

Summer Fun Learning - 30 Day Plan for Class-8

Name: _____

Max Marks: 20

Instructions for Parents/Guardians:

- This is a flexible 30-day plan. Adjust activities based on your child's interests and learning pace.
- Encourage your child to complete one or two activities daily to maintain a balance between learning and fun.
- Provide support and encouragement, fostering independence in their work.
- Celebrate their learning journey throughout the summer!

Day 1: English - Parts of Speech Review & Application

- Write a short paragraph about your favorite book or movie. Identify and label at least five different parts of speech used in the paragraph.

Day 2: Math - Rational Numbers

- Solve the following:
 - $7-3+95=?$
 - $118\times 16-22=?$
 - $24-15\div 85=?$
- Write three properties of rational numbers.

Day 3: Hindi - संधि (Sandhi) - विसर्ग संधि (Visarg Sandhi)

- विसर्ग संधि की परिभाषा और उसके दो प्रमुख नियमों के एक-एक उदाहरण लिखिए।

Day 4: Science - Crop Production and Management

- Describe the different agricultural practices involved in crop production.
- What are the advantages and disadvantages of using fertilizers and pesticides?

Day 5: Social Studies - Resources

- Define the term "resource." Classify resources based on their origin, exhaustibility, and distribution with examples.

Day 6: Computer - Introduction to Python Programming (Basics)

- What is a programming language? Why is Python popular?
- Write a simple Python code to print "Hello, World!" on the screen. (If access to a computer is limited, write the conceptual steps).

Day 7: Craft - Creating a Mosaic Art Piece

- Use small pieces of colored paper, tiles, or beads to create a mosaic design on a cardboard base.

Day 8: English - Tenses - Past Perfect and Past Perfect Continuous

- Write five sentences in the past perfect tense and five sentences in the past perfect continuous tense, describing actions completed before a certain time in the past and actions that continued up to a point in the past.

Day 9: Math - Linear Equations in One Variable

- Solve the following equations:
 - $2x-7=15$
 - $3y+5=8$
 - $4(z+2)=20$

Day 10: Hindi - समास (Samas) - द्वंद्व और बहुव्रीहि समास

- द्वंद्व और बहुव्रीहि समास की परिभाषा और दो-दो उदाहरण लिखिए।

Day 11: Science - Microorganisms: Friend and Foe

- List five useful microorganisms and their applications.
- Describe two harmful effects of microorganisms on humans.

Day 12: Social Studies - Land, Soil, Water, Natural Vegetation and Wildlife Resources

- Explain the importance of soil conservation. List three methods of soil conservation.
- Write a short note on the importance of wildlife conservation.

Day 13: Computer - Conditional Statements in Python (if-else)

- Explain the concept of conditional statements in programming.
- Write a simple Python code using an `if-else` statement to check if a number is even or odd. (Conceptual steps if no computer access).

Day 14: Craft - Tie-Dye or Batik Art

- Learn and perform a tie-dye or batik technique on a piece of fabric. Document the process with drawings or written steps. (Adult supervision recommended).

Day 15: English - Active and Passive Voice

- Change the following sentences from active to passive voice:

- The students cleaned the classroom.
 - The teacher taught us grammar.
- Change the following sentences from passive to active voice:
 - The ball was kicked by the boy.
 - The letter was written by her.

Day 16: Math - Squares and Square Roots

- Find the square root of 144 and 225 using the prime factorization method.
- Determine if 784 is a perfect square. If yes, find its square root.

Day 17: Hindi - उपसर्ग (Upsarg) और प्रत्यय (Pratyay)

- पाँच उपसर्ग और पाँच प्रत्यय लिखकर उनसे दो-दो नए शब्द बनाइए।

Day 18: Science - Metals and Non-metals

- List five physical properties of metals and non-metals each.
- Write one chemical property that differentiates metals from non-metals.

Day 19: Social Studies - Mineral and Power Resources

- Differentiate between metallic and non-metallic minerals with examples.
- List the conventional and non-conventional sources of energy. Write one advantage and one disadvantage of each.

Day 20: Computer - Loops in Python (for loop)

- Explain the concept of loops in programming.
- Write a simple Python code using a `for` loop to print numbers from 1 to 5. (Conceptual steps if no computer access).

Day 21: Craft - Creating a Model using Clay or Plaster of Paris

- Create a 3D model of a historical monument or a natural landscape using clay or Plaster of Paris.

Day 22: English - Direct and Indirect Speech

- Change the following sentences from direct to indirect speech:
 - He said, "I am going to the library."
 - She asked, "Have you finished your homework?"
- Change the following sentence from indirect to direct speech:
 - The teacher told us that the Earth revolves around the Sun.

Day 23: Math - Cubes and Cube Roots

- Find the cube root of 64 and 216 using the prime factorization method.
- Determine if 1728 is a perfect cube. If yes, find its cube root.

Day 24: Hindi - पत्र लेखन (Patra Lekhan) - औपचारिक और अनौपचारिक पत्र

- अपनी छोटी बहन को ग्रीष्मावकाश में घूमने आने के लिए एक अनौपचारिक पत्र लिखिए।
- अपने विद्यालय के प्रधानाचार्य को विद्यालय पुस्तकालय में पुस्तकों की कमी के संबंध में एक औपचारिक पत्र लिखिए।

Day 25: Science - Coal and Petroleum

- Explain how coal and petroleum were formed.
- List three important uses of coal and petroleum products.

Day 26: Social Studies - Agriculture

- Describe the different types of farming practices prevalent in India.
- What are the major crops grown in your region? Write a short note on one of them.

Day 27: Computer - Working with Lists in Python

- What is a list in Python? How is it created?
- Write a simple Python code to create a list of your favorite fruits and print each fruit. (Conceptual steps if no computer access).

Day 28: Craft - Designing and Creating a Board Game

- Design a simple board game with rules and playing pieces. Create the board and the pieces using cardboard and other craft materials.

Day 29: English - Modals

- Fill in the blanks with appropriate modal verbs:
 - You _____ (should/must) respect your elders.
 - _____ (Can/May) I borrow your pen, please?
 - It _____ (might/will) rain tomorrow.

Day 30: Math - Understanding Quadrilaterals

- Define the following types of quadrilaterals with their properties: parallelogram, rectangle, square, rhombus, and trapezium.
- Draw a rough sketch of each.

Bonus Activities (Do anytime you like!):

- Read novels, short stories, and articles in English and Hindi.
- Help with household chores and learn new skills.
- Play outdoor games and participate in physical activities.
- Write a diary entry every day in either English or Hindi.
- Research and present a short project on a topic of interest from Science or Social Studies.
- Explore educational websites and apps related to different subjects (with adult supervision).
- Learn a new form of art, craft, or music.

Last date for submission of assignment is 26.06.2025