



COLUMBIA FOUNDATION SCHOOL

D – Block, Vikas Puri, New Delhi - 110018

save water



Only **0.01%** of all water on earth is fresh water that we can use.



HOLIDAY HOMEWORK

CLASS-8

ACADEMIC SESSION: 2019-20

Dear Parents

Summer holidays are here and it's time for children to learn, grow and enjoy. They must be given a chance to pursue their interests and hobbies and to develop skills and foster creativity.

GENERAL INSTRUCTIONS

- Holiday homework for all the subjects should be done on A3-size sheets compiled together.
- Paste relevant pictures according to the topic.
- The folder for keeping the sheets should be made using waste material.
- All the models should be prepared using bio-degradable/waste material (shoe box, wedding card, buttons, bangles, used pens, waste cloth, dupattas, etc.)
- Holiday Homework will be assessed on the basis of certain parameters (neatness, presentation, creativity etc).
- DSLP- **'All about celebrating literacy'**.
Columbia Foundation School is working in collaboration with Springdales School to create awareness about the importance of education.
Be a part of the campaign 'Each One Teach One' and illuminate the path of education.

PROJECT BASED HOLIDAY HOMEWORK

1. Make a colorful poster on "Save Water Save Life". Write a catchy slogan on A3-size sheet.
2. Have you heard about the water man Rajendra Singh? Find out his contribution towards water conservation & write it on a cartridge sheet.
3. What would happen if water would perish from the earth? Write your viewpoint on A4-size sheet.
4. Plastic production is increasing day by day inspite of the fact that plastic is harmful for the environment and health. If you look around your home you will find number of them.
 - a. Make a list of 20 plastic items that you can take notice around you and how can you reuse/reduce/recycle them.
 - b. What re the harmful effects of keeping food in plastic containers & water in plastic bottles?
 - c. In a day to day situation, what are the alternatives that we can use instead of plastic?

Plastic objects	Reuse as	Alternative
Plastic jar(for keeping pulses)	Flower vase	glass jar

Plastic container(for kneading the dough)	Plant holder	large steel bowl
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5. Plant a sapling in a well decorated **Teracotta pot**. Take care of it and bring it to school after the holidays are over. Paste a suitable slogan on it.
6. Plant a sapling in **2 litre soft drink bottle** for the purpose of vertical garden and decorate it beautifully.
7. Make a bird house.
8. Make a well using plastic bottle.

VIII-A
Why are the seas named red, white and yellow, black? Write the reasons on a pastel sheet.
VIII-B
Write 10 curious facts about different rivers of the world on a pastel sheet.
VIII-C
Write 10 cool facts about glaciers on a pastel sheet.

Prepare Models As Per The Assigned Roll Nos.

CLASS VIII-A
1. WATER CYCLE (Roll No.1,2)
2. SOURCES OF WATER:
Natural springs
a. Deception Island Hot Spring (Near Antarctica) (Roll No.3,4)
b. Cascade Del Mulino (Italy) (Roll No.5,6)
c. Blood Pond Hot Spring (Japan) (Roll No.7,8)
d. Minerva Terrace (U.S) (Roll No.9,10)
Lakes
a. Lake Baikal (Russia) (Roll No.11,12)
b. Lake Victoria (Africa) (Roll No.13,14)
c. Chilika Lake (Odisha) (Roll No.15,16)
d. Indira Sagar Lake (M.P) (Roll No.17,18)
e. Nagarjuna Sagar Lake (Telangana) (Roll No.19,20)
Oceans
a. The Atlantic Ocean(Roll No.21,22)

- b. The Arctic Ocean (Roll No.23,24)
- c. The Pacific Ocean (Roll No.25,26)
- d. The Indian Ocean (Roll No.27,28)

Rivers

- a. Ganga (India) (Roll No.29,30)
- b. Yamuna (India) (Roll No.31,32)
- c. Brahmaputra (India) (Roll No.33,34)
- d. Amazon (South America) (Roll No.35 To 37)
- e. Nile (Egypt) (Roll No.38,39)
- f. Rhine (Switzerland) (Roll No.40,41)

CLASS VIII-B

Glaciers

- a. Perito Moreno (Argentina) (Roll No.1,2)
- b. Margerie Glacier (Alaska) (Roll No.3,4)
- c. Pasterze Glacier (Austria) (Roll No.5,6)
- d. Biafo Glacier (Pakistan) (Roll No.7,8)

Seas

- a. Mediterranean Sea (Roll No.9,10)
- b. Arabian Sea (Roll No.11,12)
- c. Coral Sea (Roll No.13,14)
- d. Black Sea (Roll No.15,16)
- e. Dead Sea (Roll No.17,18)

Streams

- a. Alluvial Fans (Roll No.19,20)
- b. Braided Stream (Roll No. 21,22)
- c. Deltas (Roll No. 23,24)
- d. Ephemeral Stream (Roll No. 25,26)
- e. Meanderina Stream (Roll No. 27,28)
- f. Perennial Stream (Roll No.29,30)

Wells

- a. Working model of a well (Roll No. 31)
- b. Non working model of a well(Roll No. 32)

3. USES OF WATER

- a. Domestic Purpose (Drinking, Cooking, Bathing, Washing) (Roll No. 33,34)
- b. Agriculture (Farming, Gardening, Fisheries) (Roll No. 35,36,37)
- c. Industrial (Manufacturing) (Roll No.38,39,40)
- d. Recreation (Swimming ,Rafting, Boating) (Roll No.41,42)
- e. Hydro Power Generation (Roll No.43,44,45)

CLASS VIII-C

4. CAUSES OF WATER POLLUTION

- a. Sewage And Waste Water (Roll No.1,2)
- b. Dumping Of Solid Waste & Litter In Water Bodies (Roll No.3,4)
- c. Industrial Waste (Roll No.5,6)
- d. Oil Pollution (Roll No.7,8)
- e. Acid Rain (Roll No.9,10)
- f. Global Warming (Roll No.11,12)
- g. Eutrophication (Roll No.13,14)

5. EFFECTS OF WATER POLLUTION

- a. Destruction Of Aquatic Life(Roll No.15,16)
- b. Disruption Of Food Chain (Roll No.17,18)
- c. Health Problems (Roll No.19,20)

6. WATER CONSERVATION

- a. Rainwater Harvesting (Roll No.21,22)
- b. Drip Irrigation (Roll No.23,24)
- c. Sprinkler Irrigation (Roll No.25,26)
- d. Dams:
 - i. Three Gorges Dam (China) (Roll No.27)
 - ii. Itapúa (Brazil) (Roll No. 28)
 - iii. Guri (Venezuela) (Roll No. 29)
 - iv. Tucurui (Brazil) (Roll No.30)
 - v. Grand Coulee (Roll No.31)
 - vi. Indira Sagar Dam (India) (Roll No.32)
 - vii. Krishnaraja Sagar Dam (Karnataka) (Roll No.33)
 - viii. Maithan Dam (Jharkhand) (Roll No.34)

7. TIDAL POWER GENERATING TECHNIQUES

- a. Tidal Stream Generator (Roll No.35,36)
- b. Tidal Barrage (Roll No.37,38)
- c. Dynamic Tidal Power (Roll No.39,40)
- d. Tidal Lagoon (Roll No.41,42)

8. TOP 5 BIGGEST TIDAL POWER PROJECTS

- a. Swansea Bay Tidal Lagoon (Wales)(Roll No. 43)
- b. Rance Tidal Power Station (France) (Roll No. 44)
- c. Sihwa Lake Tidal Power Station (South Korea) (Roll No. 45)
- d. Meygen Tidal Stream Project (Scotland) (Roll No. 46)
- e. Jiangxia Pilot Tidal Power Plant (China) (Roll No. 47)

9. SEWAGE WATER TREATMENT PLANT (Roll no 48)

English

Do any three questions

1. Water is precious and the very basis of life but every day we face lot of problems due to the scarcity of water. You are Sahil/Sonam residing at 25, Vasant Kunj, Delhi. One of your cousins who lives in Rajasthan visits you during summer vacation. There is a lack of adequate drinking water in your area. Discuss the matter with your cousin and write at least 8 - 10 dialogues each between you and your cousin discussing about the water scarcity, its availability and usage of water in his area. Write the measures that can be taken.
2. Imagine that one day you got up in the morning and found that there was no water in the taps as the water was not supplied due to the cleaning of water tank in your area. Everybody in your home was getting late to go to school or any other work place. Write a paragraph in 200 words describing the problems faced by you and your family on that day.
3. Summer should be relaxed time when your love for reading can bloom. Enhance your reading skills by reading at least one classic novel (e.g. Matilda by Roald Dahl, Huckleberry Finn by Mark Twain, The Little Prince by Antoine De Saint). Prepare a book review in the form of a booklet.
 - a. Name of the book

- b. Name of the author
 - c. Pictures of all the characters(Write 3-4 lines about each character)
 - d. Details about the character you liked the most
 - e. Summary of the story in your own words (200 words)
4. Movies are entertaining and provide us with vast knowledge too. Watch any one movie (Avengers: the Infinity War, Jurassic World: Fallen Kingdom, Ant Man & the Wasp, The Beauty and the Beast, Solo: a Star War Story). Prepare a movie review in the following form:
- a. Name of the movie
 - b. Writer ,producer, director ,caste
 - c. Genre: what kind of movie it is?
 - d. What did you like about the movie in detail(200 words)
 - e. Rating using stars

MATHS

Q1.On an average, a person uses 40 litres water for his routine activities. Count the members of your family .Calculate the total consumption of water in your home each day. Enter the data in tabular form and indicate the usage of water in different activities. Convert the data into percentage and prepare a colourful pie chart. For example one person uses 2 litres of water for drinking. Therefore total consumption by four members = $2 \times 4 = 8$ litres ($8 / 40 \times 100 = 20\%$)

Q2.Given below is the data of the population of India % with access to improved source of water. Using the given information, draw a double bar graph.

year	urban %	rural %
1990	88	63
1995	90	70
2000	93	77
2005	95	85
2010	97	100

Q3.Complete chapter-1, 6,7 ,12 from drill mathematics with the help of pencil.

Q4. a. How can you add eight 8's to get number 1,000 only use addition?

b. If you multiply this no. by any other number the answer will always be the same. What number is this?

c. If Radha is the 50th fastest and slowest runners in her school, how many students are there in her school?

SCIENCE

1. We need to reuse our water resources to curb its wastage and misuse. Write any 5 such ways in which we can reuse water in our homes as well as in schools. Use beautiful pictures and diagrams to explain the same.
2. Investigate the level of awareness about water pollution in your area. Collect data of the sources of drinking water and the methods of sewage disposal.
3. Rain water harvesting system is set up in our school as it is the need of the hour.
 - Do you agree? Write your viewpoint.
 - Write its pros and cons.
 - Draw a well labeled colourful diagram.

SOCIAL STUDIES

1. On the map of India, mark all the perennial and seasonal rivers.
2. Make a comparative study of the condition of rivers in Europe and India.
3. Rivers are the main source of drinking water but human beings keep on polluting them by throwing garbage, chemicals, etc. in them. Keeping in view a great threat to river water, the government has recently started a project to clean the river. Find out some information about cleaning of river Ganga .Make a collage using pictures showing polluting of Ganga on one side and cleaning of the river on the other side.

COMPUTER

1. Create an item out of e-waste like CDs, Mouse etc.
2. Create a poster on A3-size sheet of any of the following topics:
 - Cyber Safety
 - Cloud Computing
 - Artificial Intelligence

हिन्दी

(क) पिछले कुछ सालों से हिमालय से निकलनेवाली नदियों में क्या-क्या बदलाव आए हैं? स्पष्ट कीजिए

(ख) जल के बिना जीवन असंभव है। इस कथन के आधार पर जल की उपयोगिता पर एक कविता लिखिए।

(ग) जल ही जीवन है। जल से संबंधित विभिन्न कवियों के द्वारा शक्ति कुछ दोहे लिखिए।