KENDRIYA VIDYALAYA AFS PHALODI

AUTUMN BREAK HOMEWORK

CLASS:-6

ENGLISH

Instructions: Create your own newspaper using 5 A4-size sheets. Give it a unique newspaper name, write short articles, add headlines and draw or paste suitable pictures.

PAGE 1: FRONT PAGE

Design the front page of your newspaper.

- Give your newspaper a unique name.
- Write the date and your name as the editor.
- Create one interesting headline.
- Draw or paste a picture related to your headline.

PAGE 2: NEWS REPORT

Imagine that a cleanliness drive was organised in your school.

Write a news report of **80–100 words** covering:

- What happened?
- Where and when was it organised?
- Who participated?
- What was the result?

Give your report an attractive headline.

PAGE 3: ENVIRONMENT CORNER

Write a short article of **80–100 words** on:

"Save Trees, Save Life"

Explain why trees are important and mention three ways children can protect the environment. Add a drawing.

PAGE 4: INTERVIEW CORNER

Imagine you are a reporter interviewing your favourite sportsperson, teacher or family member.

Write **five questions and their answers**.

Example:

- **Reporter:** What is your favourite hobby?
- **Guest:** My favourite hobby is reading books.

PAGE 5: FUN AND CREATIVITY

Complete these three activities:

A. Advertisement: Create an advertisement for a new school bag, water bottle or pencil box. Add a slogan.

B. Word Puzzle: Write five pairs of synonyms and five pairs of antonyms.

C. Thought of the Day: Write an inspiring thought and explain its meaning in 2–3 sentences.

GUIDELINES

1. Use only 5 A4-size sheets.
2. Arrange the pages neatly like a real newspaper.
3. Use columns, headlines, borders and illustrations.
4. Write in your own words using simple and correct English.
5. You may use imaginary events for your news report.
6. Keep your newspaper attractive, informative and easy to read.

Social Science

Topic: Governance

Complete the following competency-based activities in a scrapbook using A4-size sheets over 10 days.

1. Write the names of the three organs of government and explain how each helps in running the country.

2. Draw a flowchart showing the Local, State and Central Governments. Write one example of a problem handled by each level.

3. Paste pictures of the President, Prime Minister and Chief Minister. Write their designations and one important responsibility of each.

4. Imagine that your locality has dirty streets and overflowing dustbins. Identify which local authority should address the problem and suggest two solutions.

5. Write 80–100 words on "Why Is Government Necessary in Our Daily Life?" Give at least two examples from your surroundings.

हिंदी

1. मेरे शब्द मेरा खजाना से 10 शब्द प्रतिदिन सुंदर लिखाई में लिखें तथा उनका वाक्यों में प्रयोग करें और अभिभावकों को सुनाएँ।

(लेखन एवं रचनात्मक कौशल)

2. क्रिया व उसके भेदों का चार्ट बनाएँ। साथ ही क्रियाओं को प्रकट करने वाले भावों का भी सुंदर प्रदर्शन करें।

(रचनात्मक कौशल)

3. कोई दस मुहावरे या लोकोक्तियाँ चित्र द्वारा प्रदर्शित कीजिए। वाक्य-प्रयोग भी करें।

(रचनात्मक एवं क्रियात्मक कौशल)

4. पाठ 9 से 13 तक के पाठों और रचनाकारों के नाम की तालिका बनाएँ।

(लेखन एवं अवबोध कौशल)

5. पाठ्यपुस्तक में (पाठ 9-13) से कोई एक कविता याद करें।

(अधिगम-अभ्यास)

संस्कत

1. पाँचों लकारों के संक्षिप्त धातु-रूप लिखकर याद करें।

(लेखन व अवबोध कौशल)

2. क्रियापद व हिंदी अर्थ का चार्ट बनाएँ।

(रचनात्मक कौशल)

3. बालक, बालिका व फलम् शब्दों की तरह राम, रमा व पुष्प शब्दों के रूप लिखें व याद करें।

(अवबोध व क्रियात्मक कौशल

4. संस्कृत अव्यय शब्दों का सचित्र प्रस्तुतीकरण करें। (कोई दस शब्द)

(रचनात्मक व क्रियात्मक कौशल)

SCIENCE

Activity 1

The Story: While cleaning the attic, Rohan finds an old, dusty glass tube with shiny silver liquid inside. His grandfather says, “Ah, that’s my old clinical thermometer!” Rohan says, “But Grandpa, the one we use now is made of plastic, beeps, and has a digital screen. Why did people stop using the shiny liquid ones?”

The Task: What is the scientific name of that shiny silver liquid? Give two strong scientific reasons why traditional glass thermometers are being replaced by digital ones in modern homes.

Activity 2

The “101 Degree” Panic (Concept: Scales of Temperature)

The Story: Rahul was on a video call with his cousin, Sam, who lives in New York. Sam looked tired and said, “I can’t go out to play today; I have a terrible fever. My temperature is 101 degrees!” Rahul panicked. He remembered his science teacher saying that water starts boiling at 100 degrees Celsius! He yelled, “Sam, go to the hospital right now, your blood is going to boil!”

The Task: As a smart Class 6 science student, write a short message to Rahul explaining why he shouldn’t panic. What important “unit” of temperature measurement did Sam forget to mention, and how is it different from the scale Rahul is thinking about?

Activity 3

Self-Study & Reflection Task: Read and learn Chapter 8 (A Journey through States of Water) from your new NCERT Curiosity textbook at your own pace and write a short paragraph in 50 words about what you found most interesting in the chapter.

Activity 4

Prepare one working Science model using low-cost, biodegradable, or recyclable household materials (Strictly NO Thermocol) and bring it to school after the Autumn Break.

(Suggested themes: Working Model of Lungs, Water Filtration System, Simple Electric Circuit, Periscope, or Rainwater Harvesting, volcano etc.).

MATHEMATICS

Activity 1

The Canteen Bill (Decimals)

During the recess, three friends go to the KV school canteen. Amit buys a vegetable puff for ₹12.50, Sunita buys a fruit juice for ₹15.75, and Rohan buys a packet of biscuits for ₹10.25.

1. What is the total cost of all three items?

2. If Sunita hands a ₹50 note to the canteen uncle to pay for everyone, how much change should she get back?

3. Convert the total amount spent into paise.

Activity 2

The Traffic Light Mystery (Multiples & LCM)

There are three traffic lights on the road outside the Air Force Station. The first light changes every 20 seconds, the second changes every 30 seconds, and the third changes every 40 seconds.

1. If all three lights turn green together exactly at 8:00 AM, after how many seconds will they all turn green together again?

2. Convert that time from seconds into minutes.

3. At what exact time (in AM) will they flash together next?

Activity 3

The Recipe Master (Ratio and Proportion)

You are helping make lemonade for a family get-together. The perfect recipe requires a ratio of 2 cups of lemon juice to 5 cups of water.

1. If you use 6 cups of lemon juice, how many cups of water will you need to keep the same taste?

2. If your jug can only hold 35 cups of liquid in total, how many cups of lemon juice and how many cups of water should you mix to fill the jug perfectly while maintaining the ratio?

Activity 4

The Wire Bending Story (Perimeter and Area)

A magician takes a magical glowing copper wire that is exactly 60 cm long.

1. First, he bends the entire wire to form a perfect square. What is the length of one side of this square? What is its area?

2. Next, he straightens it out and bends the exact same wire into a rectangle with a length of 20 cm. What must be the breadth of this rectangle? What is its area now?

Activity 5

The Junior Architect (Perimeter and Area)

Use a measuring tape to measure the floor of your bedroom in meters (round off to the nearest whole meter).

1. Calculate the Perimeter of your bedroom.

2. Calculate the Area of your bedroom floor.

3. Critical Thinking: If you want to put a decorative border tape along the bottom edge of the walls (skirting), will you use the Area or the Perimeter to buy the tape? How many meters of tape will you need?

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Autumn Break Homework

Class – VI

Small Steps Build Big Skills

Project Name: "Maker Skills – Machines Around Us"

Let's explore, observe, create and learn!

About the Project

In this project, you will make a simple toy using waste/recycled materials, identify simple machines in everyday life and explore a bicycle. You will learn how machines make our work easier and how materials can be reused to create something useful and creative.

Learning Objectives

- To understand the concept of simple machines.
- To make a toy using waste materials.
- To observe simple machines around us.
- To develop creativity, problem-solving and teamwork skills.
- To promote the habit of reusing materials and caring for the environment.

Part A – Make Your Own Toy

Choose any ONE of the following models and make a working toy using waste or recyclable materials.



1 Rubber-Band Powered Car

Materials: cardboard, 4 bottle caps, 2 straws, 2 skewers/axles, rubber band, tape and glue.

Task: Make a small car that moves using the stored energy of a twisted rubber band. Test it and see how far it goes.



2 Balloon Powered Car

Materials: cardboard, bottle caps, straws, axles, balloon, tape.

Task: Make a car that moves when air escapes from the balloon. Observe how the direction of the escaping air affects movement.



3 Windmill or Pinwheel

Materials: old coloured paper, straw/stick, tape and a paper fastener.

Task: Make a pinwheel and observe how moving air turns its blades. Do not use an electric fan near the model.

Instructions for the Model

1. Collect safe, reusable materials available at home.
2. Draw a labelled diagram of your proposed toy before making it.
3. Construct the model with help from an adult wherever needed.
4. Test the model at least three times.
5. Record what happened during each test.
6. Bring the model to school after the autumn break.

Remember: Do not use knives, cutters or sharp tools without adult supervision.

Part B – Simple Machines Around Us

Observe objects in your home, school or neighbourhood. Complete the table given below.

S. No.	Object	Type of simple machine	How does it help us?
1	Knife	Wedge	Helps cut food
2	Seesaw	Lever	Helps lift or balance a person
3	Ramp	Inclined plane	Helps move objects to a higher level
4	Doorknob	Wheel and axle	Helps open a door
5	Flagpole pulley	Pulley	Helps raise a flag
6	Screw	Screw	Helps fasten objects

- **Write five more examples of your own.**
- **Draw or paste pictures of any three objects and label the simple machine in each.**

Part C – Explore a Bicycle

Draw a bicycle and label at least six parts. Complete the table and answer the questions given.

Bicycle part	Function
Handlebar	Helps steer the bicycle
Pedals	Help move the bicycle
Chain	Transfers movement from pedals to the rear wheel
Wheels	Help the bicycle move
Brakes	Help slow down or stop the bicycle
Seat	Supports the rider



Answer these questions:

1. Why should we check the brakes before riding a bicycle?
2. What may happen if the chain becomes loose?
3. Why should tyres have sufficient air?
4. How can cleaning and maintenance help a bicycle?
5. Which parts would you like to understand better, and why?

Part D – My Toy Testing Record

After testing your model, fill in the details.

Test	What did I observe?
First test	
Second test	
Third test	

Write short answers:

- What worked well in my model?
- What problem did I face?
- What change did I make to improve it?
- Which materials did you reuse instead of throwing away?
- What did you learn about machines by making this toy?

How to Prepare the Project File

1. Cover page – name, class, section, roll number and subject.
2. Project title and objectives.
3. Drawing of the chosen toy with labelled parts.
4. Materials required and steps followed.
5. Photographs or drawings of the model-making process.
6. Simple Machines Around Us observation table.
7. Bicycle drawing, parts and their functions.
8. Toy testing record and reflection.
9. Conclusion: What new skill did I learn?

Important Instructions

- Use recycled materials wherever possible.
- Do not purchase expensive materials.
- Do not dismantle or repair a bicycle independently.
- Keep the project neat, original and well labelled.
- Submit the completed project on the first working day after the autumn break.

Be Creative... Be Curious... Make a Difference!