

**LK SINGHANIA EDUCATION CENTRE
GOTAN**



HOLIDAY ASSIGNMENT

SESSION : 2026-27

CLASS - VII

**“Climb every mountain, ford every stream,
Follow every rainbow, till you find your dream.”**

Dear Students,

Wishing you a happy and blessed summer time!

You are the torch bearers of change. Put in your sincere efforts and do some unique and creative work for the society. The tiny efforts of each soul are the remarks of gratitude to Nature.

The entire team of LKSEC teachers has put all will and might in designing “The Holiday Assignment”, where certain aspects are kept in mind like use of technology, wise use of paper and resources from surroundings. Put your shoulder to the wheel in making the projects creative, attractive and cost effective with appropriate information.

While preparing the assignment, keep in mind following points:

- 1. All the assignments should be original.**
- 2. Use technology wisely and correctly.**
- 3. Values and virtues bring enrichment in bonds among members of the family. So, as a piece of advice, involve your parents in the process.**
- 4. Use poster colours, sketch pens etc.**
- 5. Grammatical accuracy also carries weightage.**
- 6. Sincere and honest efforts will be appreciated.**
- 7. The cover page must include details like student’s name, class and section, subject and name of the teacher it is to be submitted to.**

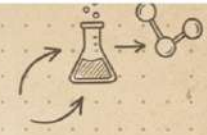
Make this summer special, innovative and enthralling.

Educationally Yours,

**R C Joshi
Principal**



SUB - SCIENCE
CLASS – VII



pH 1 - Acidic →
 pH 7 - Neutral →
 pH 14 - Basic

← pH 1 - Acidic
 ← pH 7 - Neutral
 ← pH 14 - Basic



The pH Field Guide

A Class VII Scrapbook Expedition into Acids, Bases & Neutrals

CONFIDENTIAL: Junior Researchers Only



Your Mission
 Select and complete exactly **TWO** of the five available missions in your official scrapbook file.

Required Gear

Creative layout	Photos
Diagrams	Careful observations

CAUTION CAUTION

Protocol
 All missions must be executed **safely**!! under adult supervision.

The Diagnostic Cheat Sheet

	Acids	Neutrals	Bases
Taste Profile	Sour / Tart	Varies (often tasteless/salty/sweet)	Bitter
Touch & Texture	Watery / Squeaky	Standard liquid/solid feel	Slippery / Soapy
Indicator Reaction (Litmus)	Turns Blue Litmus Red	No change	Turns Red Litmus Blue
Everyday Locations	Citrus fruits, vinegar, stomach	Pure water, table salt	Cleaning supplies, medicines

Use these clues to solve the mystery substances in your missions!

Mission 1: The Kitchen Investigation

Raid your kitchen to classify 15 mystery substances based on sensory clues.

Is it sour?
Probably an **Acid!**
(e.g., Lemon)

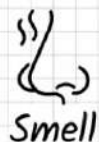
Is it slippery?
Probably a **Base!**
(e.g., Baking Soda mixed with water)



Taste



Feel



Smell



Your Scrapbook Task:
Create a master table logging your 15 items, the clue you used, and your final verdict (Acid, Base, or Neutral).

© Notebook

Mission 2: Make Your Own Indicator Lab

1.



Crush Turmeric or Hibiscus/China Rose petals.

2.



Mix with warm water to extract the chemical.

3.



Filter the solution to get your Natural Indicator liquid.



Your Scrapbook Task: Test at least 8 household substances and build an Observation Table (Substance -> Indicator Used -> Color Change -> Nature).

© Notebook

Decoding Chemical Reactions



Acid = No Color Change.



Base = Turns Deep Red.



Indicators are nature's spyglasses. They change their molecular shape—and their color—when they meet a strong base or acid.

Mission 3: Medicine Cabinet X-Ray



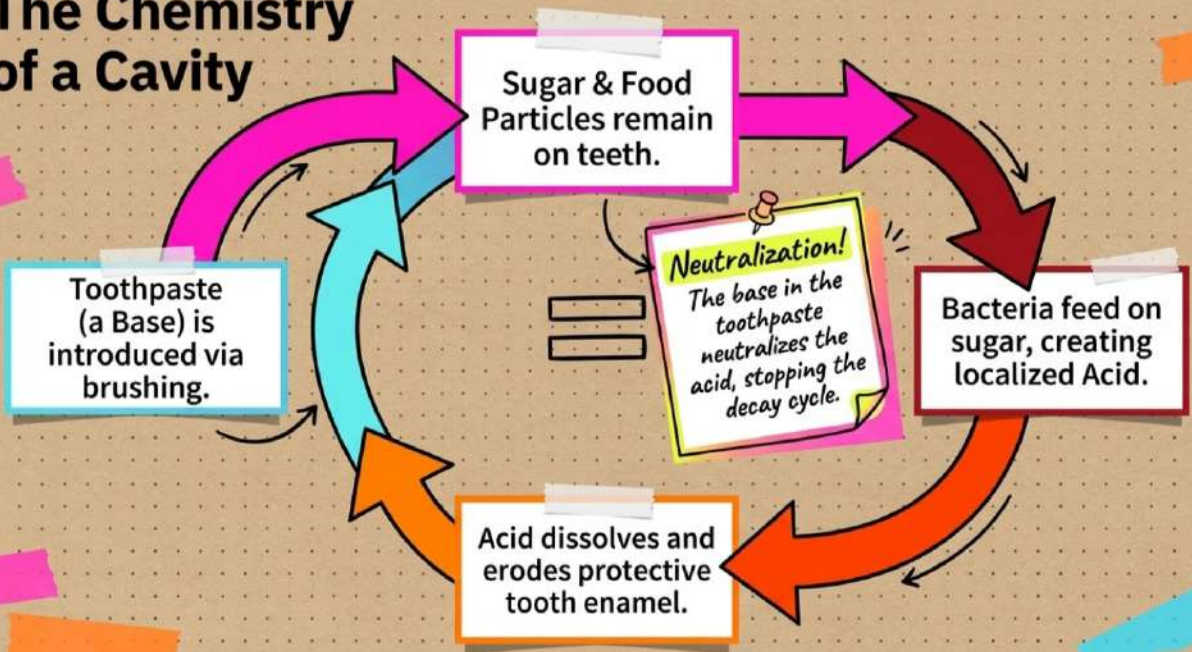
Target:
Stomach Acid.
Nature: Base.

Target:
Plaque Acid.
Nature: Base.

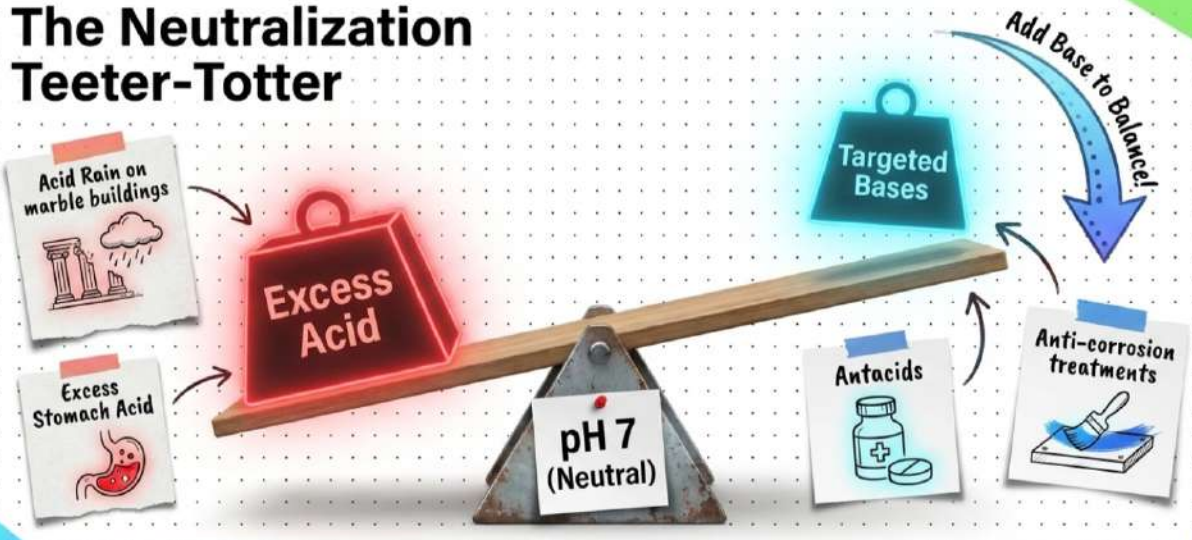
Target: Dirt & Oils.
Nature: Varies ?
(Check the label!)

Your Scrapbook Task:
Log the label data for these 4 products.
Why are they used?
Are they acidic or basic?

The Chemistry of a Cavity



The Neutralization Teeter-Totter



When acids destroy (rain on buildings) or cause pain (in the stomach), science uses bases as counter-weights to restore perfect balance.

Mission 4: The Awareness Moodboard

1.



Safe Use of Household Chemicals

Include a Catchy Slogan!

2.



Acids and Bases Around Us

Draw Custom Art!

3.



Say No to Acid Rain

Use Safety Symbols!

Show Real-Life Uses!

4.



Science in My Kitchen

Your Scrapbook Task:
Choose *ONE* topic above and design a full-page, vibrant poster combining *art and science*.

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Mission 5: The Soil Doctor Project

Highly Acidic Soil.

Before

After

Lime Treated Soil.

Nutrients are locked away by acid.

Lime (a Base) neutralizes the soil, freeing the nutrients.

Your Scrapbook Task:

Draw your own detailed cross-section comparing healthy vs. acidic soil, and explain why farmers must add lime to their fields.

© NotebookLM

Field Interview Framework

Target: A gardener, farmer, or experienced elder.

The Master Question: What exactly do plants need for healthy growth?

Data Collection:

1. _____
2. _____
3. _____

Pro-Tip: Don't just ask about water and sun! Ask them if they ever test their soil, or what they do if a plant suddenly stops growing.



© NotebookLM

SUB - ENGLISH

CLASS – VII

TASK 1: Verb Voyage ✨

1. Create Your Journal

Design a colorful journal titled “**Verb Voyage.**”

Divide it into these fun sections:

- 🌞 Morning Madness
- 🍽️ Lunchtime Laughs
- 🚤 River Rides
- 🌃 Evening Encounters
- 🌙 Reflections & Dreams

2. Collect Verbs

- Write **at least 10 verbs in each section**
- Total = **50+ unique verbs**

3. Show Verb Forms: For each verb, write:

- **V1** (Base): go
- **V2** (Past): went
- **V3** (Past Participle): gone
- **V4** (–ing form): going

TASK 2: Make a collage of Major Women authors of 19th century. Why women authors used to write with a ‘PEN NAME’? Find out one such author and write about her.

TASK 3 : BOOK REVIEW ASSIGNMENT

Read one of the books - ‘The Adventures of Tom Sawyer’/ ‘Tom Sawyer and Huckleberry Finn’ and write short notes about the author, characters, story and your opinion about the novel.

TASK 4 : Suggested movies you can watch during the summer holidays:

School of Rock / Journey to the Centre of the Earth / Gravity

Write summary of any one movie and identify:

- (i) Hero (ii) Heroine (iii) Villain (iv) The funniest character

SUB - MATHEMATICS

CLASS : VII

Objective: This homework follows the "Learning by Doing" concept. Use real-world objects and surveys to understand how squares, cubes, and their roots function in everyday life.

1. The survey

Concept: *Data collection*

The Activity: Collect the mobile number of at least 20 of your family members, friends or teachers.

Make a table of 3 columns and show the number of digits appearing in all the mobile numbers. Now answer the following questions -

Question:

1. Count the even and Odd mobile numbers.
2. Which digits appear the most in these numbers?
3. Mention the least appearing digits also.
4. Is there any digits which never appears in any of your collected mobile numbers.

2. The world of large numbers

Concept: *Visualizing the numbers in daily life*

The Activity: Collect a handful 10 numbers around you from books, news papers or your imagination. Give its description and number of digits in them separately. Write the number name in International number system.

3. The habit

Concept: *To identify the wastage of time in mobile call.*

The Activity: Make a table of 3 columns containing Date, day and the time in minutes (approximate) in first 10 calls per day (Incoming and outgoing both) on your personal mobile number for seven days.

The graph: make a pie chart or Bar graph on this data.

Question:

- How many hours you do dedicate on mobile calls in that week?
- In these calls, how many calls are spam calls?
- How many call are useful calls?
- Write the details of your Android or I-Phone with radiation value?
- Based on 7 day's data, calculate the average hours consumed in 1 year?
- If you are a boarder, calculate the time in hours saved while living a mobile-less life in hostel.
- What are the learning outcome of this survey?

3. The puzzle

Concept: *To show your creativity in mathematics*

The Activity: Create a sudoku of your own. Don't copy it from internet.

***"Mathematics is all about searching a pattern in
life, society, world and universe."***

SUB – COMPUTER SCIENCE
CLASS – VII

Assignment Title: A Day Without Computers

Task

Imagine one whole day without computers. Write a creative paragraph or diary entry describing how life would change at home, in school, and around the world.

ग्रीष्मकालीन अवकाश रचनात्मक कार्य

विषय - हिन्दी

कक्षा - सप्तम

1. पाठ-1 'माँ कह एक कहानी' कविता के आधार पर आप भी अपनी माँ, दादा-दादी या नाना-नानी से कोई कहानी सुनकर उसे अपने शब्दों में लिखिए।
2. गौतम बुद्ध का संक्षिप्त जीवन परिचय लिखिए ।

SUB : SOCIAL SCIENCE

CLASS : VII

General Instructions:


- ✓ Do the work in a neat and creative way.
- ✓ Use A4 size sheets or a scrapbook.
- ✓ Support your answers with drawings, maps, or printed pictures where possible.
- ✓ Submit your work on the first day after the holidays.

1. Civics: Democracy and Equality

Activity: Voice for All – Understanding Equality

Write a **short paragraph** (100–150 words) including:

- What equality means to you
- Examples of inequality you've seen or heard about (in school, in the news, etc.)
- How you think equality can be promoted in schools and society


 *Decorate the page with a quote or drawing related to equality and justice.*

2. Current Affairs Corner

Activity: Social Science in the News

Cut out or print **2 recent news articles** (from a newspaper or website) that relate to:

- **Environment** (e.g., pollution, climate change, conservation)
- **Governance** (e.g., elections, laws, government schemes)

 *Paste them and write 2–3 lines explaining what the article is about and why it's important.*