 16.05.2025**
Write 2D- Mensuration Formulas (Square, circle, Triangle, Rectangle, Parallelogram, Rhombus, Trapezium, and Semi-Circle) with neat Diagram.
- **DATE: 17.05.2025 & 18.05.2025**
Write 3D – Mensuration Formulas (Cube, Cuboid, Cylinder, Sphere, Hemi- sphere, Cone) with neat Diagram.
- **DATE: 19.05.2025** - Write Square numbers from 1 to 10
- **DATE: 20.05.2025** - Write Square numbers from 10 to 20
- **DATE: 21.05.2025** - Write Cube numbers from 1 to 10
- **DATE: 22.05.2025** - Write Cube numbers from 10 to 20
- **DATE: 23.05.2025** – Convert Meter into Centimeter (5 Sums)
- **DATE: 24.05.2025** - Convert Centimeter into Meter (5 Sums)
- **DATE: 25.05.2025** – Convert Seconds into Minutes (5 Sums)
- **DATE: 26.05.2025** – Convert Minutes into Hour (5 Sums)
- **DATE: 27.05.2025** – Convert Liters into Milliliters (5 Sums)
- **DATE: 28.05.2025** – Convert Grams into Kilograms (5 Sums)
- **DATE: 29.05.2025** – Convert Decimal Number into Percentage (5 Sums)
- **DATE: 30.05.2025** – Convert Fractions into Percentage (5 Sums)
- **DATE: 31.05.2025** – Do Prime factorization method to find the Square Number (5 Sums)



NOTE: Use hoodamath.com website on every Sunday to boost your Maths knowledge.

Frame your own questions (any 5) on each topic every day.

EXHIBITION PROJECT TOPICS

- Model of Pi.(Roll No:8B03, 8B10)
- Divisibility Rules Display.(Roll No:8B23, 8B29)
- Budget Planning for Summer trip (Any 3)(Roll No:8B22,8B26,8B27)
- Use of Statistics in analyzing sports performance and role of statistics in health and Medical research.(Roll No: 8A14, 8A01,8A08)
- Profit and Loss.(Roll No:8A27,8A24)
- Visit a Bank or Post Office and calculate the Simple Interest on the various Schemes.(Roll No:8A31,8A29)



SUBJECT: SOCIAL

1. Dam working model: Create a Dam model demonstrates how dams control water, store it, and release it through spillways or turbines. (Use cardboard, Plastic container or small tank, PVC pipe or flexible tubing (for water flow) Plastic funnel (to direct water into the dam), Small container (to show water flow out of the dam), Clay or cement (to seal edges), Small electric pump (optional, to circulate water)

2. A Model of Parliament and the Three Pillars of Government (organs): Create a Model of the New Parliament and Miniature Models of the Three Organs of Government - using craft materials such as cardboard, clay. Focus on capturing key architectural features to represent the structure accurately. Also create small miniature models to represent the three organs of government: **Legislature, Judiciary, and Executive.**

3. Life lines of economy - Make a map model in chart or cardboard for Roadways (NH Roads), Railways (important train routes) Airways (International Airports), Sea ports in India.

4. BIT COINS: Create a chart model of Bitcoin (Crypto currency). Collect information about - What is bitcoin, when it was created, what is bitcoin wallet, how can you purchase and sell bitcoin, what is the basic working of bitcoin transaction, advantages and disadvantages of crypto currency, Is crypto legal in India.

5. Time line - Create a Timeline of British Rule and Governors-General in India. Make a timeline chart covering British rule in India from the East India Company's entry to 1947, highlighting key events and major Governors-General. **List the Governors-General** along with their tenure and key actions during their rule. And also **Prepare a PowerPoint (PPT).**

SUBJECT PROJECT:

6. Disaster Management: Recent Earthquakes in Thailand and Indonesia. The project must contain the following headings:

1. **Cover Page** - Title: Disaster Management: Recent Earthquakes in Thailand and Indonesia.
2. **Acknowledgement**
3. **Introduction** - What is Disaster Management? *Types of disasters (Natural & Man-made) Short focus: Why earthquakes are one of the most dangerous natural disasters- *About Earthquakes,

What is an Earthquake? - Reasons Behind Earthquakes.

4. Recent Earthquakes in Thailand & Indonesia:

Thailand Earthquake: Mention date, magnitude, and region (Example: Northern Thailand, Chiang Rai region).

Indonesia Earthquake: Frequent quakes due to location on the “Ring of Fire”

5. **Affected Areas** - Map Page - Paste or draw a map of Southeast Asia showing affected areas with labels. Use red dots or marks for epicenters.

6. **Damage Caused**- *Number of people affected or lost, - *Loss of property - *Disruption of communication, electricity, homes. - Add statistics from news articles

7. Real Stories & News (Disaster Impact)

Add recent news clippings or online headlines - *Include photos of affected regions (can be printed) Mention efforts by rescue teams, local government, and international helps.

8. Preventive Measures & Safety Tips

*Why earthquake-resistant homes *Reason for safety drills in schools *What to do before, during, and after an earthquake *Early warning systems and rescue plans

9. **Government Response** - *What Thailand and Indonesia governments did after the quake.

*Evacuations, shelters, health services, rebuilding efforts *How international communities helped?

10. **Ethical & Human Values**-* Caring for victims, Teamwork, support, empathy, Importance of being prepared and staying calm.

11. **Sustainable Development and Conclusion** - *How disaster-resilient infrastructure can save lives Learning from past disasters helps protect the future

12. Images, Maps, and Data Charts

13. Newspaper Clippings

Student Reflection (1 paragraph: “What I learned from this project”)

14. Conclusion

(Presentation Tips: Use coloured A4 sheets or Chart for each page., Add headings and subheadings clearly.

Use neat handwriting Include maps, images, and charts wherever needed. Decorate the borders if you like, but keep it clean and educational)

Daily activities: Make a scrap book or booklet with colour papers or chart – collect all the technical terms related to social science from your text book

SUBJECT: TAMIL

தஞ்சாவூர், கன்னியாகுமரி, கோயம்புத்தூர், திருவண்ணாமலை ஆகிய ஊர்களில் ஏதேனும்

இரண்டு ஊர்களை எடுத்துக்கொண்டு அவ்வூரின் சிறப்பு தகவல்களான

அங்குள்ள கோவில், முதன்மைத் தொழில், கல்வியறிவு பெற்ற மக்களின் சதவீதம், உணவு,

மண்வளம், ஊரினை பற்றி அடியார்கள் பாடிய பாடல், சுற்றுலாதலங்கள்,

அங்குள்ள வட்டாரவழக்கு (மொழி) என அனைத்தையும் தொகுத்து ஒரு பக்க அளவில்

தனித்தனியே இரண்டு கையேடுகள் உருவாக்கி வருக.

வீட்டுப்பாடம் :

1. ராமரின் வனவாச வாழ்க்கையை படித்து உன் சொந்த நடையில் எழுதி வருக.

2. தினமும் செய்தித்தாளை படித்து உன்னை ஈர்த்த இரண்டு செய்திகளை பற்றி குறிப்பேடு தயார் செய்.

3. திருக்குறளில் அறத்துப்பாலில் எவையேனும் 30 திருக்குறளை ஓலைச்சுவடி

மாதிரியாக செய்து வருக.

4). காப்பிங்களின் வகைகளும் அவற்றின் ஆசிரியர்களின் பெயர்களையும் எழுதி வருக.

SUBJECT: SCIENCE

1. ELECTROLYSIS OF WATER: (ROLL NO: 1 TO 3)

Materials:

Two regular number 2 pencils (remove eraser and metal part on the ends), 2 transparent plastic cups per group, water, table salt (NaCl), spoon (for mixing), 1.9V battery/group, 2 pieces of cardboard (enough to cover the opening), 2 connecting wires (optional), tape (optional)

Caution: Use only 9V batteries (direct current) for this experiment.

Procedure:

Sharpen each pencil at both ends, Cut the cardboard to fit over glass, Push the two pencils into the cardboard, about 1.5 centimeters apart, Dissolve about a teaspoon of salt into the warm water and let sit for a while. The salt helps conduct the electricity better in the water.

- (Option 1) Using one piece of the electrical wire, connect one end on the positive side of the battery and the other to the black graphite (the "lead" of the pencil) at the top of the sharpened pencil. Do the same for the negative side connecting it to the second pencil top.
- (Option 2) Connect the battery to the pencil tips directly. They can be secured by using tape or simply hold them in place.
- Place the other two ends of the pencil into the salted water. - Bubble should appear.

2. BENDING OF WATER DUE TO STATIC ELECTRICITY: (ROLL NO: 4 TO 6)

Gather your materials: You'll need a plastic comb, a faucet, and clean, dry hair (or balloon).

- Create a static charge: Rub the comb (or balloon) vigorously on your dry hair to build up a static charge.
- Turn on the faucet: Gently turn on the faucet to create a thin stream of water.
- Bring the charged object near the stream: Slowly bring the charged comb (or balloon) close to the stream of water, without touching it.
- Observe the water bend: You'll notice that the stream of water bends towards the charged comb (or balloon).
- Why it works: Water molecules are polar, meaning they have a slightly positive and negative side. When a charged object is brought near, the oppositely charged ends of the water molecules are attracted to the charged object, causing the stream to bend.

3. BUILD YOUR OWN TELESCOPE: (ROLL NO: 7 TO 9)

Materials Double convex lens, 38 mm diameter, 500 mm focal length, Double concave lens, 38 mm

diameter, 150 mm focal length, Cardstock (2 pieces), Scissors, Tape

4. NEWTON'S CRADLE WORKING MODEL: (ROLL NO: 10 TO 13)

Needed materials: 5 Identical Metal Balls (marble balls)- String or Thread (for suspending the balls), Rigid Frame (wooden or metal frame to hang the balls), Support Hooks (for hanging the balls), Glue or Tape (for assembly), Clamps or Brackets (optional for fixing the frame)

Procedure:

- **Assemble the Frame:**
- Fix 5 metal balls to a rigid frame using string or wire, ensuring they just touch each other when at rest.
- **Lift One Ball:** - Lift one ball at one end of the cradle and release it.
- **Observe the Action:**
- The lifted ball swings down, hits the next ball, transferring energy and momentum through the balls. The last ball swings outward in the opposite direction.

5. RESEARCH ON ELEMENTS: (ROLL NO: 14 TO 16)

- **Assignment and model:** Choose an element from the periodic table. Write a report on the element that includes: Its name, symbol, Physical properties (metal, non-metal, metalloids)

Common uses and interesting facts.

6. RESEARCH ON COMPOUNDS (ROLL NO: 17 TO 19)

- **Assignment and model:** Choose a compound (e.g., Water, Salt, Carbon Dioxide). Write a report on: The elements that make it up, how it's formed, its properties and uses in daily life.

Fun facts or interesting information about the compound.

7. METALS WE USE IN OUR DAILY LIFE. (ROLL NO: 20 & 21)

- **Assignment and model:** Learning about the usage of metals in daily life

How they are formed and their properties and Examples of each.

8. HOW TO IDENTIFY THE HARDNESS OF WATER: (ROLL NO: 22 TO 25)

Materials Needed: Water sample (tap water or bottled water), Soap solution (liquid dish soap or any liquid soap, two clear containers or glasses, Measuring spoons or a small cup, Distilled water (optional for comparison), Stirring stick or spoon

Procedure:

Prepare the Soap Solution:

- Pour about 1 tablespoon of liquid soap into a container or glass.
- Add a small amount of water (about 50-100 mL) to the soap and stir until it dissolves, creating a soapy solution. Test the Water Sample:
- Take the water sample (tap water or bottled water) in a separate container. You can also compare your tap water with distilled water (which is soft water and will serve as a reference).

- Add Soap Solution to Water; add about 5-10 drops of the soap solution to the water sample.
- Shake and Observe: Stir or shake the container gently to mix the water and soap solution.
- Observe how much lather (foam) forms.

9. PREPARE A POWERPOINT PRESENTATION: (ROLL NO: 26 TO 29)

TOPICS: Space journey of Sunitha Williams and her space stay of nine months.

10. Create a "Light Spectrum" with a CD (ROLL NO: 30 TO 33)

Objective: Use a CD to create a visible light spectrum by reflecting light off of it.

Materials: A CD, flashlight, white surface (like a wall or piece of paper).

Learning Points: Light spectrum, reflection, and diffraction.

Steps: Shine a flashlight onto the surface of the CD.

Hold the CD at an angle and observe the rainbow-colored light reflected onto a white surface.

Extension: Experiment with different light sources or angles to change the light spectrum.



DAILY HOMEWORK:

Watch news daily and write about science and technology, space science

SUBJECT: HINDI

Make a chart on a national symbol of India: A patriotic display of India.

Note : School reopening date will be informed through SMS

Kalika

Principal

SRI RAMAKRISHNA VIDYA MANDIR INTERNATIONAL SCHOOL
EAST KANDASAMPURAM, ULUNDURPET



HOLIDAY PROJECT (2024-25)



Name of the Student:

Grade: VII

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INDOORS. Time to spend with kith and kin Happy Holidays*

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- ❖ Engage in regular physical activity. Exercise for at least 30 minutes each day to keep your body fit and healthy.



SUMMER HOLIDAY PROJECTS

ENGLISH

Daily Homework

MINI DICTIONARY:

All students are encouraged to develop the daily habit of using a dictionary and recording five new words each day in your personal mini dictionary. Make sure to include both the synonyms and antonyms for each word you note down.



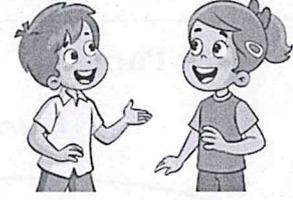
WORD COLLECTOR:

Pick any book you like and enjoy reading it at your own pace. Grab 3–5 new or interesting words from the story. For each word, write: Meaning, Synonym / Antonym, Use in your own sentence

MY HERO IN THE NEWS:

Find and read about any person featured in the newspaper who has done something inspiring or helpful.

- Write their name and what they did
- Describe in a short paragraph why you admire them
- Paste their photo or article from the newspaper



SUBJECT PROJECT:

1. BECOME A NEW PERSON EVERY DAY

Live as a different character or personality each day and document the experience.

Description: One day, be a pirate; the next, a scientist, a ninja, or a 1920s detective. Dress up, act the part, and write or record diary entries from each persona's perspective.

TAMIL

63 நாயன்மார்களில் ஏதேனும் 10 நாயன்மார்களை பற்றி படங்களை திரட்டி அவர்களின் சிறப்புகளை கையேடுகளாக தொகுத்து எழுதி வருக.

வீட்டுப்பாடம் :

- 1). தினமும் மூன்று கலைச் சொற்கள் எழுதவும். (Tamil and English)
- 2). தினமும் ஒரு திருக்குறள் மட்டும் பார்த்து எழுதவும்.
- 3). தினமும் ஒரு பொது அறிவு வினா விடை எழுதவும்.



SOCIAL

1.Landforms of India model: Create a model of the landforms (mountains, plains, and rivers) of India using cardboards, clay etc. Paint (to represent different landforms like mountains, plains, and rivers)

2. Currency and coin collection model: Create a model for a **currency and coin collection** from different countries using - A display board or poster board, Small containers or pockets (for organizing coins), Glue or double-sided tape, Printed images of banknotes (or actual currency if available), Labels or small cards for each country, Currency/coins from different countries (can be real, replicas, or printed images)

3. Keezhadi archaeological site: Create a model of the **Keezhadi archaeological site** using - Cardboard, Clay or playdough (for shaping structures and artifacts), Small pebbles or sand (for terrain texture), Paint (to represent soil, buildings, etc.), Plastic or miniature figures (optional for human or animal figures), Glue or tape for fixing objects.

4. Set up the globe: (Latitude and Longitude) Make a globe (like a foam ball or basketball), mark the **equator** horizontally around the centre of the globe. This represents 0° latitude. Use a marker to draw the **prime meridian** vertically from the top to the bottom, passing through the centre. This represents 0° longitude. Students need to explain the time difference using longitude with correct calculation.

5.Crop production areas in India : This model should represent global or regional crop production areas, showing where different crops thrive based on climate, soil, and geography.

6.Rainwater harvesting working model:

This working model demonstrates the process of **rainwater harvesting**, showing how rainwater is collected, filtered, and stored for future use. It emphasizes sustainability and water conservation.

Materials Needed: A large plastic or metal container (to represent the storage tank),A funnel (to collect water),A pipe (for water flow),Plastic sheets or small roof-like structure (to represent the roof where rainwater will be collected),A mesh or filter (to filter debris),A small pump (optional, for circulation or testing),Transparent tubing (to show the flow of water),A small base (e.g., cardboard or foam board for the setup),Water for demonstration.

7. Investment plan-visit to bank & post office;

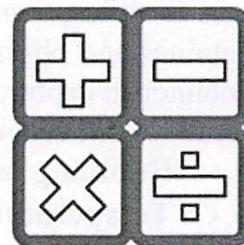
This model and chart visually demonstrate **investment plans** offered by both banks and postal services. It helps explain the process of investing, required documents, and benefits, providing a clear and educational overview of the available investment options. Students need to visit the bank, take photos of it, and then file them.

Daily activities: Make a scrap book or booklet with colour papers or chart – collect all the technical terms related to social science from your text book.



Activity:-

1. Area and Perimeter.
2. Integers number line.
3. Integers machine.
4. Rotational symmetry.
5. Lines and Angles.
6. Data handling.
7. Number play.



Daily Homework

- **DATE: 10.04.2025 to 13.04.2025**
Do any 3 Addition, Subtraction problems (5 Digits) for each day.
 - **DATE: 14.04.2025 to 20.04.2025**
Do any 3 Multiplication problems by using lattice method (5 Digits) for each day.
 - **DATE: 21.04.2025 to 27.04.2025**
Do any 3 Division problems (5 Digits) for each day
 - **DATE: 28.04.2025 to 04.05.2025**
Do any 3 Multiplication problems in Decimal Number (4 Digits) for each day.
 - **DATE: 05.05.2025 to 11.05.2025**
Do any 3 Division problems in Decimal Number (4 Digits) for each day.
 - **DATE: 12.05.2025 to 18.05.2025**
Do any 3 LCM and HCF problems for each day.
 - **DATE: 19.05.2025 to 25.05.2025**
Do any 2 Addition, Subtraction, Multiplication, Division problems in fraction each day.
 - **DATE: 26.05.2025 to 31.05.2025**
Read any 3 tables for each day & Read the formulae of area and perimeter.
- NOTE:**
- ❖ Use hoodamath.com website on every Sunday to boost your Maths knowledge.
 - ❖ Frame your own questions (any 5) on each topic every day.

SCIENCE

1. DEVELOP ECO FRIENDLY DYEING TECHNIQUES: (ROLL NO: 1 TO 5)

Experiment with natural dyes derived from plants like turmeric, indigo and beetroot. Investigate their colour fastness, toxicity and energy usage during dyeing processes. compare the environmental impact of these dyes with synthetic alternatives, focusing on waste production and water pollution.

2. CREATE A NATURE JOURNAL: (ROLL NO: 6 TO 10)

Objective: Observe and document local wildlife, plants, and weather. Project: Take daily walks or spend time outside to observe nature. Record your observations in a nature journal, noting the plants, animals, and any changes in the environment. Include drawings, photos, or pressed flowers to make the journal more creative.

3. WATER CONSERVATION SCRAP BOOK: (ROLL NO: 11 TO 15)

Content: Include tips on how to conserve water at home, school, and in the community.

Sections:

- Facts about water scarcity and its importance.
- Simple water-saving techniques (e.g., turning off the tap while brushing, using a bucket to wash the car)

4. ASSIGNMENT ON CHEMICAL REACTIONS: (ROLL NO: 16 TO 20)

a) Introduction to Chemical Reactions, Research and Definition: Define what a chemical reaction is. List three examples of chemical reactions that occur in everyday life (e.g., rusting of iron, burning of paper, digestion of food).

b) Experiment - Vinegar and Baking Soda Reaction, Objective: Observe a simple chemical reaction and note the signs. Materials: Baking soda, A small container or bottle, Vinegar.

Instructions:

Place 2 tablespoons of baking soda in a container. Pour vinegar (about 3 tablespoons) into the container and observe what happens. If you're using a balloon, stretch it over the opening of the container to capture the gas produced.

Observe and record the changes. Look for signs of a chemical reaction, such as:

- **Bubbling or fizzing** (gas production).
- **Temperature change** (Is the container warmer or cooler?)
- **Change in appearance** (Is there any change in color or texture?)

5. SHADOW CLOCK EXPERIMENT: (ROLL NO: 21 TO 25) Materials:

A flat surface (a piece of cardboard, a table, or the ground outside), A stick or pencil (to act as a "gnomon"), A ruler and protractor, A marker or pen

Instructions:

1. **Create Your Shadow Clock:** Place the stick or pencil upright at the center of the cardboard or table. This will serve as the "gnomon" (the object that casts the shadow). Use the ruler to mark the outline of the shadow at different times throughout the day (e.g., morning, noon, and evening).
2. **Observe the Changing Shadows:** Over the course of a few hours, observe how the shadow of the stick changes in length and direction. Mark the position of the shadow every hour. You can use a protractor to measure the angle of the shadow.
3. **Record Your Findings:** Draw a clock face on the cardboard and label the times based on your observations of the shadow's length and position.

6. CHART BASED ON UPCOMING MISSIONS OF ISRO: (26 TO 30)

Topics: Nisar, Gaganyaan, Shukrayaan (venus orbiter mission), SPADEX (Space Docking Experiment), Mangalyaan 2.

7. ECO- FRIENDLY ART: (31 TO 35)

Project: Collect old newspapers, plastic bottles, or cardboard and use them to create an artwork, like a sculpture or painting. The project should promote recycling and sustainability. You can explain in a short write-up how recycling helps the environment.

8. CREATE A COMPOSTING SYSTEM: (36 to 40)

Objective: Learn about decomposition, recycling, and reducing waste.

Project: Start a compost bin at home using kitchen scraps like vegetable peels, tea bags, and leaves. Create a presentation or a report about how composting helps reduce waste and creates rich soil for plants. You could also keep a journal of the composting process.

DAILY HOMEWORK:

Know an Indian Scientists and their inventions for each day and Write their name and inventions and achievements as an assignment.

HINDI

Make a working model for LING BADLO (Change the Gender form)

Kalyani
PRINCIPAL

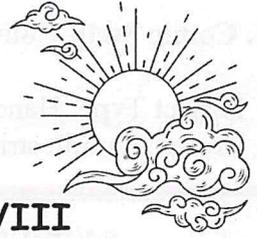


Note : The School Reopening Date Will Be Informed through SMS

SRI RAMAKRISHNA VIDYA MANDIR INTERNATIONALSCHOOL
EAST KANDASAMPURAM, ULUNDURPET



HOLIDAY PROJECT (2024-25)



Name of the Student:

Grade: VIII

Dear Parents,

Warm greeting from Sri Ramakrishna Vidya Mandir!

*Its summer time, school vacation has begun, it's time to play and have fun
INDOORS. Time to spend with kith and kin Happy Holidays*

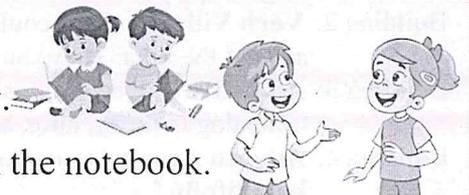
Vacation is a welcome break!

"Success is the sum of small efforts repeated day in and day out".

Summer Vacation is a time for the children to enjoy and relax. These days are precious and valuable and can be made most from if judiciously used. We should always remind ourselves that children will not remember us for the gifts we shower upon them but will always cherish the time we spent with them. It's time to nurture young minds, inculcate moral values and narrate family anecdotes to keep them in touch with their roots. So Utilize the time in the most constructive way we have prepared Holiday Homework for the students on the principle of "learning by doing" for his/her holistic development. Parents are requested to only guide their children while doing the projects.

Some points to be remember :

- ❖ Drink plenty of juice and water to avoid dehydration.
- ❖ Make handwashing and hygiene a part of your daily routine.
- ❖ Holiday homework is part of subject enrichment and will be assessed based on the creativity and effort of the students.
- ❖ This is the perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.
- ❖ Reading is essential for those who wish to rise above the ordinary. Spend your valuable time reading purposeful books.
- ❖ Beautiful handwriting makes a great impression. Practice one page of English and Tamil handwriting daily.
- ❖ Holiday homework should reflect your authentic creativity.
- ❖ The homework should be done separately, subject-wise, in the notebook.
- ❖ Engage in regular physical activity. Exercise for at least 30 minutes each day to keep your body fit and healthy.



SUBJECT: ENGLISH

1. Comic Strip Conversation - Comparing Formal and Informal Dialogues

Project Type: Handmade Comic Strip

Create 2 comic strips on same situations — one in formal style and one in informal style.

EXPRESSION	FORMAL	INFORMAL
Greeting	Good morning	Hey!
Request	I would like to...	Can I...?
Thanking	Thank you very much	Thanks a lot!

Draw or paste pictures of characters speaking (can be hand-drawn or cut out from magazines or printed). Use emojis or expressive faces to show emotions: Happy, sad, nervous, excited, confused, polite, etc.

2. The Punctuation Train"

Materials Needed:

- **Train Components:** Create a small model of a train with several "cars" (wagons) linked together. Each car will represent one punctuation mark station.
- **Punctuation Station Cards:** Cards or signs representing each punctuation mark.
- **Interactive Sentences:** Sentences or phrases where the students need to add the correct punctuation.
- **Markers/Pens or Stickers:** For students to mark the sentences correctly.
Station 1: Period (.), Station 2: Comma (,) Station 3: Question Mark (?)
Station 4: Exclamation Point (!) Station 5: Apostrophe (') Station 6: Quotation Marks (" ")

3. Types of noun working model:

To demonstrate the different types of nouns (Common Noun, Proper Noun, Collective Noun, Abstract Noun, and Material Noun) using a physical model or visual representation.

Refer the links given below

- https://youtu.be/1VDjGS1QHxg?si=k81pe_l6pM2eTh8X
- <https://pin.it/5jul9xtRT>



4. Building the Parts of Speech Town:

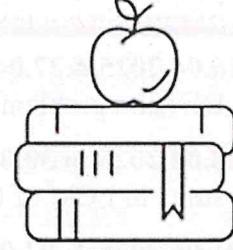
Materials Needed:

- **Cardboard Sheets** for constructing buildings or structures.
- **Markers, colored paper, or stickers** to decorate the buildings.
- **Scissors, glue, and tape** for construction.
- **Printouts or cards** with examples of different parts of speech.
- **Labels** (for each building or structure representing a part of speech).
- **Small objects or figurines** (optional, for added interactivity).

- **Building 1: Noun House:** Students can add new nouns they think of, like names of places, objects, and people, to a large display inside the house.
- **Building 2: Verb Villa:** Students could create a "verb garden," writing action words on cards and placing them around the villa. They can also act out the verbs.
- **Building 3: Adjective Palace:** Students can pick a noun (like a picture of a dog) and use adjectives to describe it (e.g., "The dog is **fluffy**, **cute**, and **playful**").
- **Building 4: Adverb Avenue:** Students can create sentences using adverbs, such as "He runs **quickly**" or "She sings **beautifully**."
- **Building 5: Pronoun Plaza:** Display sentences with blanks for pronouns and have students complete them with the correct pronoun.

- Building 6: **Preposition Pathway:** Set up a simple maze or obstacle course and have students describe the location of objects using prepositions (e.g., "The ball is **next to** the chair").
- Building 7: **Conjunction Corner:** Students can complete compound sentences using conjunctions: "I like apples, ___ I don't like bananas."
- Building 8: **Interjection Island:** Students can practice using interjections in various emotional contexts: "Wow, this is amazing!" or "Oh no, I forgot my homework!"

Activities



1. Title: "A-Z Vocabulary Scrapbook – using dictionary

Project Type: Project Book / A4 File

Create a small scrapbook.

For each letter A–Z: Write 1 new word -Definition - Sentence - Small picture - Decorate with cut-outs, stickers, or drawings.

2. Review of Newspaper Article

"Read newspaper article and write a review including: a) Title b) Main Characters c) Theme d) Moral"

3. Make a Travelogue on any place that you visited during your summer vacation. Give a name to your

Travelogue. Mention following detail: • Famous tourist spots • Famous buildings, monuments etc
• Famous restaurants etc. • Famous markets etc. • Famous handicrafts etc.

SUBJECT: TAMIL

தமிழ் மாத இதழ் ஒன்றை தயார் செய்யவும்.

அதற்குப் பெயர்கொடுத்து கீழ்க்கொடுக்கப்பட்டுள்ள தலைப்புகளில் செய்திகளை சேகரித்து எழுதவும்.

1. உனக்கு பிடித்த இரண்டு நாயன்மார்கள் மற்றும் ஆழ்வார்கள் பற்றிய சிறப்பு தகவல்களை இரண்டு பக்கங்களுக்கு படங்களுடன் எழுதவும்.
2. தமிழ்ச்சொல்விளையாட்டை உருவாக்கவும்.
3. உனக்கு பிடித்த தலைப்பில் கவிதை ஒன்றை எழுதவும்.
4. ஏதேனும் ஒரு திருக்குறளுக்கு கதை மூலமாக பொருள்கூறவும்.
5. உன்னை கவர்ந்த சாதனையாளர் ஒருவரை பற்றி எழுதவும்.

வீட்டுப்பாடம்

1. மூவேந்தர்களின் நாடுகொடி, சின்னம், மரம், பூ, சிறப்பு ஆகியவற்றை அறிந்து எழுதி வருக
2. ஐந்து எழுத்து சொற்கள் தினமும் ஐந்து எழுதி வருக
3. ஒன்று முதல் நூறு வரை உள்ள தமிழ் எண்ணுருக்களை அட்டவணையாக எழுதி வருக
4. இறந்தகாலம் நிகழ்காலம் எதிர்காலம் ஆகிய மூன்று காலத்திலும் 30 சொற்கள் எழுதி வருக.

SUBJECT: MATHS

- **DATE: 10.04.2025 & 11.04.2025**
Do any 5 addition problems in Decimal Number (4 Digits) per day.
- **DATE: 12.04.2025 & 13.04.2025**
Do any 5 addition problems in Decimal Number (5 Digits) per day.
- **DATE: 14.04.2025 to 16.04.2025**
Do any 5 Multiplication problems in Decimal Number (4 Digits) per day.
- **DATE: 17.04.2025 to 20.04.2025**
Do any 5 Division problems in Decimal Number (4 Digits) per day.

- **DATE: 21.04.2025 & 22.04.2025**
Do any 5 Addition problems in Rational Numbers per day.
- **DATE: 23.04.2025 & 24.04.2025**
Do any 5 Subtraction problems in Rational Numbers per day.
- **DATE: 25.04.2025**
Do any 5 Multiplication problems in Rational Numbers.
- **DATE: 26.04.2025 & 27.04.2025**
Do any 5 Division problems in Rational Numbers per day.
- **DATE: 28.04.2025 to 30.04.2025**
Do any 5 sums in LCM of Rational Numbers per day.
- **DATE: 01.05.2025 & 02.05.2025**
Do any 5 sums in HCF of Rational Numbers per day.
- **DATE: 03.05.2025 & 04.05.2025**
Do any 5 sums in LCM and HCF of Rational Numbers per day.
- **DATE: 05.05.2025 to 14.05.2025**
Write Multiplication tables from 2 to 20 (up to 20) [Note: 2 Tables per day]
- **DATE: 15.05.2025 & 16.05.2025**
Write 2D- Mensuration Formulas (Square, circle, Triangle, Rectangle, Parallelogram, Rhombus, Trapezium, and Semi-Circle) with neat Diagram.
- **DATE: 17.05.2025 & 18.05.2025**
Write 3D – Mensuration Formulas (Cube, Cuboid, Cylinder, Sphere, Hemi- sphere, Cone) with neat Diagram.
- **DATE: 19.05.2025** - Write Square numbers from 1 to 10
- **DATE: 20.05.2025** - Write Square numbers from 10 to 20
- **DATE: 21.05.2025** - Write Cube numbers from 1 to 10
- **DATE: 22.05.2025** - Write Cube numbers from 10 to 20
- **DATE: 23.05.2025** – Convert Meter into Centimeter (5 Sums)
- **DATE: 24.05.2025** - Convert Centimeter into Meter (5 Sums)
- **DATE: 25.05.2025** – Convert Seconds into Minutes (5 Sums)
- **DATE: 26.05.2025** – Convert Minutes into Hour (5 Sums)
- **DATE: 27.05.2025** – Convert Liters into Milliliters (5 Sums)
- **DATE: 28.05.2025** – Convert Grams into Kilograms (5 Sums)
- **DATE: 29.05.2025** – Convert Decimal Number into Percentage (5 Sums)
- **DATE: 30.05.2025** – Convert Fractions into Percentage (5 Sums)
- **DATE: 31.05.2025** – Do Prime factorization method to find the Square Number (5 Sums)

NOTE:

- ❖ Use hoodamath.com website on every Sunday to boost your Maths knowledge.
- ❖ Frame your own questions (any 5) on each topic every day.

EXHIBITION PROJECT TOPICS

- Role of Maths in Cryptography (Roll No: 7A30, 7B30,7B22)
- Investigating cryptographic methods based on Prime factorization. (Roll No: 7B19, 7A26, 7A41)
- Angles in Parallel lines.(Roll No:7A37, 7A44)
- Symmetry in Geometry.(Roll No: 7A34, 7A28, 7A35)
- Fraction Wall.(Roll No: 7A19, 7A03,7A20)
- Conversion of world currencies into Indian rupees (Any 10 Countries)(Roll No: 7B20, 7A31)

SUBJECT: SCIENCE

1. DESIGN A DETAILED PERIODIC TABLE CHART: (ROLL NO: 1 TO 5)

That incorporates elements commonly found in everyday household and consumer products. This chart should highlight the various chemical elements that are present in items such as food, cleaning products, electronics, clothing, and personal care items. Each element should be linked to its practical application in daily life, providing a clear connection between chemistry and the products we use every day.

2. PREPARE YOUR OWN INDICATOR: (ROLL NO: 6 TO 10)

Aim: To prepare own indicator

Materials Needed:

- 1) Beetroots -2 or 3, 2) Knife, 3) Bowls, 4) Water, 5) Spoon, 6) Mixie, 7) Orange juice

Procedure:

- 1) Take the beetroots and peel them with the help of a knife. (Firstly, wash them).
- 2) Chop them into pieces.
- 3) Put those pieces into a mixie jar and make a paste.
- 4) Add some water to the paste. Now filter this and collect only juice from this.

3. WORKING MODEL OF WATER PURIFIER: (ROLL NO: 11 TO 14)

Materials Needed:

- 2-liter plastic bottle: Cut the bottle in half, creating two sections.
- Filter Materials:
 - Gravel: Large pebbles for the bottom layer, Sand: Fine and coarse sand for the middle layers.
 - Charcoal (activated charcoal is best): For removing impurities, Cotton: For the top layer.

4. CHROMATOGRAPHY EXPERIMENT: (ROLL NO: 15 TO 18)

Materials Needed: Coffee filter paper, markers, water, glass.

Procedure:

- Draw a line on the coffee filter with a marker.
- Place the filter in a glass with water just touching the edge of the filter.
- Observe how the ink separates as the water rises.

5. EARTHQUAKE ALARM: (ROLL NO: 19 TO 22)

Materials Needed:

- Small cardboard box (as a base), Metal strip (like a paper clip or wire)
- 9V battery, Buzzer or LED light
- Wires, Switch (optional)
- Tape or glue, Small spring or hanging weight (optional)

Procedure:

1. **Prepare the Base:** Use a cardboard box to mount all components.
2. **Create the Sensor:** Attach a metal strip so it hangs freely and can shake if there's any vibration, Place a second metal strip just below it (but not touching). This will act as a contact point.



3. **Wiring:**

- Connect one end of the hanging metal strip to the positive terminal of the battery.
- Connect the lower strip to one wire of the buzzer.
- Connect the other wire of the buzzer to the negative terminal of the battery.

4. **Test the Model:**

- When the box shakes (like in an earthquake), the metal strips touch.
- This completes the circuit and activates the buzzer or LED — **acting as an alarm.**

6. WORKING MODEL OF REFLECTION OF LIGHT: (ROLL NO: 23 TO 26)

Materials Needed:

- Plane mirror (small rectangular mirror)
- Cardboard or thermocol base
- Torch or laser pointer (safe low power)
- Protractor (or printed angle scale)
- White paper sheet
- Pencil & ruler
- Pins or straws (optional, for light path guide)

Procedure:

1. Fix a plane mirror vertically on a cardboard or thermocol base.
2. Draw a normal line (perpendicular) at the center point where light will hit.
3. Shine a torch or laser at an angle to the mirror — this is the incident ray.
4. Observe the reflected ray bouncing off on the opposite side.

7. WORKING MODEL OF HUMAN KIDNEY: (ROLL NO: 27 TO 30)

Materials Required:

1. Cardboard or thermocol sheet – for the base
2. Clay / sponge / colored paper – to shape the kidneys
3. Plastic tubes or straws – to represent blood vessels and ureter
4. Small bottles or containers – to show the bladder and urine output
5. Red and blue paint or markers – to color the renal artery (red) and vein (blue)
6. Glue or tape – to fix parts
7. Scissors or cutter – for shaping
8. Water (colored, optional) – to simulate blood and urine flow
9. Labels/flags – to mark parts like kidney, artery, vein, ureter, bladder
10. Funnel (optional) – to pour water easily into the model

Procedure:

- Take a cardboard or thermocol base to set up the model
- Cut kidney shapes from clay, sponge, or cardboard and color them red
- Fix two transparent pipes/tubes to represent the renal artery and renal vein.
- Attach another tube going from the kidney to a small container — this represents the ureter leading to the bladder.
- Pour colored water (to show blood/filtrate) into the artery pipe and observe how it flows through the kidney and out as urine via the ureter.

8. WORKING MODEL OF SERIES AND PARALLEL CIRCUIT: (ROLL NO: 31 TO 35)

Materials Needed:

- Battery (9V or AA cells with holder)
- Wires with crocodile clips
- Small bulbs or LEDs (2–4)
- Switch (optional)
- Cardboard or thermocol base
- Tape or glue

Procedure:

Series Circuit:

1. Fix the bulbs in a straight line on the base.
2. Connect the positive terminal of the battery to the first bulb, then to the second, and so on.
3. Connect the last bulb back to the negative terminal of the battery.
4. Switch on – all bulbs light up in sequence, and if one bulb fails, all go off.

Parallel Circuit:

1. Connect one wire from the positive terminal of the battery to all bulbs' positive sides.
2. Do the same for the negative terminal to all bulbs' negative sides.
3. Switch on – all bulbs glow independently.

9. GREENHOUSE EFFECT: (ROLL NO: 36 TO 40)

Materials Needed:

- 2 transparent bottles or jars
- 2 thermometers
- Cardboard or chart for background
- Plastic wrap or cling film
- Tape
- Table lamp or sunlight

Procedure:

1. Place a thermometer in each bottle.
2. Cover one bottle tightly with plastic wrap (greenhouse).
3. Leave the other open (control).
4. Place both under a lamp or in sunlight.
5. Observe: the covered one gets hotter — showing the greenhouse effect.

10. Transportation of Water in Plants (Capillary Action) (ROLL NO: 41 TO 44)

Objective:

To demonstrate how water is transported through plants, focusing on capillary action and how plants absorb and move water from the roots to the leaves.

Materials Needed:

- A plant with root (fresh, with long stems)
- Water
- Food colouring (preferably red or blue)
- A clear glass or jar
- Knife (for cutting the stem)
- A beaker or container of water

Procedure:

- Preparation:
- Fill a clear glass or jar with water.
- Add several drops of food colouring to the water and stir it well to ensure the colour mixes evenly.
- Cutting the Stem:
- Trim the stem of the white carnation or celery stalk under running water to avoid air entering the stem.
- Submerge the Stem:
- Place the cut end of the stem into the coloured water.

DAILY HOMEWORK:

Write about two medicinal plants daily with common name, botanical names and their medicinal uses.

SUBJECT: SOCIAL

1. Day and Night model

Create a simple day and night model using - A globe or a ball (to represent the Earth), A flashlight (to represent the Sun), A stand or something to hold the globe/ball. Explain the concept of rotation and how it causes day and night.

2. Investment plan-visit to bank & post office

This model and chart visually demonstrate **investment plans** offered by both banks and postal services. It helps explain the process of investing, required documents, and benefits, providing a clear and educational overview of the available investment options. Students need to visit the bank, take photos of it, and then file them.

3. Sanctuaries and National parks in India;

Collect images of sanctuaries and national parks in India that provide a visual and informative representation of these areas, highlighting their geographical features, wildlife, and ecosystems. These images showcase the importance of conservation and emphasize the rich biodiversity found within these protected areas. (using cardboard).

4. Fundamental rights of Indian constitution model:

Creating Models of Fundamental Rights from the Indian Constitution Using Cardboard, Printed Images, Clay Models, or Miniatures. To effectively represent each of the Fundamental Rights of the Indian Constitution, you can create separate models for each right using materials such as cardboard, printed images, clay models, and miniatures.

5. Model of Judiciary system of India:

Create a model which illustrate the **Judiciary System of India** and shows how it is structured, from the **Supreme Court to Subordinate Courts**. Divide the board into **3 key sections** of the Indian judiciary: 1. **Supreme Court of India** (top level) 2. **High Courts** (state-level courts) 3. **Subordinate Courts** (local courts, e.g., family courts, small claims courts)

6. Heroes of freedom

Cut the cardboard into a large round shape. Place cut-outs or models of our freedom heroes on top of the cardboard using additional pieces of cardboard. Arrange and place pictures of each hero in their respective sections. You can print small images of these leaders or use drawings. Stick the images onto the round cardboard in the appropriate sections. Collect information about each hero and add brief descriptions next to their pictures to provide context about their contributions.

7. Human evolution:

Create a video that illustrates the evolution of humans, from hunter-gatherer societies to the establishment of kingdoms.

Daily activities

Make a scrap book or booklet with colour papers or chart – collect all the technical terms related to social science from your text book

SUBJECT: HINDI

WORKING MODEL

Make a working model for **change the plural form** in Hindi

Note : School reopening date will be informed through SMS

Kate V

PRINCIPAL