

Summer Fun Learning - 30 Day Plan for Class 9 (NCERT Based)

Name: _____

Max Marks: 20

Instructions for Parents/Guardians:

- This is a flexible 30-day plan. Encourage your child to engage with the activities at their own pace.
- The focus is on understanding concepts and applying them creatively.
- Support your child's learning by providing necessary resources and a conducive environment.
- Encourage them to explore beyond the textbook and relate learning to real-world scenarios.

Day 1: English - Reading Comprehension & Vocabulary

- Read any interesting story or article (from a newspaper, magazine, or online).
- Write down 10 new words you encountered and find their meanings and synonyms.
- Write a short summary of what you read in your own words.

Day 2: Math - Number Systems

- Solve 10 questions from the NCERT textbook (Exercise 1.1 and 1.2) on rational and irrational numbers.
- Represent $\sqrt{2}$, $\sqrt{3}$, and $\sqrt{5}$ on the number line.

Day 3: Hindi - गद्य खंड - दो बैलों की कथा (प्रेमचंद)

- NCERT Kshitij Chapter 1: Read the story "दो बैलों की कथा" carefully.
- Write a character sketch of Heera or Moti in your own words.

Day 4: Science - Matter in Our Surroundings

- NCERT Chapter 1: Revise the different states of matter and the processes of interconversion (melting, freezing, evaporation, condensation, sublimation).
- Conduct a simple experiment at home (with adult supervision) to demonstrate one of these processes and record your observations.

Day 5: Social Studies - History - The French Revolution

- NCERT History Chapter 1: Read about the causes of the French Revolution.
- Create a timeline of the major events of the French Revolution.

Day 6: Computer - Basics of Information Technology

- Research the different components of a computer system (CPU, memory, input/output devices).
- Draw a labeled diagram of a computer system and briefly explain the function of each part.

Day 7: Craft - Best out of Waste - Creative Organizer

- Use old cardboard boxes, plastic containers, or other waste materials to create a useful organizer for your study table.

Day 8: English - Writing Skills - Diary Entry

- Write a diary entry about an interesting event or experience you had recently during your summer break.

Day 9: Math - Polynomials

- Solve 5 questions from NCERT Exercise 2.1 and 2.2 related to finding zeroes of a polynomial and the remainder theorem.

Day 10: Hindi - काव्य खंड - साखियाँ एवं सबद (कबीर)

- NCERT Kshitij Chapter 7: Read the "साखियाँ" and "सबद" by Kabir.
- Write the main idea or message of any two "साखियाँ" in your own words.

Day 11: Science - Is Matter Around Us Pure?

- NCERT Chapter 2: Understand the difference between pure substances and mixtures, and the different types of mixtures (homogeneous and heterogeneous).
- List five examples of pure substances and five examples of mixtures found at home.

Day 12: Social Studies - Geography - India: Size and Location

- NCERT Geography Chapter 1: Learn about the location and size of India.
- On an outline map of India, label the neighboring countries and the major physical divisions.

Day 13: Computer - Introduction to Python Programming

- Learn about basic Python syntax, variables, and data types (integer, float, string).
- Write a simple Python program to add two numbers and print the result (if you have access to a computer). If not, write the steps.

Day 14: Craft - Origami - Geometric Shapes

- Learn to make 2-3 different geometric shapes using the art of origami.

Day 15: English - Grammar - Tenses

- Revise the rules of simple present, present continuous, simple past, and past continuous tenses.
- Write two sentences for each of these tenses describing your summer activities.

Day 16: Math - Coordinate Geometry

- NCERT Chapter 3: Understand the Cartesian coordinate system.
- Plot the following points on a graph paper: (2, 3), (-1, 4), (-2, -3), (3, -2), (0, 5), (5, 0).

Day 17: Hindi - व्याकरण - उपसर्ग और प्रत्यय

- Learn the definitions of "उपसर्ग" (prefixes) and "प्रत्यय" (suffixes) with examples.
- Write five words using different "उपसर्ग" and five words using different "प्रत्यय".

Day 18: Science - Atoms and Molecules

- NCERT Chapter 3: Understand the concepts of atoms, molecules, ions, and chemical formulas.
- Write the chemical formulas of five common compounds you know.

Day 19: Social Studies - Civics - What is Democracy? Why Democracy?

- NCERT Civics Chapter 1: Read about the meaning and features of democracy.
- Write down three arguments for and three arguments against democracy.

Day 20: Computer - Conditional Statements in Python (if-else)

- Understand the concept of `if` and `else` statements in Python.
- Write a simple Python program to check if a number entered by the user is positive or negative (if you have access to a computer). If not, write the logic.

Day 21: Craft - Painting - Nature Scene

- Create a painting of a natural scene (landscape, seascape, etc.) using your preferred colors and techniques.

Day 22: English - Reading - Novel Excerpt

- Read an excerpt from an NCERT English supplementary reader ("Moments") or any other age-appropriate novel.

- Write a brief summary and your thoughts on the characters and plot.

Day 23: Math - Linear Equations in Two Variables

- NCERT Chapter 4: Understand what a linear equation in two variables is and how to find its solutions.
- Solve two questions from NCERT Exercise 4.1 and 4.2.

Day 24: Hindi - गद्य खंड - ल्हासा की ओर (राहुल सांकृत्यायन)

- NCERT Kshitij Chapter 2: Read the travelogue "ल्हासा की ओर".
- Imagine you are the narrator and write a short paragraph describing one interesting part of your journey.

Day 25: Science - Structure of the Atom

- NCERT Chapter 4: Learn about the subatomic particles (electrons, protons, neutrons) and the basic structure of an atom.
- Draw a simple diagram of an atom showing these particles.

Day 26: Social Studies - Economics - The Story of Village Palampur

- NCERT Economics Chapter 1: Read about the economic activities in Palampur.
- Compare and contrast the farming practices in Palampur with those in your region (if applicable).

Day 27: Computer - Loops in Python (for loop)

- Understand the concept of `for` loops in Python and how to iterate through a sequence.
- Write a simple Python program to print the first 10 natural numbers using a `for` loop (if you have access to a computer). If not, write the logic.

Day 28: Craft - Creating a Photo Frame with Natural Materials

- Collect natural materials like twigs, leaves, and small stones. Use them to decorate a simple photo frame made of cardboard.

Day 29: English - Grammar - Modals

- Revise the usage of common modal verbs (can, could, may, might, should, must, will, would).
- Write one sentence using each of these modal verbs.

Day 30: Math - Introduction to Euclid's Geometry

- NCERT Chapter 5: Read Euclid's definitions, axioms, and postulates.

- Write down any five of Euclid's postulates in your own words.

Bonus Activities (Do anytime you like!):

- Read NCERT books or related materials for all subjects to reinforce learning.
- Solve additional exercises from NCERT Exemplar problems.
- Watch educational videos or documentaries related to your syllabus.
- Discuss concepts you learned with family members or friends.
- Start a small project related to any of the subjects that interests you the most.

Last date for submission of assignment is 26.06.2025