

**PM Shri Kendriya Vidyalaya Chandimandir Cantt.**  
**Summer Vacation Home Work(2025-2026)**

**Class – 6**

Subject	Home work
हिंदी	<ol style="list-style-type: none"><li>1. प्रतिदिन समाचारपत्र में से एक नया शब्द लिखकर अर्थ लिखते हुए वाक्य प्रयोग करके उसको पढ़ें।</li><li>2. रहीम के पांच दोहे गाकर विद्यालय यूनिफॉर्म में अपनी वीडियो बनाकर भेजें।</li><li>3. असम राज्य की वेशभूषा, खानपान, त्यौहार आदि के चित्र एक शीट पर लगाएं व उनके बारे में वर्णन करें।</li><li>4. चन्द्रमा पर 2 कविता लिखिए और उनके घटते बढ़ते रूप को चित्र सहित दिखाए।</li><li>5. आओ पेड़ बचाए विषय पर एक पेज का अनुच्छेद अपनी उत्तर पुस्तिका में लिखें।</li><li>6. अपने प्राचार्य को 2 दिन का अवकाश लेने हेतु पत्र अपनी उत्तर पुस्तिका में लिखकर लाएं।</li></ol>
English	<ol style="list-style-type: none"><li>1. Write a paragraph on the following topic. ( 60 – 80 words) Annual Sports Day</li><li>2. You are suffering from fever. Write an application to the Principal of your school requesting him to grant you leave for two days.</li><li>3. Find 10 pairs of homophone (same sounding) words from any lessons studied so far.</li><li>4. Make 5 questions (short answer type) from the lesson - Changing Heart.</li></ol> <p>Learn the chapters already covered.</p> <ol style="list-style-type: none"><li>5. Read English Newspapers daily. Date-wise write only two words with their meanings &amp; pronunciations.</li></ol>
Science	<ol style="list-style-type: none"><li>1- learn and practice the chapters done in class.</li><li>2- Complete the learners diary as discussed in class.</li><li>3- Complete your multidisciplinary project as discussed in class.</li><li>4- Prepare a diet chart of a week to provide a balanced diet to students.</li><li>5- Make a herbarium of different leaves, and measure their length as well.</li><li>8- Make any one model out of the following - Water cycle, type of roots, types of motion.</li></ol>

<p><b>Math</b></p>	<p><b>1. Mathematics in Art: Rangoli Patterns</b></p> <p>Draw 2–3 Rangoli patterns using geometrical shapes like triangles, squares, circles.</p> <p>Highlight symmetry lines.</p> <p><b>2. Multiplication Tables Art</b></p> <p>Design a colourful multiplication table chart (2 to 20).</p> <p>Use different colours for different number series.</p> <p><b>3. Measurement Activity</b></p> <p>Measure the dimensions of 5 objects at home (length, width, height).</p> <p>Convert measurements into different units (cm, m, km). Also find out what units were used in older times to measure length.</p> <p><b>4. Fraction Art</b></p> <p>Create a pizza/flower drawing and shade different fractions (like <math>\frac{1}{2}</math>, <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math> parts). Write the fractions neatly.</p> <p><b>5. Art Integrated Project (Any State Art + Maths)</b></p> <p>Choose any Indian folk art (Warli, Madhubani, etc.) and show how lines, shapes, angles are used.</p> <p><u>Please Note: Use A4 size ruled or blank sheets as per need. Punch them and tie them using a string. Also prepare a creative cover for your project (Do not use plastic covers)</u></p>
<p><b>SST</b></p>	<p>1.Complete your notebooks in all respects.</p> <p>2.Prepare your Learners Diary for Chapter 1.</p> <p>3.Prepare a Project on Importance of Oceans in Scrap book.</p> <p>4.Learn all questions and answers of chapter 1.</p> <p>5.Prepare a stencil of India from used X-Ray photograph.</p> <p>6.Prepare Rain Gauge from empty bottles.</p> <p>7.Read chapter 2,3 and 4 and prepare 30 questions and answers in a separate note book.</p>

## Class – 7

Subject	Home work
हिंदी	<ol style="list-style-type: none"><li>1. प्रतिदिन समाचार पत्र से नया शब्द देखकर उसे वाक्य में प्रयोग करके लिखें।</li><li>2. अपनी पाठ्य पुस्तक के पाठों वाले लेखकों के नाम एक शीट पर लिखो व याद करो।</li><li>3. किन्ही 10 फूलों के नाम लिखकर उनके चित्र चिपकाकर उनके रंग, प्रयोग व विशेषता के बारे में लिखें।</li><li>4. जल चक्र का चित्र A4 शीट पर बनाएं।</li><li>5. जल ही जीवन है - अनुच्छेद अपनी उत्तर पुस्तिका में करो।</li><li>6. भारत के मानचित्र पर इन नृत्य के लिए प्रसिद्ध राज्यों को ढूँढ कर उन में रंग भरो भरतनाट्यम, कुचिपुडी, कथक, कथकली, मणिपुरी, मोहिनीअट्टम।</li></ol>
English	<ol style="list-style-type: none"><li>1. Write an application to your school principal requesting him to issue you the transfer certificate as your father has been transferred to Bhubaneswar.</li><li>2. Write a paragraph in 100 words on “The Sports Day Celebration in My School”.</li><li>3. Write a notice in about 50 words for the students of your Vidyalaya regarding inter house quiz competition on Global Warming. You are Nakul/Nikita, the headboy /headgirl of your school. Provide all the necessary details for the notice.</li><li>4. Listen to any English News 5 minutes daily.</li><li>5. Practise neat handwriting 5 lines daily from the Lesson The Day the River Spoke.</li><li>6. Complete the Activity From Book Poorvi , page No. 14( Let us write) for 10 days and make notes after observing the surroundings.</li><li>7. Read English Newspapers daily. Date-wise write only two words with their meanings &amp; pronunciations.</li></ol>
Maths	<ol style="list-style-type: none"><li>1. Revise the work done in the bridge course.</li><li>2. Complete the practice worksheets given related to chapter 1.</li><li>3. Make a project / working model related with number system</li><li>4. Prepare a number system chart comparing Indian System and American system of Place values.</li></ol>

<p><b>Science</b></p>	<p><b>Q.1 Create a mini-booklet titled 'Amazing Animals and Where They Live'. Include 5 animals from different habitats (desert, ocean, forest, polar regions, and grassland). Draw, color, and write 2-3 lines about each.</b></p> <p><b>Q.2 Design your own 'Healthy Diet Chart' for one day. Explain why each food item is important for your body. Try to include foods rich in carbohydrates, proteins, vitamins, and minerals.</b></p> <p><b>Q.3 Make a working model or a simple poster to show any one of these:</b>  <b>(a) Water cycle</b>  <b>(b) Layers of soil</b>  <b>(c) Plant life cycle</b>  <b>(d) Electric circuit using waste materials</b></p> <p><b>Q.4 Visit a garden or observe a plant at home. Maintain a 5-day observation diary to note changes in leaves, flowers, or height. Draw and describe your findings.</b></p> <p><b>Q.5 Imagine you are a drop of water. Write a short story titled 'My Journey Through the Water Cycle'. Include stages like evaporation, condensation, precipitation, and collection.</b></p> <p><b>Q.6 Perform a kitchen science experiment (with adult supervision). For example, find out what happens when you mix vinegar and baking soda. Record your steps, observations, and result with pictures or drawings.</b></p> <p><b>Q.7 Create a 'Science Comic Strip' (6–8 frames) showing how a seed grows into a plant or how rain is formed. Add dialogues to make it interesting.</b></p> <p><b>Q.8 Choose any one scientist (e.g., Marie Curie, C.V. Raman, Thomas Edison) and make a one-page biography with interesting facts, discoveries, and a hand-drawn portrait.</b></p> <p><b>Q.9 Make a list of 5 things in your home that use electricity. Explain how you can save energy by using them wisely.</b></p> <p><b>Q.10 Collect wrappers, labels, or packaging from household items (e.g., toothpaste, shampoo, cereals). Identify the main ingredients and sort them into natural and synthetic materials. Present them in a chart format.</b></p>
<p><b>SST</b></p>	<p><b>1. Know Your Rights – Poster on Democratic Rights</b></p> <p><b>What to Do:</b></p> <p><b>Create a colorful poster showing 6 Fundamental Rights guaranteed by the Indian Constitution.</b></p> <p><b>2. Types of Soil – Collect &amp; Compare</b></p> <p><b>What to Do:</b></p>

**Collect samples of 2–3 types of soil (from garden, pot, roadside, etc.).**

**Stick dry samples on paper and label them. Write:**

**Colour and texture**

**Where it is found**

**Crops grown in it**

### **3. Types of Crops – Crop Calendar**

**What to Do:**

**Make a seasonal crop calendar chart showing:**

**Kharif crops**

**Rabi crops**

**Include sowing and harvesting time for each.**

### **4. My Duties as a Citizen – Constitution in Action**

**What to Do:**

**Write down 5 Fundamental Duties and explain how you follow them at home or school.**

**Use real examples like “I help keep my school clean” or “I respect national symbols.”**

### **5. World Map Activity – Equator, Tropics, Hemispheres**

**What to Do:**

**On a blank world map:**

**Mark and label the Equator, Tropic of Cancer, Tropic of Capricorn, Arctic & Antarctic Circles**

**Color and label Northern & Southern Hemispheres**

### **6. Sector of Economy – Identify Jobs Around You**

**What to Do:**

**Make a table of 6 jobs from your neighborhood. Identify if they are:**

**Primary (like farming)**

**Secondary (like factory work)**

**Tertiary (like teaching, banking)**

**Why This Activity?**

**👉 Learn about different sectors of economy and their roles in society.**

**7. Interview a Farmer or Vegetable Seller**

**What to Do:**

**Interview someone involved in agriculture or food trade. Ask:**

**What crops they grow or sell**

**Challenges they face**

**Changes in weather or prices**

**8. Weekly Climate Record – Weather Chart**

**What to Do:**

**Record your local temperature, sky condition (sunny, rainy), and humidity level (approximate) for 7 days.**

**Use a table and draw weather symbols.**

Class – 8

Subject	Home work
हिंदी	<p>एक पृष्ठ पर 20 मुहावरे, अर्थ एवं वाक्य प्रयोग सहित लिखकर फाइल में लगाएं।</p> <p>अपने मित्र को ग्रीष्मकालीन अवकाश अपने साथ बिताने के लिए निमंत्रण पत्र लिखिए। (अन-औपचारिक पत्र)</p> <p>स्वास्थ्य अधिकारी से गंदगी की शिकायत करने हेतु पत्र लिखें. (औपचारिक पत्र)</p> <p>निम्नलिखित अनुच्छेदों को लिखकर फाइल में लगाएं:-</p> <ol style="list-style-type: none"><li>1) कम्प्यूटर - आज की आवश्यकता</li><li>2) समाचार पत्र</li><li>3) हमारी राष्ट्रभाषा हिंदी</li></ol> <p>एक कछुए, चाँद, मछली या पेड़ पर विपरीत शब्द और पर्यायवाची शब्द का प्रोजेक्ट बनाएं।</p>
English	<ol style="list-style-type: none"><li>1. Read English Newspapers daily. Date-wise write only two words with their meanings &amp; pronunciations daily.</li><li>2. Select one story or poem from your English books, prepare face masks, puppets, props based on chapters in the books. Create dialogues, you have to present the story in your own words in the classroom.</li><li>3. Story writing: Spend time with your parents/grandparents and request them to share stories with you. Write any three stories that you like the most with moral .</li><li>4. My kitchen: Learn a recipe and record it. Also make a list of 40 to 50 words of kitchen inventory.</li><li>5. Stay away from screens &amp; social media* as much as possible. *Observe No Screen &amp; No Social Media day once every week.</li><li>6. Take care of your health. Jog, run, and play daily.</li><li>7. Spend quality time with your family.</li><li>8. Learn to cook any five recipes made from millets. Try to cook once a week, at least.</li><li>9. Keep your surroundings clean &amp; well organised.</li><li>10. Learn to sing a song in your mother tongue or translate it in English.</li><li>11. Write one page of handwriting daily. (Total 20 pages).</li></ol>

<p><b>Maths</b></p>	<p><b>1.Sudoku puzzle : create atleast five</b></p> <p><b>Grid:</b> A Sudoku puzzle consists of a 9x9 grid, divided into nine 3x3 blocks.</p> <p><b>Numbers:</b> The puzzle uses the numbers 1 through 9.</p> <p><b>Rows:</b> Each row must contain all the numbers 1 to 9,without any repetitions.</p> <p><b>Columns:</b> Each column must contain all the nos. 1 to 9,without any repetitions.</p> <p><b>Blocks:</b> Each 3x3 block must contain all the nos. 1- 9,without any repetitions.</p> <p><b>Unique Solution:</b> Every valid Sudoku puzzle has a unique solution.</p> <ol style="list-style-type: none"> <li><b>1. Tangram:</b> Tangram is a puzzle game that consists of a square cut into seven geometric shapes. Cut tangram pieces and rearrange them to form five different shapes like a dog, ship etc</li>   <li><b>2. Find out at least three riddles based on age. Write and solve them</b></li> <li><b>3. Go through the following youtube link to choose any one puzzle project. Prepare it and present in class.</b></li> </ol> <p><a href="https://www.youtube.com/playlist?list=PL37kVxuLUBb4lCvSGY6PDbx7FI5it0Lhl">https://www.youtube.com/playlist?list=PL37kVxuLUBb4lCvSGY6PDbx7FI5it0Lhl</a></p> <ol style="list-style-type: none"> <li><b>4. Prepare a quiz worksheet on Polygons having at least 10 clues as questions.</b></li> </ol>
<p><b>Science</b></p>	<p><b>1. MDP –MULTI DISCIPLINARY PROJECT (Separate copy thin)</b></p> <p><b>Theme:- Balanced Diet with infusion of ‘Millets’.</b></p> <ol style="list-style-type: none"> <li><b>a.Some common meals of different regions/states.</b></li>   <li><b>b. Draw /paste images of sources of nutrients such as proteins, fats, carbohydrates, minerals etc.</b></li>   <li><b>c.Prepare a diet chart to provide a balanced diet to a twelve-year-old child. The diet chart should include food items which are not expensive and are commonly available in your area.</b></li> </ol> <p><b>2. Subject enrichment activity: (Separate copy thin)</b></p> <ol style="list-style-type: none"> <li><b>1. Make or draw water cycle.</b></li> </ol>



2. **Draw / paste different types of plants (Monocot & Dicot) used as food.**
3. **Paste pictures of various techniques of separation such as filtration, winnowing, threshing, picking up by hand etc.**
4. **Make a model of the solar system.**

**3. Activity:-**

1. **Germination of kidney beans seeds along the inner wall of a glass tumbler, note the rate of germination of roots and shoot on a daily basis for at least 10 days. Record your observation, tabulate it, infer from it. Take a photo of important changes and share in whats app group with your name.**
2. **Water conservation audit:-**
  - a. **Write about the various ways of water use in our daily life.**
  - b. **Collect the data of Average water consumption at home (from all points).**
  - c. **Tabulate the data**
  - d. **Analyze the data for water consumption.**
  - e. **Find the points or activities that result in wastage of water.**
  - f. **Suggest some ways to reduce the wastage of water at your home.**
  - g. **Plan an action to reduce the wastage during the vacations.**
  - h. **Write an action taken report with complete data collected, tabulated, analysed and action taken.**
4. **Select any scientist of your interest, search its life history, contributions to society & science, write a report on it.**
5. **Art integrated project: Make postcard on state: Jammu and Kashmir of the following with a brief write up (30 words each)**
  - a. **State flower**

	<p style="text-align: center;"><b>b. State animals</b></p> <p style="text-align: center;"><b>c. State fruit</b></p>
<p><b>SST</b></p>	<p><b>1. Know Your Rights – Poster on Democratic Rights</b></p> <p><b>What to Do:</b></p> <p><b>Create a colorful poster showing 6 Fundamental Rights guaranteed by the Indian Constitution.</b></p> <p><b>2. Types of Soil – Collect &amp; Compare</b></p> <p><b>What to Do:</b></p> <p><b>Collect samples of 2–3 types of soil (from garden, pot, roadside, etc.).</b></p> <p><b>Stick dry samples on paper and label them. Write:</b></p> <p><b>Colour and texture</b></p> <p><b>Where it is found</b></p> <p><b>Crops grown in it</b></p> <p><b>3. Types of Crops – Crop Calendar</b></p> <p><b>What to Do:</b></p> <p><b>Make a seasonal crop calendar chart showing:</b></p> <p><b>Kharif crops</b></p> <p><b>Rabi crops</b></p> <p><b>Include sowing and harvesting time for each.</b></p> <p><b>4. My Duties as a Citizen – Constitution in Action</b></p> <p><b>What to Do:</b></p> <p><b>Write down 5 Fundamental Duties and explain how you follow them at home or school.</b></p>

Use real examples like “I help keep my school clean” or “I respect national symbols.”

### **5. World Map Activity – Equator, Tropics, Hemispheres**

**What to Do:**

**On a blank world map:**

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**Why This Activity?**

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**Challenges they face**

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### **8. Weekly Climate Record – Weather Chart**

**What to Do:**

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**Use a table and draw weather symbols.**

**Class – 9**

Subject	Home work
हिंदी	<p style="text-align: center;">परियोजना कार्य</p> <ol style="list-style-type: none"><li>1) आप की पाठ्यपुस्तक क्षितिज भाग-1 में संकलित " ल्हासा की ओर" पाठ के आधार पर भारत के पड़ोसी देश "तिब्बत" की सभ्यता संस्कृति और, वहाँ के रहन-सहन, खानपान,वेशभूषा, भौगोलिक स्थिति आदि के विषय में चित्र सहित परियोजना कार्य स्कैप फाइल में बनाइए।</li><li>2) समाज के विकास एवं नारी सशक्तिकरण में योगदान देने वाली किन्ही चार प्रसिद्ध महिलाओंके बारे में उनके चित्रों सहित उनका जीवन परिचय स्कैप फाइल में बनाइए।</li><li>2) अपनी पसंद की कोई कहानी या कविता को उचित आरोह- अवरोह के साथ पढ़कर रिकॉर्ड करके भेजें।</li><li>3) सभी बच्चे अपने विवेक एवं कल्पना से एक स्वरचित लघु कथा लिखें।</li><li>4) निम्नलिखित अनुच्छेद अपनी उत्तर पुस्तिका में लिखें – क) छात्र जीवन में अनुशासन का महत्व ख) समय अमूल्य धन है ग) मोबाइल फ़ोन – वरदान या अभिशाप</li><li>5) सभी पठित पाठों की पुनरावृत्ति करें।</li><li>6) सभी विद्यार्थी अपना पोर्टफोलियो दिए गए प्रारूप में पूरा करके विषय अध्यापक को ग्रीष्मावकाश के बाद जमा कराएंगे।</li></ol> <p style="text-align: center;">नोट : कार्य करते समय वर्तनी एवं हस्तलेख पर विशेष ध्यान दें।</p>

<p><b>English</b></p>	<p><b>A) Work to be done in English Notebook:</b></p> <ol style="list-style-type: none"> <li><b>1. Read English Newspaper daily. Date-wise write only two words with their meanings &amp; pronunciations.</b></li> <li><b>2. Write short notes in 60 to 80 words on each of the following with reference to the chapters mentioned:</b> <ol style="list-style-type: none"> <li><b>a) The Lost Child</b></li> <li><b>b) Decision making (The Road Not Taken)</b></li> <li><b>d) The Sound of Music.</b></li> <li><b>e) The Fun They Had</b></li> </ol> </li> <li><b>3. Read any one book &amp; write its book review in about 80 words:</b></li> </ol> <p><b>Suggested Books -</b></p> <p><b>The Diary of a Young Girl by Anne Frank</b>  <b>Adventures of Tom Sawyer and</b>  <b>Ad</b>  <b>Happy vacations !</b></p>
<p><b>Maths</b></p>	<ol style="list-style-type: none"> <li><b>1. Practice Chapter 1 to 2 from NCERT Textbook</b></li> <li><b>2. Complete the practice assignment given for 2 chapters (From 20 -20 backside).</b></li> <li><b>3. Solve 4 case based questions from each chapter in 20-20.</b></li> <li><b>4. Complete exercises of Ch1-2( MCQS,Rapid fire, Fill in the blanks etc etc) in 20-20 series (book provided</b></li> </ol>
<p><b>Science</b></p>	<ol style="list-style-type: none"> <li><b>1- Select any scientist of your interest, search its life history, contributions to the society &amp; science, write a report on it.</b></li> <li><b>2-learn and practice the chapters done in class.</b></li> <li><b>3- Complete experiments in a practical file which are completed in class.</b></li> <li><b>4- Complete your portfolio as discussed in class.</b></li> <li><b>5- Make a pictonary of all the diagrams labelled.</b></li> <li><b>6- Make a working model for a Science exhibition based on the 5 sub- themes as follows.</b></li> </ol> <p><b>THEME:-UNDERSTANDING ECOSYSTEM FOR HEALTH &amp; WELL BEING</b></p> <ol style="list-style-type: none"> <li><b>1.Know your ecosystem</b></li> <li><b>2.Fostering Health, Nutrition &amp; Well being</b></li> <li><b>3.Social &amp; Cultural practices for ecosystem &amp; health</b></li> </ol>

	<p><b>4.Ecosystem Based Approach (EBA) for self reliance</b>  <b>5.Technological Innovation for ecosystem &amp; health</b></p> <p><b>7- Complete the questions, assertion - reason questions and CCT questions assigned to you in a separate notebook.</b></p> <p><b>8- Record the distance covered by your vehicle while on a journey. Plot its distance time graph.</b></p> <p><b>Find the speed and acceleration also.</b></p> <p><b>9- Make any one model out of the following-</b></p> <p><b>Animal cell, plant cell, prokaryotic cell, tissues.</b></p>
<p><b>SST</b></p>	<p><b>HOLIDAY HOMEWORK.</b></p> <p><b>1.Complete your notebook and revise the chapter done till date .</b></p> <p><b>2. Prepare 15 MCQ questions with answers from chapter 1 history, chapter 1 geography and chapter 1 civics.</b></p> <p><b>3. On an outline map of world locate and label the following places:</b>  <b>France Germany Italy Japan UK Turkey USA Austria Hungary Romania Switzerland and Spain.</b></p> <p><b>4. Prepare a project on disaster management containing an attractive cover page ,acknowledgement certificate, content ,theme pictures, data analysis graph and bibliography in a thread file not less than 15 pages A4.</b></p> <p><b>Prepare a multi disciplinary project on the given chapter forest society and colonialism.</b></p>

<p><b>A.I</b></p>	<p style="text-align: center;"><b>Homework based on Chapter - ICT Skills</b> (to be done in your AI Subject notebook)</p> <p><b><u>Write the answers of the following questions.</u></b></p> <ol style="list-style-type: none"> <li>1. What do you understand by the two terms (a) ICT (b) ICT Skills</li> <li>2. Where do we use ICT at home? List at least 4 areas.</li> <li>3. Make an observation around yourself and list the use of ICT tools in our daily life       <ol style="list-style-type: none"> <li>a. ICT in Education</li> <li>b. ICT in Healthcare</li> <li>c. ICT in Governance</li> <li>d. ICT in Business</li> </ol> </li> <li>4. Name all the ICT tools mentioned in your chapter with one line description for each.</li> <li>5. What do you understand about the term “Peripheral Devices” . Name all the peripheral devices (Input, Output).</li> <li>6. What is a Memory Unit?</li> <li>7. What is the Internet? Name any five applications of the Internet.</li> <li>8. Name any 4 browsers. And draw their logos.</li> <li>9. What do you understand about the term ‘Social Media’. Name any five Social Medias.</li> </ol>
	<ol style="list-style-type: none"> <li>3. Identify the following buttons on any opened Window and remember their shape. Minimize, Restore, Maximise, Close button</li> <li>4. Check how many disk drives your Computer has and see their names and size.</li> <li>5. On the Computer see the difference between Folder and File.</li> </ol>

## Class – 10

Subject	Home work
हिंदी	<p>अपनी पसंद की कोई भी एक कहानी या कविता उचित आरोह- अवरोह के साथ पढ़कर रिकॉर्ड करके भेजें ।</p> <p>2) निम्नलिखित अनुच्छेद और पत्र पृष्ठ पर करके फ़ाइल में लगाएं।</p> <p>क) छात्र जीवन में अनुशासन का महत्व</p> <p>ख) मोबाइल फ़ोन – वरदान या अभिशाप</p> <p>ग) आपका नाम अर्पित/अर्पिता है। आपने घर में अक्सर देखा है कि आपकी मां सबके प्रति अपनी जिम्मेदारी निभाती हुई अपने ही स्वास्थ्य का ध्यान नहीं रख रही है। उन्हें <b>100</b> शब्दों में पत्र लिखकर अपने चिंता व्यक्त करते हुए अपने स्वास्थ्य का भी ध्यान रखने का अनुरोध करो।</p> <p>3) परियोजना कार्य</p> <p>i) हिंदी के किसी भी दैनिक अखबार या हिंदी पत्रिका से <b>10</b> हिंदी विज्ञापनों की कतरन एकत्र कर परियोजना कार्य की स्क्रेप फाइल में लगाए ।</p> <p>ii) भारत के “सिक्किम” राज्य में प्रचलित विभिन्न प्रकार के रीति-रिवाजों, वेशभूषा, वहाँ की संस्कृति, रहन-सहन, भौगोलिक स्थिति एवं पर्यटन स्थलों के विषय में चित्र सहित वर्णन करते हुए स्क्रेप फाइल में परियोजना कार्य कीजिए ।</p> <p>5) सभी विद्यार्थी अपना पोर्टफोलियो दिए गए प्रारूप में पूरा करके विषय अध्यापक को ग्रीष्मावकाश के बाद जमा कराएंगे ।</p> <p>6) सभी पठित पाठों की पुनरावृत्ति करें ।</p> <p>नोट : कार्य करते समय वर्तनी एवं हस्तलेख पर विशेष ध्यान दें ।</p>
English	<p><b>Summer is a time to relax, recharge, and reconnect with the world around you. It’s also a chance to reflect, explore, and express yourself in creative ways. The following assignments are designed to keep your mind active, your heart open, and your learning continuous – even during vacation!</b></p> <p><b>NOTE : USE SEPARATE NOTEBOOK/FILE FOR HOLIDAY HOMEWORK.</b></p> <p><b>1. Read English Newspaper daily. Date-wise write only two words with their meanings &amp; pronunciations.</b></p>



	<p><b>2. Write short notes in 60 to 80 words on each of the following with reference to the chapters mentioned:</b></p> <p>a) <b>Unflinching faith in God (A Letter to God)</b></p> <p>b) <b>Nature is the best healer (Dust of Snow)</b></p> <p>c) <b>Live and let live (Fire and Ice),</b></p> <p>d) <b>The harmful effects of over protective parenting (Triumph of Surgery)</b></p> <p>e) <b>Education makes our life better. (The Thief's Story).</b></p> <p><b>3. Complete your portfolio.</b></p> <p><b>4. Read the novel “ The Diary of Anne Frank” and write its book review in about 80 words:</b></p> <p><b>Describe your favorite scene from each chapter. Why did you like it? What did it show about the characters?</b></p> <p><b>Write down five new words you learned while reading the book.</b></p> <p><b>For each word, write:</b></p> <p><b>The word</b></p> <p><b>Its meaning</b></p> <p><b>Use it in a sentence of your own</b></p> <p><b>Write two dialogues from each chapter that you liked the most.</b></p> <p><b>Give wings to your imagination. Design an attractive cover page and a bookmark for the book. Draw your imagination on the front side with the name of the author and the book title. Write a short summary on the backside of the cover page.</b></p>
<p><b>Maths</b></p>	<p><b>1.Practice Chapter 1 to 4 from NCERT Textbook</b></p> <p><b>2.Complete the practice assignment given for 4 chapters (From 20 -20 backside).</b></p> <p><b>3.Solve 4 case based questions from each chapter in 20-20.</b></p> <p><b>4.Complete exercises of Ch1-4( MCQS,Rapid fire, Fill in the blanks etc etc) in 20-20 series (book provided)</b></p>

<p><b>Science</b></p>	<p>1- learn and practice the chapters done in class.</p> <p>2- Complete experiments in a practical file which are completed in class.</p> <p>3- Complete your portfolio as discussed in class.</p> <p>4- Make a pictorial of all the diagrams labelled.</p> <p>5- Make a working model for a Science exhibition.</p> <p>6- Complete the questions, assertion - reason questions and CCT questions assigned to you in a separate notebook.</p> <p>7- Group Activity -Make any one model out of the following-</p> <p>Human digestive system, Human respiratory system, human heart, excretory system, hemodialysis.</p>
<p><b>SST</b></p>	<p><b>History</b></p> <ul style="list-style-type: none"> <li>• Create a timeline of Italy and Germany’s unification.</li> <li>• Write a short biography of Giuseppe Mazzini or Bismarck.</li> <li>• Design a comic strip showing the 1815 Congress of Vienna.</li> <li>• Mind map: Factors that led to the rise of nationalism in Europe.</li> </ul> <p><b>10 MCQ FROM THE CHAPTER.</b></p> <p><b>Geography</b></p> <ul style="list-style-type: none"> <li>• Map activity: Mark areas of black, red, alluvial soils in India.</li> <li>• Make a chart comparing renewable and non-renewable resources.</li> <li>• Draw a table showing major crops, soil, rainfall and states.</li> <li>• Write a farmer’s diary (5-day entry) describing his challenges and practices.</li> </ul> <p><b>10 MCQ FROM THE CHAPTER.</b></p> <p><b>Political Science</b></p> <ul style="list-style-type: none"> <li>• Write 5 features of power-sharing with examples.</li> </ul>

• **Compare Belgium and Sri Lanka in terms of power-sharing.**

• **Make a chart of major political parties in your state.**

**10 MCQ FROM THE CHAPTER.**

### **Economics**

• **Compare India and Sri Lanka using Human Development Index values.**

• **Collect product labels with ISI, FSSAI, AGMARK logos and explain them.**

**10 MCQ FROM THE CHAPTER.**

### **Project Work (Compulsory): Consumer Rights**

**Title: Awareness of Consumer Rights in India**

• **Prepare a 10–12 page file/project using pictures, logos, bills, and slogans.**

• **Include:**

**1. Meaning and importance of consumer rights**

**2. Six consumer rights explained with examples**

**3. Real or fictional case study: Filing a consumer complaint**

**4. Logos & labels – ISI, AGMARK, FSSAI, Hallmark (paste actual product images)**

**5. Poster: “Jago Grahak Jago”**

**6. Your role as a responsible consumer**

**7. Conclusion: Why consumer education matters**

**A.I**

**Homework based on Chapter - ICT Skills  
(to be done in your AI Subject notebook)**

**Write the answers of the following questions.**

1. What do you understand by the two terms (a) ICT (b) ICT Skills
2. What is an Operating System (OS)? List at least five functions of OS.
3. Name different types of OS mentioned in your chapter and describe each in one line.
4. What is Fire wall , Cookies?
5. What are the steps to Copy a file from desktop to a folder ?
6. What are the steps to restore a file from Recycle bin and where will it be found after restore?
7. What is Virus?
8. What are the symptoms of Virus infection?
9. What measures should be taken to prevent Virus attack?

**Hands on Machine (Just practice on PC, NOT to be done on the notebook )**

1. Identify Desktop screen.
2. Identify following Icons on your PC Desktop Screen and understand what they are used for.  
a) This PC    b) Recycle Bin    c) Task bar    d) Notification Area    e) Date and Time f) Start button
3. Identify the following buttons on any opened Window and remember their shape.  
Minimize, Restore, Maximise, Close button
4. Check how many disk drives your Computer has and see their names and size.
5. On the Computer see the difference between Folder and File.
6. Practice to make Folder ... Sub Folder and any .doc/ .xls File. Try to locate the file which you have created.

## Class – 12 Science

Subject	Home work
ENGLISH	<a href="https://docs.google.com/document/d/13EY8y58n2WzWSTMsa82mCa2mP1GJM2P0QzmWfk-PNr4/edit?usp=sharing">https://docs.google.com/document/d/13EY8y58n2WzWSTMsa82mCa2mP1GJM2P0QzmWfk-PNr4/edit?usp=sharing</a>
BIOLOGY	<ol style="list-style-type: none"><li>1. Practical file writeup as per the sequence shared in the whatsapp group.</li><li>2. Questions at the back of the chapter for chapter 1-3</li><li>3. Additional questions that will be shared in the whatsapp group.</li><li>4. Projects taken up in class 11 will be continued with more data collection, statistical presentation, analysis, inference, conclusion besides historical background &amp; diagrams.</li></ol>
CHEMISTRY	<p><b>CHAPTER- SOLUTIONS</b></p> <p><b>Q.1 Define The terms: (a) Molarity (b) Molality (c) Colligative Properties (d) Azeotropes Mixtures ( e) vent Hoff Factor</b></p> <p><b>Q.2 Differentiate between (i) Ideal and Non Ideal solutions (ii) Maximum and Minimum boiling Azeotrope (iii) Osmosis and Diffusion.</b></p> <p><b>Q.3 State (a) Raoult’s Law for solution containing volatile and nonvolatile solute (b) Henry’s Law</b></p> <p><b>Q.4 Solve NCERT textbook Intext questions, examples and exercise questions of the chapter Solutions.</b></p> <p><b>Q.5 Solve NCERT Exemplar problems of the chapter Solutions.</b></p> <p><b>Q.6 Account for the following:</b></p> <ol style="list-style-type: none"><li>a) Helium is mixed in the gas cylinders of Scuba divers.</li><li>b) Which is a better term for expressing concentration Molarity or Molality and why?</li><li>c) Aquatic species feel comfortable during winter.</li><li>d) Vapour pressure of a liquid decreases when a non-volatile solute is added to it.</li><li>e) Out of 1M Urea and 1M KCl, 1M Urea has higher freezing point .</li></ol>

- f) When 2g of benzoic acid is dissolved in 25g of benzene, the experimentally determined molar mass is always greater than the true value.
- g) Mixture of ethanol and acetone shows positive deviation from Raoult's Law.
- h) The preservation of fruits by adding concentrated sugar solution protects against bacterial infection.
- i) Salt is sprinkled for clearing snow covered roads.
- j) Vapour pressure of a liquid decreases when a non volatile solute is added to it.

**Q.7 What will happen**

- (i) when RBCs are placed in (a) 1% NaCl solution (b) 0.6% NaCl solution.
- (ii) to the boiling point of solution on mixing two miscible liquids showing negative deviation from Raoult's law.
- (iii) when a pressure higher than osmotic pressure is applied on solution side.

**Q.8 How is Henry's law constant related to solubility of gas in a solvent?**

**Q.9 Out of 1M glucose and 2M glucose, which one has a higher boiling point and why?**

**Q.10 Give reasons for the following:**

- (a) When 2g of benzoic acid is dissolved in 25g of benzene, experimentally determined molar mass is always greater than the true value.
- (b) Mixture of ethanol and acetone shows positive deviation from Raoult's Law.
- (c) the preservation of fruits by adding concentrated sugar solution protects against bacterial action.

## **CHAPTER- ELECTROCHEMISTRY**

**Q.1 State faraday's Laws of electrolysis.**

**Q.2 Differentiate between (i) Electrolytic Cell and Galvanic cell (ii) EMF and Potential difference (iii) Electronic and ionic conduction.**

	<p><b>Q.3 Solve NCERT textbook Intext questions, examples and exercise questions of the chapter Electrochemistry.</b></p> <p><b>Q.4 Solve NCERT Exemplar problems of the chapter Electrochemistry.</b></p> <p><b>Q.5 State Kohlrausch law and write its applications.</b></p> <p><b>Q.6 write Electrochemical series or emf series.</b></p> <p><b>Q.7 Define the terms- (a) Electrode Potential (b) Oxidation (c) Reduction</b></p> <p><b>Q.8 Calculate the time to deposit 1.5g silver at cathode when a current of 1.5 A is passed through the solution of <math>\text{AgNO}_3</math> .</b></p> <ul style="list-style-type: none"> <li><b>* To solve questions of the chapter Solution and Electrochemistry given in sample paper 2024 as release by CBSE for 2025</b></li> <li><b>* Complete your practical record .</b></li> <li><b>* make an investigatory project for final examination as per your reach available resources.</b></li> <li><b>* Solve at least 10 questions from the chapters mentioned above which have been asked in JEE or NEET exam in the previous years.</b></li> </ul>
<p><b>Physics</b></p>	<p><b>CHAPTER 1 – ELECTRIC CHARGES AND FIELDS</b></p> <p><b>CHAPTER 2 – ELECTROSTATIC POTENTIAL AND CAPACITANCE</b></p> <p><b>Q.1 Define the following terms:</b></p> <ul style="list-style-type: none"> <li><b>(a) Electric charge</b></li> <li><b>(b) Conductors and insulators</b></li> <li><b>(c) Quantisation of charge</b></li> <li><b>(d) Coulomb’s Law</b></li> <li><b>(e) Electric field intensity</b></li> <li><b>(f) Electric flux</b></li> <li><b>(g) Gauss’s Law</b></li> </ul> <p><b>Q.2 Differentiate between the following:</b></p> <ul style="list-style-type: none"> <li><b>(i) Conductors and Insulators</b></li> <li><b>(ii) Uniform and Non-uniform Electric Fields</b></li> <li><b>(iii) Electric Dipole and Magnetic Dipole</b></li> <li><b>(iv) Electric Field Lines and Magnetic Field Lines</b></li> </ul>

**Q.3 State and explain the following laws:**

- (a) Coulomb's Law**
- (b) Superposition Principle**
- (c) Gauss's Law with applications**
- (d) Principle of Conservation of Charge**

**Q.4 Solve all NCERT textbook Intext questions, examples and exercise questions of Chapter 1 and Chapter 2.**

**Q.5 Solve all NCERT Exemplar Problems of Chapter 1 and Chapter 2.**

**Q.6 Answer the following reasoning-based questions:**

- (a) Why can electric field lines never intersect?**
- (b) A plastic comb rubbed with dry hair attracts small bits of paper. Why?**
- (c) Electric field inside a conductor is always zero. Why?**
- (d) What is the net electric flux through a closed surface enclosing an electric dipole?**
- (e) A point charge is placed at the centre of a cube. What is the electric flux through each face?**
- (f) Why is electrostatic potential constant throughout the volume of a conductor?**
- (g) What happens to the capacitance when a dielectric is inserted between the plates of a capacitor?**
- (h) Why are capacitors used in camera flashes and pacemakers?**
- (i) State the effect of increasing the distance between the plates of a parallel plate capacitor.**
- (j) Explain the concept of equipotential surfaces.**

**Q.7 What will happen in the following situations:**

- (i) A dielectric is inserted between the plates of a charged capacitor with battery disconnected.**
- (ii) A point charge is brought near a grounded conductor.**
- (iii) Two like charges are brought closer.**
- (iv) The radius of a spherical conductor is increased keeping charge constant.**

**Q.8 Derive an expression for:**

- (i) Electric field due to a uniformly charged infinite line of charge using Gauss's Law.**
- (ii) Electric field due to a uniformly charged infinite plane sheet.**
- (iii) Potential due to an electric dipole on axial and equatorial line.**
- (iv) Capacitance of a parallel plate capacitor with and without dielectric.**



	<p>Solve at least 10 previous years' questions from JEE/NEET (Physics) related to Electric Charges and Fields and Electrostatic Potential and Capacitance.</p> <p><b>Q.10</b> Practice solving Sample Paper 2024 (released by CBSE for 2025 board exams) for the above chapters.</p> <p><b>Q.11</b> Complete your Physics Practical Record upto 3 practical and write any two investigatory projects from the CBSE list using materials available at home.</p> <p><b>Q.12</b> Attempt the following application-based HOTS questions:  (a) Why is lightning conductor placed at the top of buildings?  (b) Why is earthing necessary in electrical appliances?  (c) Two capacitors of unequal capacitance are connected in parallel and then charged. Which one stores more energy and why?  (d) Why does a bird sitting on a high-voltage wire not get electrocuted?  (e) Can electric potential be zero at a point where the electric field is not zero? Explain.</p>
<p><b>MATHEMATICS</b></p>	<p>1. PYQ OF CHAPTER 1, 2 &amp; 3 OF SET- 1 FROM ALSACE (CBSE)- OF LAST 05 YEARS (20 21,22,23,24,25.)</p> <p>2. <u>ACTIVITIES</u> - (TO BE DONE IN A SEPARATE ACTIVITY FILE)</p> <p>1. TO VERIFY THAT THE RELATION R IN THE SET L OF ALL LINES IN A PLANE, DEFINED BY <math>R = \{(L, M) : L \perp M\}</math> IS SYMMETRIC BUT NEITHER REFLEXIVE NOR TRANSITIVE.</p> <p>2. TO VERIFY THAT THE RELATION R IN THE SET L OF ALL LINES IN A PLANE, DEFINED BY <math>R = \{(L, M) : L \parallel M\}</math> IS AN EQUIVALENCE RELATION.</p> <p>3. TO DRAW THE GRAPH OF <math>\sin^{-1} x</math> USING THE GRAPH OF <math>\sin x</math> AND DEMONSTRATE THE CONCEPT OF MIRROR REFLECTION (ABOUT THE LINE <math>y = x</math>).</p> <p>4. TO EXPLORE THE PRINCIPAL VALUE OF THE FUNCTION <math>\sin^{-1} x</math> USING A UNIT CIRCLE.</p>



```
i) A = "computer"

for ch in A:

    print( ch , " - ")
```

```
ii) A = "Hello"

if "He" in A :

    print("He is found")

else

    print("He is missing")
```

```
iii) A = 'b'

print( ord(A) )
```

```
iv) A = " Hello How ARE YO
"

B = A.lower( )

C = A.upper( )

print(A , B , C)
```

```
v) word = "computer"

print(word[ 4 : ] , word[ : 4] )

print(word[ 4 : ] + word[ : 4] )

print(word[ : -8 ] , word[ -8 : ] )

print(word[ : -8 ] + word[ -8 : ] )

print( word[ 7 : 10 ] )

print(word[ : -8 ] , word[ -8 : ] )
```

**3. Write Python programs and must practice on the PC or Pydroid app on mobile**

- 1. WAP to accept a number from the user and check if it is Even/ Odd.**
- 2. WAP to accept a number from the user and if it's a odd number find its cube otherwise reduce the number by 10.**

3. WAP to accept a number from the user and check the Day of the week using if---elif

#### String based

4. WAP to accept a string from the user and print each letter of the string on a separate line.
5. WAP to accept a string and count the number of vowels it contains.
6. WAP to accept a string and count the number of alphabets, number of digits, number of spaces, number of special characters.
7. WAP to accept a string and check if it is palindrome or not. Palindrome – means if the string is the same as its reverse. E.g MADAM, MALAYALAM are palindrome strings.

#### List based

8. WAP that creates a list of all the integers less than 100 and are multiple of 3 or 5.
9. WAP that takes any two lists L and M of the same size and adds their elements together to form a new list N whose elements are sums of the corresponding elements in L and M. e.g. if L = [1 , 2 , 3] and M = [5 , 6 , 7] then N should be [ 6 , 8 , 10 ] .
10. WAP to accept a list of numbers and rotate the numbers by 1 step. E.g if input is [ 10, 20, 30, 40 ] output should be [ 40, 10 , 20, 30]

#### Dictionary based

11. WAP to create a dictionary of a student name and his phone number. It should have 5 names. Name and roll no should be accepted from the user through the program.
12. WAP to accept a sentence from the user. Find the frequency of occurrence of each word using a dictionary. E.g if input is - Hello

	<p>how are you how are they    Output - { "Hello" : 1, "are" : 2, "you" : 1, "they" : 1 }</p>
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### Class – 12 Commerce

Subject	Home work
English	<a href="https://docs.google.com/document/d/13EY8y58n2WzWSTMsa82mCa2mP1GJM2P0QzmWfk-PNr4/edit?usp=sharing">https://docs.google.com/document/d/13EY8y58n2WzWSTMsa82mCa2mP1GJM2P0QzmWfk-PNr4/edit?usp=sharing</a>
ACCOUNTANCY	<a href="https://docs.google.com/document/d/1uv5SajpnPsSK_Qmu33t-Dud53-rcPHOc/edit?usp=drive_link&amp;oid=118320680057845482835&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1uv5SajpnPsSK_Qmu33t-Dud53-rcPHOc/edit?usp=drive_link&amp;oid=118320680057845482835&amp;rtpof=true&amp;sd=true</a>
B STUDIES	<a href="https://docs.google.com/document/d/1uv5SajpnPsSK_Qmu33t-Dud53-rcPHOc/edit?usp=drive_link&amp;oid=118320680057845482835&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1uv5SajpnPsSK_Qmu33t-Dud53-rcPHOc/edit?usp=drive_link&amp;oid=118320680057845482835&amp;rtpof=true&amp;sd=true</a>

हिंदी	<p>परियोजना कार्य की फाइल पूरी करें</p> <p>पिछले पेपरो में आए पांच अपठित गद्यांश और पांच अपठित काव्यांश हल करें।</p>
Economics	<ol style="list-style-type: none"> <li>1. Complete your notebooks in all respects.</li> <li>2. Start collecting materials like latest data, pictures etc for Project Work.</li> <li>3. Do 60 numericals of measurement of National Income by Income, Product and Total Expenditure Method in a separate note book.</li> <li>4. Learn all concepts related with basic concepts of Macro Eco., National Aggregates and measurement of National Income.</li> <li>5. Read chapter Money and Banking and Indian Economy on the Eve of Independence and prepare 50 questions and answers.</li> </ol>
MATHEMATICS	<p>2 &amp; 3 OF SET- 1 FROM ALSACE (CBSE)- OF LAST 05 YEARS (20</p> <p><b>2. ACTIVITIES - (TO BE DONE IN A SEPARATE ACTIVITY FILE)</b></p> <ol style="list-style-type: none"> <li>1. TO VERIFY THAT THE RELATION R IN THE SET L OF ALL LINES IN A PLANE, DEFINED BY <math>R = \{(L, M) : L \perp M\}</math> IS SYMMETRIC BUT NEITHER REFLEXIVE NOR TRANSITIVE.</li> <li>2. TO VERIFY THAT THE RELATION R IN THE SET L OF ALL LINES IN A PLANE, DEFINED BY <math>R = \{(L, M) : L \parallel M\}</math> IS AN EQUIVALENCE RELATION.</li> <li>3. TO DRAW THE GRAPH OF <math>\sin^{-1} x</math> USING THE GRAPH OF <math>\sin x</math> AND DEMONSTRATE THE CONCEPT OF MIRROR REFLECTION (ABOUT THE LINE <math>Y = X</math>).</li> <li>4. TO EXPLORE THE PRINCIPAL VALUE OF THE FUNCTION <math>\sin^{-1} x</math> USING A UNIT CIRCLE.</li> </ol>

	<p><b>5. TO SKETCH THE GRAPHS OF <math>A^x</math> AND <math>\log_A X</math>, <math>A &gt; 0</math>, <math>A \neq 1</math> AND TO EXAMINE THAT THEY ARE MIRROR IMAGES OF EACH OTHER.</b></p>
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