

S.P.A.R.K

SEARCH, PONDER, ANALYSE, READ & KNOW



**"IGNITING THE CURIOUS MINDS OF
DIPSITES THROUGH MEANINGFUL
READING, THOUGHTFUL RESEARCH,
AND JOYFUL DISCOVERY."**

DPS GREATER FARIDABAD

**HOLIDAY ASSIGNMENT
(SUMMER BREAK 2025)**

NAME: _____
CLASS V SECTION _____

“Learning is a journey that continues even through the warmth of summer, nurturing curiosity, creativity, and joy.”

As the joyful summer break approaches, we are pleased to share the Holiday Assignment.

It has been thoughtfully designed in accordance with the vision of the National Education Policy (NEP) 2020, ensuring a balanced blend of learning, creativity, and relaxation. The activities are curated to encourage children to explore independently, develop critical thinking, and engage meaningfully with the world around them.

Keeping the core principles of Research-Based Exploration and emphasis on Reading Enrichment the holiday assignment aims to make learning joyful, experiential and holistic.



A Summer Song

***Summer is here with skies so blue,
A time to rest, and learn things new.
With books in hand and thoughts so bright,
Explore, imagine, take your flight.
Discover facts, connect each part,
Read with joy and open your heart.
Let learning bloom in every way,
Even as you laugh and play!***



The holiday assignment is divided into three engaging parts:

Part 1 – Research-Based Exploration

This section aims to spark curiosity and develop independent learning skills. Students will explore a given topic, gather information, and present it creatively.



Part 2 – Reading Enrichment

To enhance reading habits and comprehension, students are expected to read the material provided through the link shared after each subject-based Reading Enrichment. To reinforce their understanding they must complete the Reflection Sheet provided at the end of this Holiday Assignment Booklet.



Part 3 – Project-Based Application

This section encourages Dipsites to apply their understanding of real-world issues through a hands-on learning experience. Through the project “Model Making: Understanding Climate Change”, students will explore and represent the causes, effects, and solutions of climate change using scientific and social science perspectives.

Dipsites must submit their Assignments on the following dates:

English -07.07.25

Hindi-08.07.25

Science-02.07.25

S.sc & Art- 03.07.25

Math & Integrated Project-09.07.25



❖ Computer Science and Third Language PT 1 syllabus must be thoroughly revised. There would be a revision test based on the syllabus during the very first class after Summer Vacations.



Inspiration can find you anywhere—it is all around us. For this project, choose any one famous personality who has inspired you or millions of others through their life and work. This summer, let's walk a mile in a famous personality's shoes. Let's learn more about their life, their struggles and their contribution to society.

Instructions:

1. Choose any one famous personality from the list below:

Dr. A.P.J. Abdul Kalam

Sudha Murthy

Kalpana Chawla

Rani Lakshmi Bai



2. Research about their life using storybooks, internet, magazines, or newspapers. Focus on the following:

- Birthplace and childhood
- Special achievements and contributions
- Challenges faced
- Their message or life lesson

3. Creative Presentation:

Roll no- 1 to 10-

Bio-Sketch Poster: Represent your chosen personality's life journey in the form of a poster. Include drawings, fun facts, quotes, and a timeline of key events.

Roll no - 11 to 20-

Story Time Booklet: Write a short story imagining a day spent with the personality on a light coloured A4 size sheet. You may decorate and illustrate it as per your choice.

Roll no: - 21 Onwards-

Diary Entry: Pretend to be that person and write a diary entry on an important day in their life on a light coloured A4 size sheet. You may decorate and illustrate it as per your choice.

Skills Enhanced:

- Research & Inquiry
- Creative Expression
- Vocabulary Building
- Artistic Presentation

Part 2 – Reading Enrichment

Summer Reading Challenge: Explore the Earth Through Stories!

Hey young eco-champions!

As you head into your summer vacation, here's a fun challenge for you – travel the world, meet amazing characters, and discover how YOU can help protect our beautiful planet... all through the magic of books!



We've handpicked some exciting and meaningful stories that talk about trees, animals, forests, recycling, and our changing climate. These books are full of adventure, creativity, and powerful messages that will inspire you to care more deeply for the Earth: -

1. **So, You Want to Know About the Environment** by Bijal Vachharajani

2. **The Six Spell makers of Sorabji Street** by Shabnam Minwalla

3. **Jadav and the Tree-Place** by Vinayak Varma

Let's use this summer to become Earth-friendly readers and thinkers. Are you ready to read, learn, and grow like a forest? **Take some time to read up and refresh your memory!**

Happy reading and happy holidays!



Part 1 – Research-Based Exploration

असाइनमेंट का शीर्षक: “एक वस्तु की रहस्यमयी कहानी”

उद्देश्य:

छात्रों में अवलोकन शक्ति, रचनात्मक सोच और वर्णनात्मक लेखन कौशल को प्रोत्साहित करना।

कार्य:

- किसी भी घरेलू वस्तु को चुनें (जैसे – एक कप, छाता, अलार्म घड़ी, स्कूल बैग)।
- उस वस्तु की उत्पत्ति, इतिहास, आविष्कारक और समय के साथ उसमें हुए परिवर्तनों के बारे में शोध करें।
- अब “एक [चुनी हुई वस्तु] की रहस्यमयी कहानी” शीर्षक से एक प्रथम पुरुष (first-person) कहानी लिखें, जिसमें वह वस्तु खुद अपनी रोमांचक यात्राओं, मालिकों और समय के साथ आए परिवर्तनों के बारे में बात करती है।

परिणाम:

वास्तविक शोध और कल्पनाशील लेखन का सुंदर मिश्रण – एक छोटी सी रोचक कहानी।

Part 2 – Reading Enrichment

पठन हेतु -

1) गुल्ली डंडा

<https://drive.google.com/file/d/1kxnr9cSeUyQA2jnhKW8MJG8Z8yWI5nX/view?usp=sharing>

ऑडियो-विजुअल संसाधन- <https://youtu.be/wl6iDIQyNPE?si=YugNpWPWTaZq5lqs>



2) नादान दोस्त <https://drive.google.com/file/d/1tRoFXkx0Ujj7sVywsW9BcAD6U7qStkyG/view?usp=sharing>

ऑडियो-विजुअल संसाधन- <https://youtu.be/w44TMzEbgUA?si=itv-CfLmXP-flYaO>

अधिगम उद्देश्य - पाठ पढ़ने और उस पर गतिविधि करने का उद्देश्य छात्रों में वाचन क्षमता, विश्लेषणात्मक सोच, सृजनात्मकता और मूल्य आधारित शिक्षा को बढ़ावा देना है। यह छात्रों को न केवल शैक्षिक दृष्टिकोण से बल्कि जीवन के विभिन्न पहलुओं में भी समृद्ध बनाता है। इस गतिविधि के माध्यम से छात्र कृष्ण कथा को गहराई से समझते हुए पात्रों के स्वभाव, कार्यों और गुणों का विश्लेषण करना सीखेंगे।



Part 1 – Research-Based Exploration

Sports Stats Comparison

Activity: Explore big numbers in sports.

Instructions:

- Research the total career runs of 5 Indian famous cricketers.
- Write the numbers in both (Indian and International number systems).
- Create a mini report: “Top 5 Record Holders in cricket – By the Numbers”
- Paste pictures of these famous cricketers

Materials: A4 sheet, colours

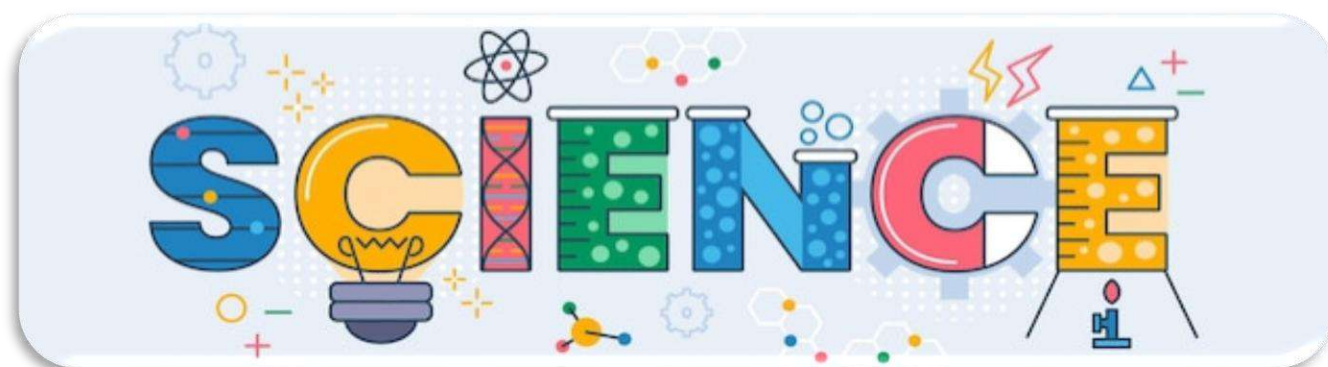
Part 2 – Logical Thinking Enrichment

Attached engaging and thought-provoking worksheets will sharpen critical thinking, enhance problem-solving skills, and strengthen analytical ability through engaging and thought-provoking.

The worksheet will be discussed after summer break. Kindly write the correct answers in Maths notebook.

Link-

https://drive.google.com/file/d/1FRNaMh7Q7VKwelezD6uYf1pooZKbWWDM/view?usp=drive_link



Part 1 – Research-Based Exploration

I. TOPIC: Safety and First Aid (Roll No 1-10)

Objective: To help students understand the importance of safety rules and learn the basics of giving first aid during emergencies.

Observation Task

Be a Young Health Researcher!

Instructions:

Imagine you're a young doctor or health researcher preparing a safety guide for kids of your age. Create a visual and written presentation (A4 sheet or chart paper) on the following:

1. Research & List 3 Common Accident Scenarios

You may use books, websites (with parent supervision), or talk to elders. Choose **any three** real-life situations (home, school, or playground). For each, explain:

- i. What happened? (e.g., slipping on a wet floor)
- ii. What causes such accidents?
- iii. How can it be prevented?
- iv. What first aid can be given?

2. Voices from the Past – An Interview Task

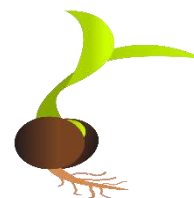
Topic: When My Family Used First Aid

Instructions:

Talk to your **parents or grandparents** and find out:

- Have they ever used or received first aid?
- What happened and how was first aid helpful?

Write a **short paragraph (4–5 sentences)** on an A4 sheet summarizing the incident. You may also include a small drawing or photo (optional).



II. TOPIC: Plants: Seed Dispersal (Roll no 11-20)

Objective: To explore how and why seeds travel to different places and how this helps plants grow and survive in nature.

Observation Task

Become a Seed Detective!

You are now a **Seed Detective!** Your mission is to find out how different seeds travel far and wide. This helps plants grow in new places and prevents crowding.

1. Observation and Collection

Collect OR closely observe 2–3 different seeds around your house, garden or park (e.g., mango, gulmohar, dandelion or grass).

You may paste the real seeds (if available), or **draw/sketch/print pictures** of them on an A4 size sheet.

2. Explore and Record

For each seed:

- i. **Name of the seed / plant**
- ii. **Draw or paste picture**
- iii. **Shape and size of the seed** (round, flat, hairy, winged, etc.)
- iv. **Your guess: How does it travel?**

Choose from these methods:

- **By wind**
- **By water**
- **By animals/humans**
- **By explosion (bursting pods)**

Why do you think so?

III. TOPIC: Plants: Vegetative Propagation (Roll No 21 onwards)



Objective: To help students understand how new plants can grow from different parts of a parent plant like roots, stems, and leaves.

Become a Plant Scientist!

You are now a **Young Botanist** exploring how plants can magically grow without seeds! This special way is called **vegetative propagation**.

1: Explore and Discover 4 Plants

Use books, guided internet search with parental help. Identify **4 different plants** that grow through **vegetative propagation**. Fill in the Discovery Table (on an A4 size sheet)

For each plant, answer the following:

 Plant Name	 Part Used (Root / Stem / Leaf / Bulb / Tuber)	 How It Grows into a New Plant	 Picture or Drawing
e.g., Potato	Tuber	Eyes on the potato sprout new shoots	(Draw or paste)

Encourage children to **highlight unique features** – like onion bulbs forming layers, or how money plant stems root in water.

2. Choose one plant from your list. Do a mini research project:

- What conditions does it need to grow well (sunlight, water, soil)?
- Can it grow in water or only in soil?
- Why is this method useful for farmers and gardeners?

 Write 5 lines in your own words on the same A4 sheet or a separate one.

Part 2 – Reading Enrichment

Topics for reading : Steps of Agriculture :https://drive.google.com/file/d/1-GRcktjAGG9y8v_JQn5764qFBfgFRD7K/view?usp=drive_link

Force , Work and Energy

https://drive.google.com/file/d/1DP6hcMuUuKx1F_CcBEJL8ZCdPhseuRR9/view?usp=drive_link



Part 1 – Research-Based Exploration

Topic: How Technology Has Changed the Means of Communication

Objective:

To help students understand and creatively express how communication methods have evolved – from letters to instant messaging – through a fun and imaginative comic strip!



Instructions:

Research: Investigate the historical progression of communication methods. Consider various forms such as letters, telephones, emails, and social media.

Reflect on the advantages and disadvantages associated with these advancements.

Comic Strip Creation: Title Your Comic Strip:

Give your comic a catchy title like "Then & Now", "The Talking Timeline", or create your own!

Choose Your Characters:

You can use people, animals, robots, or even talking gadgets as your comic characters.

Storyline Tips: Create a comic strip that illustrates the journey of communication from the past to the present. You can include characters, dialogues, and scenes that depict various forms of communication. Your comic should show how people used to communicate in the past and how they do it today. You can create a short story with scenes like:

- A child writing a letter to a friend in the past.
- A grandparent talking about trunk calls.
- Kids using mobile phones or video calls today.
- Be original! Use humour, imagination or real-life situations to make your comic strip interesting.

Comic Strip Format:

- Can be hand-drawn or created digitally using free tools like Canva, Pixton.

- Use 6–8 boxes or panels to tell your story.
- Each box should include your character, speech bubble, captions and illustrations.
- Use coloured pencils, crayons, or markers and creative layouts to make your comic strip engaging and fun.
- Keep it colourful, neat and readable.

Materials:

You may use:

A4 sheet, colours, pencil etc.

Digital tools (Canva, Pixton, etc.) if you prefer to create it online

Submit your comic either as a hard copy or email it to your respective social science teacher.

Write your name, class and roll number on the back or first page.

Presentation:

Be prepared to present your comic strip to the class after the holidays. Explain the different forms of communication you included and your thoughts on how technology has impacted them.

What should Be Kept in Mind:

- Creativity and originality 🎨
- Clarity of the message 🗣️
- Neatness and effort 🌟
- Use of colours and expressions
- Relevance to the theme 📖

Bonus:

Top 3 comics will be shared in the school magazine!

Let your imagination run wild and tell a story that travels through time!

SOME REFERENCES (DON'T COPY)



Part 2 – Reading Enrichment

Read from the link given below

Link-

<https://drive.google.com/file/d/19rVQxYZhOPXb3CSUh95GGoSK9k5iEwfM/view?usp=sharing>



Celebrating Indian Folk Art

India is a land of diverse cultures, and its rich heritage is beautifully reflected in its traditional folk-art forms. These art styles are not only vibrant and expressive but also deeply rooted in the history and daily lives of various communities across the country.

Task:

Students are encouraged to explore and recreate any Indian folk-art form of their choice – such as Madhubani, Warli, Gond, Pattachitra, or Kalamkari – on an A3-sized sheet.

Let your imagination flow as you experiment with patterns, motifs, and traditional elements that make Indian folk art unique. This is your chance to appreciate the beauty of our artistic legacy and express your creativity!

PROJECT BASED APPLICATION- CLIMATE CHANGE

MODEL MAKING- To explore the causes, effects, and solutions of climate change through a hands-on project.

Learning Objectives

By the end of this project, students will be able to:

- Explain the scientific causes and mechanisms of climate change, including the greenhouse effect and global warming.
- Identify the environmental impacts of climate change on ecosystems, weather patterns, and biodiversity.
- Demonstrate simple scientific concepts through experiments or models related to climate change.

Task: Design a Working or Non-working Model on Climate Change

Choose any one theme from the list below and create a model. Your model can be working (with simple mechanisms, circuits, sensors, etc.) or non-working (static representation using craft materials).

Model Themes (Choose One):

1. Greenhouse Effect Simulation
 - Show how gases trap heat inside Earth's atmosphere.
 - Use transparent boxes, thermometers, lamps, etc.
2. Renewable vs Non-renewable Energy
 - Compare solar, wind, hydro power with fossil fuels.
 - Use mini fans, solar cells (optional), charts.
3. Carbon Footprint Tracker
 - Build a model representing household emissions and how to reduce them.
 - Use recyclable materials to show "green choices."
4. Smart Eco City
 - Create a city layout with green buildings, solar panels, electric transport, etc.
 - Can include LEDs, mini motors, and labels.

5. Climate Action

- Show the impact of human activities over decades.
- Include forest clearing, industrialization, and future scenarios.

Guidelines:

- Materials: Recycled or eco-friendly materials preferred.
- Labelling: All parts of the model must be clearly labelled.
- Explanation Sheet: Submit a short write-up (100–150 words) explaining your model and how it relates to climate change.

LINKS AND PICTURE FOR REFERENCE:

<https://youtu.be/QFAqRCyd-Vo?si=h0sBvyghW-xMjqeA>

<https://youtu.be/A7IqIumA98w?si=2Z4vuQa1mPOuM1f8>





Let's reflect on what we read during this vacation

English

Which part of the book made you stop and think? Why?

Hindi

कहानी के दो प्रमुख पात्रों के नाम लिखिए। यदि आप मुख्य भूमिका में लड़के की जगह होते, तो पक्षी के अंडे देखकर आप कैसे व्यवहार करते?

Science

Give one example each of potential energy, mechanical energy, and sound energy as mentioned in the reading material Link.

Social Science

Who was the first ruler to invade India during the medieval period, and which country did he belong to?

As you take a well-deserved break, dear Dipsites, remember to take good care of yourselves. Use this time to relax, rejuvenate, and refresh your body and mind. If you're travelling or spending quality time with your family, don't forget to capture the memories – gather stories, moments, and little incidents that make you smile. We look forward to hearing your stories when you return. Happy Holidays!

