

Water conservation

Water is life! If there were no water, there would be no life! Do you know all life forms of all species of flora and fauna are able to live because of water? Water is the major component of cells, typically forming between 70% and 95% of the mass of the cell. This means 80% of our body mass is water. Not only are we made up of water, it is the only transportation medium that carries the food molecules and oxygen to the cells of every body parts to help the blood. It signifies that water is the most essential ingredient to the functioning of life processes of every organism. So you see living this wonderful life is impossible without water! Water is the force behind all the industry, agriculture, manufacturing and trade and commerce. All forms of energy generation is done using water. Be it hydroelectrically projects, or thermal power plant, or nuclear power plant, water is the key ingredient in all of them. There would be no power without water! The gist of all the points mentioned above is WATER IS INDISPENSABLE for life. No water, no life! So it is our responsibility to conserve this life nectar. It is possible only through by changing our outlook towards this wonderful natural resource. We must ensure there is no pollution of water bodies by dumping any waste such as, sewage, effluents, and other toxic substances. We must also ensure there is no emission of green-house gases into the atmosphere. The people and the government must ensure installation of effluents and smoke treatment plants at industrial, garbage, and sewage units.



Mathematics

Make a colorful poster of water consumption in your home from Monday to Saturday

Draw a Histogram of given information.(Taking scale 1cm= 5 units)

you can take days horizontal (x-axis) and consumption in litres approx. vertically (y-axis)

Or

Make a ppt based on above information with drawing Histogram.

Physics

Model Making: (Subject integration)

Topic: Evaporation and condensation of water

Add role of temperature, surface and wind in evaporation of water.

	0 marks	10 marks	20 marks
Presentation	Not submitted	Illustrate general understanding of the topics.	Illustrate thorough understanding of the topics.
Relevance	Not submitted	Not Covers topic adequately	Covers topic adequately
Cost effective	Not submitted	Not used waste material	Used waste material

Social science

Topic : Water Resources and Conservation.

* Create a model of Hydrological cycle showing how rain water continuously gets recycled in nature through Evaporation, Condensation and Precipitation. (Make use of resources easily available at home).

OR

Prepare a ppt/digital video on Hydrological cycle and suggest methods to conserve water resources.

* On an outline political map of World ,show the following multipurpose river valley projects-

(a) Hirakud Dam in India

(b) Domodar River Valley project in India

(c) Aswan Dam in Egypt

(d) Hoover dam in Egypt

* Collect information about some Multipurpose River Valley Projects of India and then complete the table.

(a) Name of the Project :

(b) River :

(c) Beneficiary States :

Hindi

1: जल संरक्षण पर कविता लिखें।

2: प्राकृतिक जल संसाधनों पर कोलाज बनाएँ।

Punjabi

Jal hai toh kl h, Ya jal hi jeewan h, paani di bacht , paani de corbon chakkar tey koi 1 project ,chart, modal , 3D effect rahi presentation dinde hoye collage bnao !!

ENGLISH

It is extremely hot and the land is parched. Suddenly you see clouds in the sky and it starts drizzling. As the heat is very intense, the tiny drop it start evaporating. Draw and describe the scene in a paragraph (100 to 120 words) or write a self composed home in an A4 sheet .

CHEMISTRY

1.Do the project of evaporation and make a project file of it.

2.Do the assignments already given.

3. Do the questions attached.

4. Perform all the activities covered in chapter one which are used in daily life and make a list of all with your observations. Use only materials which are available at home

Chemistry

Evaporation Topic of project

Format of project

1.Topic of project

2.Definition

3.Factors affecting evaporation

4.Procedure Do the evaporation with all the factors affecting evaporation

5.Observations Write all observations in a tabular form and plot graphs of evaporation with all affecting factors

6.Conclusions Write conclusions which you have obtained by your experiments of evaporation

Matter in our surroundings

The values of latent heat of vaporization of four liquids are given in the table.

Liquid	Latent heat of vaporization(J/Kg)	Boiling Point (K)
A	2.3×10^5	373
B	1.4×10^6	240
C	8.6×10^5	351
D	3.0×10^5	629

Answer the following questions based on the given information.

- 1.Which liquid produces maximum cooling effect during evaporation?
- 2.Identify the liquid which exists in gaseous state at room temperature.
- 3.What is the amount of heat required when 2 Kg of liquid A is converted into its vapour?
- 4.What is the amount of heat released when 500 g of C in gaseous state is condensed to liquid?
- 5.Arrange all the liquids in increasing order of attractive forces.

Biology

Biology Art Integration Class 9

DAV MODEL SCHOOL SECTOR 15A CHD

Prepare a model on water cycle. For guidance a small [video](#) and self made water cycle is attached. A write up on the same (max. 100) words with coloured diagram for the portfolio



Computer

Art Integration

Design a poster to Save Water using Writer

Or

Make a ppt on Water -“AN elixir of Life”

Or

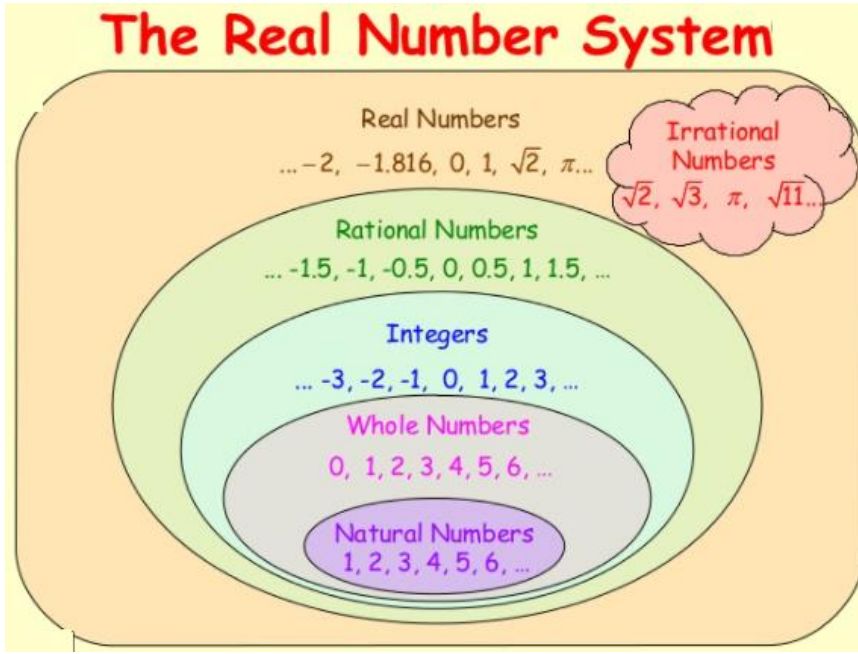
Make an infographics on water(visit the site for reference- <https://glade.org/water-in-infographics>) use canva app to design infograhics.

Art integration Project

Mathematics

Prepare a ppt/ Decorated chart of **Number system(different types of category with paper cutting designs of Numbers) or polynomials** (Different types of polynomials which is based

upon degree and terms) and Two representation of co-ordinate geometry through ppt.



Hindi Art integration

प्रश्न ४. आर्ट इंटीग्रेशन से संबंधित प्रोजेक्ट वर्क :-

1. जल संरक्षण पर कविता लिखें।
2. प्राकृतिक जल संसाधनों पर कोलाज बनाएँ।

Biology

Biology Project Class 9

DAV MODEL SCHOOL SECTOR 15A CHD

Summer Project Objective

Prepare a video (Max Duration 2mins) in which behave like **cell organelle** (as assigned in class) and prepare a report on it writing its functions along with a colourful diagram (A4 Sheet)

SOCIAL SCIENCE (Hist/Geo)

1. Create a Social science folder for posters and activities.
2. Make posters on A3/A4 Sheets on the following topics :
 - * The Political system of France under the Constitution of 1791.
 - * Poster of King Louis XVI along with his biography(100 Words).

OR

Create a digital collage/Video of King Louis XVI representing his administration.

3. Create a PPT on the topic “ The French Revolution”.

Physics

Art Integration:

Feroz and his sister Sania go to school on their bicycles. Both of them start at the same time from their home but take different times to reach the school although they follow the same route. Table shows the distance travelled by them in different times

Table 8.5: Distance covered by Feroz and Sania at different times on their bicycles

Time	Distance travelled by Feroz (km)	Distance travelled by Sania (km)
8:00 am	0	0
8:05 am	1.0	0.8
8:10 am	1.9	1.6
8:15 am	2.8	2.3
8:20 am	3.6	3.0
8:25 am	–	3.6

Plot the distance-time graph for their motions on the same scale and interpret.