

# KRISHNAMURTY WORLD SCHOOL

Jaripada, Near Pratap Nagri, Cuttack-11

## Holiday Homework 2024

STD: VII

### For Models:


- ❖ Kindly follow the instruction provided by the subject teachers.

### For Project Report:

- ❖ Use A4 size paper only.
- ❖ Avoid taking printouts.
- ❖ Use blue / black ball pen to write.
- ❖ Maintain the front page, index page properly.
- ❖ Put all project report in a transparent stick file with proper labeling.

**NB:** For any help or assistance, contact the respective subject teachers.

Subject	Project
Mathematics	<p><b>Project</b> Collect a A4 size paper or chart paper .Draw a colour boarder with 2cm .</p> <p><b>Assignment</b> 1. Write the following a. What is integers b. Rules of integers c. Properties of integers with example 2. Do the following question in maths copy a. <math>2 + (-5) + 8</math> b. <math>7 \times (-12)</math></p>
Science	<p><b>Physics</b> Question 1. In a mercury thermometer, the level of mercury rises when its bulb comes in contact with a hot object. What is the reason for this rise in the level of mercury? Question 2. Shopkeepers selling ice blocks usually cover them with jute sacks. Explain why. Question 3. The radiators in cars are painted black. Explain why. Question 4. To keep her soup warm, Paheli wrapped the container in which it was kept with a woollen clothes. Can she apply the same method to keep a glass of cold drink cool? Give reason for your Answer Question 5. While constructing a house in a coastal area, in which direction should the windows preferably face and why? Question 6. If a pan is removed from the fire, then why does it cool down? Question 7. It is preferred to use two thin blankets rather than one thick blanket. Explain the reason. Question 8. Why is it advised not to hold the thermometer by its bulb while reading it? Question 9. Briefly mention one application of kink in the clinical thermometer. Question 10. Is the body temperature of every person <math>37^{\circ}\text{C}</math>?</p> <p><b>Chemistry</b> <b>A. Fill in the blanks.</b> 1. ——— taste sour and are found in lemon, ——— 2. ——— is an indicator that turns pink in a basic medium. 3. Bees and wasp sting causes pain because it contains ——— acid.</p>

  
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4. Salts of nitric acid (HNO<sub>3</sub>) are named as ———.
5. Sodium acetate is a ——— salt as it is formed by reaction of a weak acid and a strong base.

**B. Write true or false.**

1. Mineral acids are formed from the minerals present in the earth. —.
2. Salts of acetic acid are called sulphates. —.
3. Solutions of salts in water can conduct electricity. —.
4. Alkalies are bases which are soluble in water. —.
5. Acetic acid is a mineral acid. —.

**C. Match the following.**

A	B
1. Citric acid.	Sodium acetate
2. Nitric acid.	Mild base
3. Basic salt	Organic acid
4. Litmus paper	Mineral acid
5. Antacid.	Indicator

**D. Answer the following briefly.**

1. Name some vegetables and fruits that contain organic acids.
2. Differentiate between strong and weak acids with examples.
3. What are acids made in the factories called?
4. Explain how an antacid works.
5. ——— + H<sub>2</sub>SO<sub>4</sub> ———→ K<sub>2</sub>SO<sub>4</sub> + ———

**E. Answer the following.**

1. Differentiate between.
  - a. Acidic salts and basic salts
  - b. Bases and alkalies
2. Complete -  
NaOH + ——— ———→ NaCl + ———.
3. Name two indicators and explain how are they used to test acids & bases.
4. How is acid rain formed and how is it harmful?
5. Write an activity to show that a salt solution is a good conductor.

**F. Pick the correct option.**

1. Salts of HCl are
  - a. Chlorides
  - b. Sulphates
  - c. Sulphites
  - d. None
2. Examples of neutral salts are
  - a. NaCl
  - b. KCl
  - c. KNO<sub>3</sub>
  - d. All of above
3. These can be used as natural indicators
  - a. Turmeric
  - b. China rose petals
  - c. Spirit
  - d. Both a & b
4. Blue litmus will change to red in
  - a. Lemon juice
  - b. Orange juice
  - c. Vinegar
  - d. All of above
5. Which of these are alkali?

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	<p>a. NaOH b. KOH c. Both a &amp; b d. None</p> <p>6. Which of these are acidic salts? a. AlCl<sub>3</sub> b. ZnSO<sub>4</sub> c. CuCl<sub>2</sub> d. All of these</p> <p>7. ——— is a basic salt. a. Sodium acetate b. Sodium hydroxide c. Both a &amp; b d. Neither a nor b</p> <p>8. Colour of litmus will change from red to blue in a. Sodium acetate b. Sodium hydroxide c. HCl d. Both a &amp; b</p> <p>9. Salts of carbonic acid are called a. Acetates b. Sulphates c. Carbonates d. None of these</p> <p>10. Soap solution will change — litmus to —. a. Blue to red b. Red to blue c. No change d. Dark pink to green.</p> <p><b>G. Time to test and be a scientist in your Home lab.:</b> <b>Learn to prepare an indicator each from Hibiscus petals and from turmeric. Use them to test on lemon juice and soap solution separately and write your conclusion in the note book.</b></p> <p><b>Biology</b> <i>विज्ञानमूर्त्यु वर्गवे इच्छते</i> Make a 3D model to show photosynthesis in plants.</p>
Hindi	<p><b>Project:</b> विभिन्न प्रकार के 5 पक्षियों के चित्र चिपकाकर उनके विषय में 3 - 3 लाइन लिखिए। A4 size paper only</p> <p><b>Assignment:</b> भाषा के विभिन्न स्वरूपों के नाम तथा परिभाषा अपनी हिंदी व्याकरण कॉपी में लिखिए।</p>
Odia	<p><b>Project.</b> ଗୋପାଳଚନ୍ଦ୍ର ପ୍ରହରାଜଙ୍କ ସମ୍ପର୍କରେ ଲେଖି ତାଙ୍କର ଯେକୌଣସି ଗୋଟିଏ ରଚନା ସମ୍ପର୍କରେ ୨୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଲେଖି । ଆମ ଘରର ହାଲତାଳ ଅଭ୍ୟାସ କରିବ ।</p>
Sanskrit	<p>1.(5) 'ल'कारस्य नामानि अर्थः च लिख । 'पठ्' धातोः पञ्च लकारस्य रूपं लिख । ( पुरुषः वचनेन सह । ) A4 size paper</p>
Computer	<p>Number system. Make a 3D model to demonstrate different number systems used in computer.</p>

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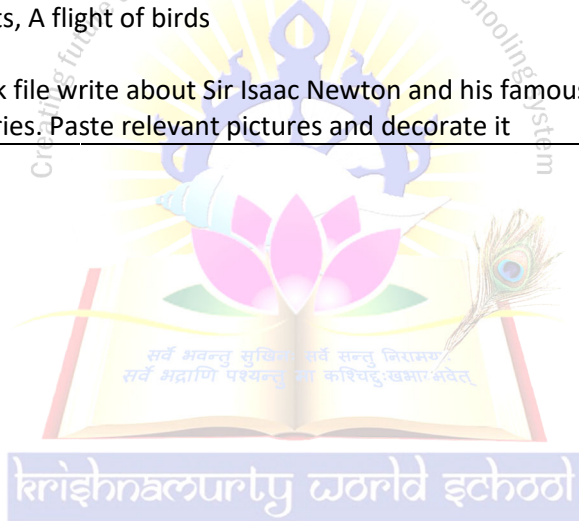
	<p>Write their base, symbols used with an example. Decorate it as per your convenience with colors and glitters. <a href="https://images.app.goo.gl/9yVbrj8hX9ZLFPC8">https://images.app.goo.gl/9yVbrj8hX9ZLFPC8</a> Refer this to get some idea. You might make your model with some different ideas.</p>
SST	<p>Assignment</p> <ol style="list-style-type: none"> <li>1. Who was Al-Idrsi?</li> <li>2. Who used the term Hindustan for the first time? When</li> <li>3. What are the different historical sources?</li> <li>4. What is archive?</li> <li>5. The word Rajput derived from_____.</li> <li>6. _____ draws the map.</li> <li>7. Who was Ziyauddin Barani?</li> <li>8. Who used the term Hind?</li> <li>9. Who are Scribes?</li> <li>10. Name the new crops introduced in the Medieval period.</li> <li>11. Mention the technological changes occurred in the Medieval period.</li> <li>12. What are the two ways that government has tried to implement equality that guaranteed in the Constitution?</li> <li>13. What are the Provisions made in the Constitution for recognition of equality?</li> <li>14. Write a brief note on Civil rights movement.</li> <li>15. Dalit means_____</li> <li>16. What is Universal Adult Franchise?</li> </ol> <p style="text-align: center;">Geography ( Project)</p> <p>1. Write a project on the topic of " Environmental Degradation: it's causes and consequences. "</p> <p>Or</p> <p>2. Write a project on the topic "An ecosystem :its structure and functions. "</p>
English	<p>Write the collective nouns in your copy and remember all of it. (Some nouns maybe repeated. Do not write the repeated nouns)</p> <p>A class of students, A cloud of dust, A cluster of coconuts, A colony of badgers, A company of actors, A hand of bananas, A harvest of wheat, A heap of rubbish, A hedge of bushes, A library of books, A pack of cards, A packet of letters, A pair of shoes, A party of friends, A ream of paper, A reel of film, A set of clubs, A sheaf of grain, A stack of wood, A string of horses, A string of pearls, A stud of horses, A swarm of bees, A team of oxen, A team of players, A tribe of natives, A troop of scouts, A wad of notes, Agenda of tasks, Fitting of sails, Fleet of boats, Fleet of cars, Fleet of vehicles, Flight of stairs, Garland of sonnets, Herd of curlew, Mob of deer, Pack of cards, Pod of birds, Quiver of arrows, Range of mountains, Roll of coins, Rope of onions, Rope of pearls, Rouleau of money, Round of drinks, Sloth of bears, Serving of spoons, A galaxy of stars, a range of mountains, a ream of paper, a reel of film, a set of clubs, a sheaf of grain, a shower of rain, a stack of wood, a string of pearls, a wad of notes, a chest of drawers, a cluster of coconuts, a cloud of dust, a party of friends, a patrol of policemen, a posse of policemen, a regiment of soldiers, a staff of employees, a team of players, a tribe of natives, a troop of scouts, a bunch of crocks, a caravan of gypsies, a choir of singers, A heap of rubbish, A hedge of</p>

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bushes, A library of books, An outfit of clothes, A pack of cards, A packet of letters, A troop of scouts, An orchard of fruit trees, A bunch of crocks, A pair of shoes, A quiver of arrows, A range of mountains, A ream of paper, A reel of film, A set of clubs, A sheaf of grain, A book of notes, A bouquet of flowers, A bowl of rice, A bunch of keys, A bundle of sticks, A catalog of prices, A chest of drawers, A cluster of coconuts, A cloud of dust, A party of friends, A patrol of policemen, A clump of bushes, A battery of guns, A block of flats, A dynasty of kings, A flight of airplanes, A stack of wood, A nest of mice, A pack of wolves, A line of kings, A posse of policemen, A regiment of soldiers, A staff of employees, A team of players, A tribe of natives, A company of actors, A haul of fish, A string of horses, A stud of horses, A swarm of bees, A colony of badgers, A sloth of bears, A host of sparrows, A pod of birds, A chatter of budgerigars, A herd of cattle, A hive of bees, A team of oxen, A herd of curlew, An anthology of poems, A flight of stairs, A garland of Sonnets A group of dancers, A catch of fish, A colony of gulls, A school of whales, A gang of prisoners, A flock of sheep, A shower of rain, A mob of deer, A band of musicians, A litter of cubs, A shoal of fish, A bevy of ladies, A board of directors, A crew of sailors, A body of men, A gaggle of geese, A fleet of vehicles, A bevy of quail, A cloud of insects, A drove of horses, A string of pearls, A wad of notes, An agenda of tasks, An anthology of prose, A hand of bananas, A basket of fruit, A mob of rioters, A pack of thieves, A batch of bread, A galaxy of stars, A fleet of boats, A fleet of cars, A troupe of artists, An army of ants, A group of islands, A forest of trees, A hail of bullets, A flight of birds

**Project**

In a stick file write about Sir Isaac Newton and his famous inventions and discoveries. Paste relevant pictures and decorate it



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