



**BHARAT SWAROOP ACADEMY**  
**HOLIDAY HOMEWORK**  
**CLASS -IX**

**Instructions:-**

Dear Parents/Students,

This is to inform you that Summer Vacation Homework has been assigned to all students to ensure continuous learning during the holidays. You are requested to kindly guide and motivate your ward to complete the work sincerely and neatly. Holiday homework should be completed neatly and submitted on the reopening day positively. Parents should supervise the work, but the homework must be done by the students themselves. Kindly ensure that all notebooks and project files are properly covered and labeled.

Subject	Homework
<b>Hindi</b>	<p>नोट - निम्नलिखित कार्य हिंदी उत्तर पुस्तिका में करें।</p> <ol style="list-style-type: none"><li>1- उपसर्ग और प्रत्यय की परिभाषा लिखें और दोनों के 15-15 उदाहरण सहित नए शब्द बनाएं।</li><li>2- समास और उसके भेदों को लिखकर 20 उदाहरण लिखें।</li><li>3- रचनात्मक लेखन:- दिये गये विषय पर 150 शब्दों में अनुच्छेद लिखें।<ol style="list-style-type: none"><li>A. मेरा प्रिय कवि. ( Roll no 1-7)</li><li>B. पुस्तकालय का महत्व ( Roll no 8-14)</li><li>C. पर्यावरण संरक्षण (Roll no 15-20)</li></ol></li><li>4- मेहनत की कमाई और सच्चा मित्र पर आधारित लेख तैयार कीजिए।</li><li>5- पत्र लिखिए-<ol style="list-style-type: none"><li>A- अपने छोटे भाई को नियमित रूप से योग और व्यायाम का महत्व बताते हुए पत्र लिखें।</li><li>B- अपनी ग्रीष्म कालीन छुट्टियों (Summer Vacation) को कैसे बिताया, इसका वर्णन करते हुए अपने मित्र को पत्र लिखें।</li><li>C- पिता जी को पत्र लिखकर अपनी पढ़ाई की प्रगति और आगामी परीक्षाओं की तैयारी के बारे में बताएं।</li></ol></li><li>6- पाठ - दो बैलो की कथा और पाठ- क्या लिखूँ को पढ़कर 5-5 प्रश्न बनाए तथा उनके उत्तर अपनी उत्तर पुस्तिका में लिखें।</li><li>7- पाठ -1 और पाठ -2 का अभ्यास करें।</li></ol>

<b>English</b>	<p>Note- Do your holiday homework on A4 sheets and put those sheets in a file.</p> <ol style="list-style-type: none"> <li>1. Make a chart of rules of Tenses on an A4 sheet and learn it.</li> <li>2. (A) Create a personal log for two different days. Write one paragraph(120-150 words) about your Active day (using present and future tense) and other on your Lazy Day (using Past Tense) (Roll No. 1 to 7 ) (B)Imagine that you wake up with a superpower. Describe your superpower and how would you use it? (120-150 words)(Roll No. 8 to 14) (C)Imagine a world without neighbours. How would your life be different? Would you enjoy it or miss having people around you? Explain your feelings in about (120-150 words) (Roll No. 15 to 21)</li> <li>3. Make a rule book (at least 15 rules) of Subject-Verb Concord.</li> <li>4. Do revision Literature:- Chapter 1 and 2,Poem 1 and 2 Grammar:-Tenses, Conditional Clause, Writing, Notice, Formal Email</li> </ol>
<b>Maths</b>	<ol style="list-style-type: none"> <li>1. Write about the following mathematician on an A4 sheet. <ul style="list-style-type: none"> <li>➤ Aryabhata( Roll no.1 to 5)</li> <li>➤ Euclid( Roll no.6 to 10)</li> <li>➤ Pythagoras( Roll no.11 to 15)</li> <li>➤ Srinivasa Ramanujan( Roll no.16 to 20)</li> </ul> </li> <li>2. (A) Represent <math>\sqrt{2}, \sqrt{3}</math> &amp; <math>\sqrt{5}</math> irrational numbers on the number line:(Roll No. 1to 5) (B) Draw a Cartesian plane and plot the following points: (Roll no. 6 to 10) a. (2, 3),                    b.(-3,2),c.(-2,-4), d.(4,-3) Questions:- (i) Identify the quadrant of each point. (ii)Which point lies nearest to the origin? (C) Prepare a colorful chart showing:( Roll no.11 to 15) <ul style="list-style-type: none"> <li>❖ Natural Numbers</li> <li>❖ Whole Numbers</li> <li>❖ Integers</li> <li>❖ Rational Numbers</li> <li>❖ Irrational Numbers</li> </ul> (D) Prepare any 5 daily-life word problems based on linear equations in one variable and solve them neatly. Example: “The sum of a number and 7 is 25. Find the number.” 3. Do revision of ch-1 , ch-2 and ch-3</li> </ol>
<b>Science</b>	<p><b><u>Physics –</u></b></p> <p><b>A.Do this activity</b></p> <ol style="list-style-type: none"> <li>1. Take three transparent glasses. Fill one with plain water, one with highlyconcentrated salt water, and one with a mix of water and cooking oil.</li> <li>2. Drop a small grape or a piece of potato into each.</li> <li>3. Observation: Record which object sinks, which floats, and which remains suspended.</li> <li>4. Analysis: Write a short paragraph explaining the results using Archimedes' Principle and the concept of density</li> </ol> <p><b>Note- Record observation and analysis on A4 sheets and put those sheets in a file.</b></p>

**B. Make a working model on the given topic of physics and also make a file on that topic.**

1. Roll no. 1-5 ( Motion and it's types )
2. Roll no. 6-10 ( Types of Force)
3. Roll no. 11-15 ( Simple Machines)
4. Roll no. 16-20 ( Work , energy and power)

**Note- Kindly note that each group must present a unique model. Duplicate designs or topics will not be accepted.**

**C. Do revision of ch -1 and 2 of physics**

**Biology:-**

**General Instruction:-**All the questions have to be done in A4 size sheets.

1. Draw the diagram and Name the types of Plastids more common in :-  
a. Leaves of plants    b. Colorful flowers    c. Root of plants

**2. Topic/Activity**

- A. Prepare a healthy balanced chart with pictures of nutrients and their functions.(Roll no 1-4)
- B. Collect information and paste pictures about diseases like diabetes, hypertension, obesity, cancer, etc. Mention causes, symptoms, prevention, and healthy habits.(Roll no 5-8)
- C. Draw or paste pictures of 5 medicinal plants and write their uses in daily life. (Roll no.9-12)
- D. Find common food adulterants at home and write simple methods to detect them. Add pictures/examples.(Roll no.13-16)
- E. Collect information and pictures of useful and harmful microorganisms. Also show their uses in curd making, medicine, agriculture, and diseases.(Roll no 17-20)

**3. Topic/Activity**

- A. Make 3D Model of Plant Cell and Animal cell using clay, pulses, cardboard, thermocol, jelly, etc. Label all cell organelles properly.(Roll No1-4)
- B. Make a mini project on Importance of Cells and Tissues in Daily Life with pictures/examples from plants, animals, sports, medicine, etc.( RN. 5-8)
- C. Draw and explain the structure of a microscope and also write steps to observe onion peel cells. ( RN. 9-12)
- D. Prepare a collage/model showing Plant Tissues and Animal Tissues using magazine cuttings, drawings, or waste material.( RN. 13-16)
- E. Create a neuron model using kitchen/waste materials like rajma, pulses, thread, leaves, bottle caps, etc. Write functions of each part. (RN. 17-20)

**4. Do revision of chapter 2 and 3.**

**Chemistry-**

- Draw labeled diagrams on chart showing particle arrangement and motion in solid, liquid, and gas (at least two different examples per state).(R.N 1-7)
- Draw a mind map on chart for states of matter along with properties. R.N. (8-14)
- Draw a mind map on chart for mixture n its types.( R.N. 15-21)
- Revise chapter 5 Exploring Mixtures n their Separation.

**S.St.**

General Instructions:-

1. Do all the work in a separate project file.
2. Use maps, diagrams, charts, and pictures wherever required.
3. Maintain neatness with proper headings and subheadings.
4. Write all answers in your own words.
5. Revise all the work completed in class.

1. History Project – The French Revolution:-

Write a brief description of The French Revolution (200–250 words).

Explain: Causes of the Revolution, Important Events (in points), Outcomes/Impact on Society

Draw a flowchart or timeline showing the major events of the Revolution.

2. Geography Map Work

On an outline map of India/World, mark and label:

Major physical features (Mountains, Plateaus, Plains), Important Rivers and Earthquake-prone Zones (basic idea)

Additional Work:

Write three facts about any one physical feature.

3. Disaster Management Activity

Prepare a chart on any one disaster according to your roll number:

Roll Numbers- Topic

1–5 - Earthquake

6–10 - Flood

11–15 - Cyclone

16–20 - Loo (Heat Wave)

Include: Causes, Effects, Safety Measures and Emergency Kit (Draw and Label)

4. Civics Activity – Democratic Rights

Write about Fundamental Rights.

Include: List all Fundamental Rights.

Explain any three rights with suitable examples.

Write why rights are important in a democracy.

5. Economics Activity – Budget Study

Prepare a simple monthly family budget.

Include: Family Income, Expenses (Food, Education, Transport, Electricity, etc.) and Savings.

Present:

Data in table form

Write 2–3 conclusions based on the budget.

	<p><b>6. Data Handling (Survey Activity)</b> Conduct a survey of 10 people on: Educational Level and Occupational level.</p> <p>Present Data in a table. Represent the data using a Bar Graph or Pie Chart. Write any three observations based on the survey.</p> <p><b>7. Climate Study</b> Record daily weather conditions according to your roll number: Roll Numbers - Dates 1–5. - 01–07 June 6–10. - 08–15 June 11–15. - 16–22 June 16–20 - 23–30 June</p> <p>Record: Temperature, Weather Conditions (Sunny, Cloudy, Rainy, etc.) Write any three observations about the climate pattern.</p> <p><b>8. Rural vs Urban Economy</b> Compare Rural and Urban Economic Life. Include 6–8 points of difference between rural and urban economies. Present the comparison in a table format.</p>
IT	<p>I. Learn chapter 1st, 2nd and 3rd. II. Learn and write shortcut key a to z in your notebook. III. Write any 30 Full form in your notebook. IV. Make a PPT relative to AI in soft copy and hardcopy.( Roll no- 1-7) V. Make a PPT slogan 10 leaders.(Roll no- 8-16) VI. Make a PPT National Flag (Rollno-16-21) VII. Do revision of ch-1,ch-2 and ch-3</p>

**1. World Environment Day (5 June)**(share picture with your class teacher).

Make a poster on “Save Earth, Save Environment.”Plant a sapling, observe it on every fifth day and click and paste a photograph with it.

**2. Father's day(21 June)** (share picture with your class teacher).

Prepare a handmade thank-you card.**OR**Write a paragraph or poem expressing gratitude towards your father.(A4 sheet)

**3. International Yoga Day (21 June)** (share picture with your class teacher)

Practice yoga on a daily basis.

- Anulom Vilom Pranayama
- Om Chanting (ॐ Chanting)
- Surya namaskar
- yogasana of your choice