



**Bal Bharati**  
**PUBLIC SCHOOL**  
NAVI MUMBAI

## **SUMMER HOLIDAY HOMEWORK 2024-25**

### **CLASS 9**

**Theme: Water.... An elixir of life.**

**Last date of submission (All Subjects): 14/06/2024**

### **ENGLISH**

Water is the primary and essential need of every living organism. It is the most precious gift by nature that helps in survival. 70% of our body is filled with water, which is why it is an essential part of our life.

Even though it is important, we still face a lot of problems due to its scarcity. Prepare a comic strip, in about 200 words, reflecting the water crisis in your locality. Also, suggest possible solutions to the situation.

Instructions:

The cover page must include the name, class section, and the academic year.

The above activity must be handmade and not digital. A-4 papers to be used. Not more than 5 sheets.

Draw or stick pictures wherever applicable, and try to make them attractive and presentable.

### **HINDI:**

कक्षा : ९

\*'जल है तो कल है'\*

धरती पर जीवन के अस्तित्व को बनाए रखने के लिए जल का संरक्षण बहुत ज़रूरी है क्योंकि जल के बिना जीवन संभव नहीं है। जल संकट से बचने हेतु कई सरकारी व गैरसरकारी संस्थाएँ जल संरक्षण के लिए काम कर रही हैं। ऐसी किन्हीं पाँच संस्थाओं के बारे में जानकारी एकत्रित कर विवरणिका (Brochure) तैयार कीजिए।

### **SANSKRIT**

‘जलमेव जीवनम्’ आधारेण संस्कृतेन पञ्च श्लोकान् लिखित्वा तेषु श्लोकमाश्रित्य यत्किमपि चित्रद्वयं दर्शयतु॥

(Use A4 Sheet)

## MARATHI

‘जलसंवर्धन काळाची गरज’ या विषयावर खालील मुद्द्यांच्या आधारे निबंध लिहा.  
जलसंवर्धन म्हणजे काय -----महत्व-----आवश्यकता ----उपाय योजना

## MATHS

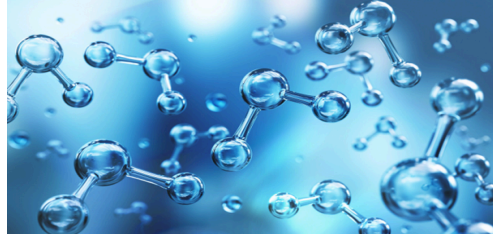
We are all aware that life on earth depends on water. While all animals need water for their survival, many animals have water as their habitat.

On an A4 sized plain paper, construct a Square root Spiral from  $\sqrt{2}$  to  $\sqrt{17}$  or  $\sqrt{19}$ .

Show the spiral as a body part of an aquatic animal or an amphibian . Name the animal. Color it along with its habitat in the background.

Submit in a file with the topic and student details on the cover page.

## SCIENCE



Water, or to be precise clean water is the elixir of life. Pure water is not just essential to public health but also to energy and agricultural production. Unfortunately, there is not enough drinking water to meet the requirements of all the people in the world.

By 2025, there will be a major water shortage of clean water in places like Africa, India, China and the Middle East. Since water is a limited resource and it is important to each of us every day, water conservation is essential.

\*Make a project comparing the methods of conserving water in ancient versus modern times.

\*"The power obtained by river and ocean water is called hydro power."

Explain the working principle, advantages and disadvantages of hydroelectric power plants in India.

\*Write at least five chemical reactions involving water and explain them.

\* Present it in the form of a handwritten report with relevant pictures.

## SOCIAL SCIENCE

On 16th April, 2024; heavy rains caused floods in Dubai and affected cities of mainly Dubai and Sharjah.

1. Prepare a file project on the cause and effects of this disaster.
2. Enlist the mitigation strategies to be implemented to avoid such disasters and their effects.

Instructions:

- \*A 4 size sheet (not more than 8 pages).
- \*Pages: cover page, acknowledgement, index, content, collage, bibliography
- \*Picture Collage
- \*Handwritten project

## COMPUTER

Using shades of water like Light blue, Aqua blue, Teal blue, Dark Blue, Sea green etc. do any one of the following activity :

- Draw at least 3 different desktop backgrounds using **three** A4 size papers.(Choose a water scene of your choice and color it with crayons or water colors )
- OR**
- Create any 3 paper craft objects like china fan, layered fish, layered waves ,wall hanging, geometric shapes etc using shaded craft papers/ marble papers.

Capture a picture of each of your drawings OR paper craft you created and paste it in 3 different powerpoint slides . Mention the RGB of the shades you used as shown in the picture below.  
(Hint : Use eyedropper tool to know the RGB of each shade).



RGB (23,36,62)

RGB (170,210,252)

RGB (65,79,133)

**The above file to be uploaded under the Holiday Homework Assignment given in the Computer Google Classroom.**

**ART :**

Poster making

Topic - **Save water**

-sd-

Ms. Kalpana Dwivedi

Principal, BBPS Navi Mumbai