



DELHI PUBLIC SCHOOL GHAZIABAD

SUMMER ERUDITION: CLASS VII



Waste not the smallest thing created, for grains of sand make mountains, and atomies infinity. ~E. Knight

An expanding global population, rapid conversion of critical habitat to other uses, and the spread of invasive species to non-native habitats pose a serious threat to the world's natural resources and to all of us who depend on them for food, fuel, shelter and medicine. Policies that distort markets and provide incentives for unsustainable development intensify the problem. Every year, there is a net loss of 22 million acres of forest area worldwide. Every year, toxic chemicals, some capable of traveling thousands of miles from their source and lasting decades in the environment, are released into the earth's atmosphere.

Look deep into nature, and then you will understand everything better.-Albert Einstein

The ever increasing and alarming scenario necessitates an all inclusive and all embracing mindset among the young generation .With the aim of furthering the cause among our students ,the projects this summer are designed to bring about the much required paradigm shift in the attitude and behavior of the students and through the students the entire community.

This is an integrated project wherein all academic subjects would have one project in each subjects respectively.

Detail:

All subjects one project

Each project carries 10 marks (to be evaluated during FA2)

Date of submission: **SUBJECT PROJECTS: 6 JULY 2010**

CLUB PROJECTS: 3 JULY 2010



ENGLISH

Design a brochure [A4 SIZE pastel sheet {coloured sheet}] ON 'Conservation of Resources'.

This is an individual project. Let your creativity and imagination soar high.

The following instructions are to be followed:

Layout of the Brochure:

Fold the A4 size sheet in three parts:

Side A

Side A: Save Fossil Fuels

Info [1]

What are fossil fuels?

Info [2]

Data /statistics on wastage of fossil fuels

Info [3]

Importance / Usage of fossil fuels

Info [4]

Ways to conserve fossil fuels

Info [1] Font size 12, Comic Sans MS	Picture	Info [3]
Picture	<i>A window to the world of FOSSIL FUELS [stick picture to make it attractive]</i>	Picture
Info [2]	Picture	Info [4] Font size 12, Comic Sans MS

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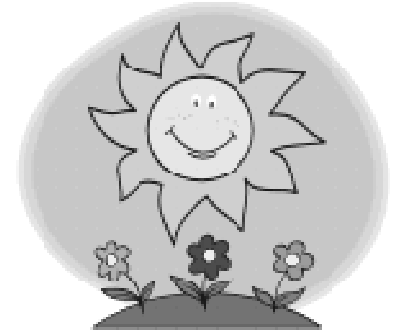
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MATHEMATICS

Objective: Plot bar graph for the area covered under forest in India for the year 2009. (Refer to the data provided –forest cover)

General Instructions:

- Project has to be in file format (A4 size colored pastel sheets).
- First page has to be the title page, with name, class, section of the student.
- Second page–
 - **Objective.**
 - **Material required** (no. of A4 sheets, newspaper, and magazine and website references.) (Paste the source of information i.e. newspaper cuttings, magazine cuttings, printouts from websites)
 - **Theory** about bar graph i.e. definition and its’ uses. (Use NCERT Maths book: class-VII for reference).
 - **Collected Data**
Collect data for the area covered under forest for any 10 Indian states from the website Google--- forest survey of India survey report --- 2009.
The data has to be in **TABLE** format.

S.No.	Name of State	AREA UNDER FOREST 2007



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- Write in your own words the conclusion you have drawn after analyzing the data (word limit 50).



SCIENCE

General Instructions:

This project is based on CH-9 Soil from NCERT Science textbook for class VII.

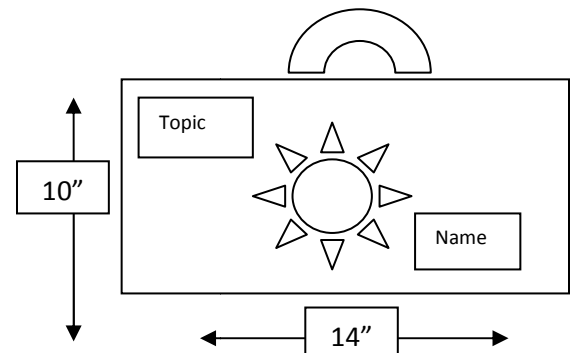
- Prepare a folder from newspaper(size-A3 sheet folded)
- The cover page should carry a catchy slogan on conservation of soil and reflect the theme of the project(use drawing/pictures/illustrations(folder carries two marks)
- The following information is to be provided on leaflets (A4size).
 - Explain the three causes of soil pollution. (Page I: three marks).
 - What can you as students do to reduce soil pollution? Depict as a write up or a collage using newspaper articles (Page2: three marks).
 - Read carefully activity 9.4 on page 100 of your textbook and conduct the following activity: Collect soil sample from your surrounding (garden, pot, park etc) Calculate the rate of percolation of soil. Sample is to be put in a small transparent polythene and stapled on page three of your folder along with the calculations. (Page3: two marks).

SOCIAL SCIENCE

Topic: Conservation of Natural Resources

Instructions:

1. This is an individual project.
2. Students are required to make a paper bag from old newspapers and also design 4 info – leaves on the allotted natural resources.
3. Bag size is 14” by 10”, info leaf size A4.
4. Topicture for info leaves are:
 - a. First info leaf – Meaning of the conservation of natural resource (allotted natural resource).
 - b. Second info leaf – Need for conserving the natural resource.
 - c. Third info leaf – Steps taken by the Indian government to conserve the natural resource.
 - d. Fourth info leaf – State at least four suggestions as how would you like to bring in a change in the current scenario.
5. Each info leaf be decorated with information and related pictures. Students are required to utilize both the sides of the info leaf.
6. Design and shape of info leaf as per your creativity.
7. Keep all the info leaves in the paper bag; write your name and topic.



Refer the following figure to make the paper bag (use your own creativity)

8. Natural resources are allotted as per the following distribution:
 - a. Water (roll no. 1 to 9), b. Soil (roll no. 10 to 18), c. Forest (roll no. 19 to 27),
 - d. Air (roll no. 28 to the last roll no.)