

ST. THOMAS SCHOOL, SAHIBABAD

HOLIDAY HOMEWORK 2024-25

CLASS VIII

TOPIC: POLLUTION

Dear Students,

Please follow the guidelines enlisted below for the project work. At the same time use your imagination, read, explore, and think 'out of the box' to make your project unique and meaningful.

GENERAL INSTRUCTIONS:

- Arrange all subject sheets in a single folder.
- It must have a cover page.
- Label the file with your name, class, section, roll number, and title of your project.
- Write "Multi-Disciplinary Project" above the title.
- Use colours according to the given colour code.

ENGLISH	HINDI/ SANSKRIT	MATHEMATICS	SCIENCE	SOCIAL STUDIES	COMPUTER
LIGHT BLUE	LIGHT YELLOW	LIGHT PURPLE	LIGHT BROWN	LIGHT GREEN	LIGHT PINK

- Pages should be arranged in the given sequence:

S. No.	SUBJECT	PAGE NO.
1.	Index	1
2.	Introduction	2
3.	Acknowledgment	3
4.	Bibliography	Last page of the project

- Arrange your sheets subject-wise, after acknowledgement.
- Submit your file to the respective class teacher

The submission date is till 10th July

Pollution is the most immediate threat to our environment and is a global concern. It affects the air, water bodies, forests, vegetation, soil, oceans, and other natural resources, having long-lasting and fatal consequences. Every major pollutant which threatens the environment is produced by human activities.

ENGLISH

Write an article or letter to editor on pollution.

Roll no. 01-10-- Air pollution

Roll no. 11-20 – Water pollution

Roll no. 20-30 – Soil pollution

Roll no. 31–Last roll number: Noise pollution

HINDI

प्रदूषण इन्सान के लिए हानिकारक है। इसकी रोकथाम के उपाय बताते हुए पाँच स्वरचित स्लोगन लिखिए ।

SANSKRIT

'सुभाषितानि' से चार श्लोक अपनी आकर्षक लिखावट में लिखें।

MATHEMATICS

I WORKSHEET [TO BE DONE IN SEPARATE COPY]

- Using property, find $\frac{-2}{3} \times \left(\frac{3}{5} + \frac{5}{2} - \frac{3}{5} \right)$
 - Multiply $\frac{8}{5}$ by the reciprocal of $\frac{-16}{20}$
 - Write the additive inverse of each of the following:
(a) $\frac{2}{8}$ (b) $\frac{-5}{9}$ (c) $\frac{-6}{-5}$ (d) $\frac{2}{-9}$ (e) $\frac{19}{-6}$
 - Name the property under multiplication used in each of the following:
a) $\frac{-4}{5} \times 1 = 1 \times \frac{-4}{5}$ b) $\left[-\frac{7}{5} \right] \times \left[-\frac{5}{7} \right] = 1$
 - Fill in the blanks:
a) Zero has _____ reciprocal.
b) The numbers _____ and _____ are their own reciprocals.
c) The reciprocal of (-5) is _____.
d) The product of two rational number is always a _____.
e) The reciprocal of a positive rational number is _____.
 - Find the square root of 8836 by prime factorization method.
 - Find the smallest number by which 2475 must be multiplied to get a perfect square.
 - Find the least number which must be added to 4215 to make it a perfect square.
 - Find the square root of 72.25.
 - The area of the square field is 8464m^2 . A man takes 3 rounds of this field. Find the distance covered by him.
 - How many numbers lie between the squares of the following numbers?
a) 15 and 16 b) 56 and 57
 - Fill in the blanks:
a) A perfect cube can end with exactly _____ zero.
b) If a and b are positive integers such that $a^2 > b^2$ then a^3 _____ b^3 .
c) If a^2 ends in 5 then a^3 ends in _____
d) If m is a cube root of n such that m^3 _____.
e) The cube root of a negative perfect cube is _____.
 - Find the smallest number by which 392 must be multiplied so that the product is perfect cube?
 - Find the cube root of 15625 and 13824 by prime factorization method:
 - Find the smallest by which must be divided so that the quotient is a perfect cube.
- II Prepare a project on the topic Pollution in different states during winter: Compare the rate of air pollution (in percentage) of 5 different states of India in two years.
Instructions: (i) Do the project on A4 size sheets (to be kept in folder).
(ii) Use double bar graph to display the data.

SCIENCE

Project work

Make a project file on any of the following topics-

- Impacts of burning fossil fuels on Environment.
- Forest fires.
- E-waste burning and pollution.

SOCIAL SCIENCE

Research Project on Pollution

Write about emerging trends in pollution such as the development of new technologies or changes in government policies and also mention how these trends may impact the future of pollution prevention and mitigation efforts.

COMPUTER

- 1) A school has the following rules for the grading system: (refer to pg. no. 107)

Below 20 – F	20 to 40 – E	41 to 60 - D
61 to 80 – C	81 to 90 – B	Above 91 – A

Write a program to enter the marks and print the corresponding grade in Python.

- 2) You have been tasked with creating an informative poster on water pollution to raise awareness among your peers and the community. Your poster should effectively communicate the causes, effects, and preventive measures related to water pollution.

Consider the following guidelines:

A. **Title:** Choose a catchy and informative title that grabs attention and reflects the theme of the poster, such as "Protect Our Water: Understanding Water Pollution."

B. **Visuals:** Incorporate relevant images.

C. **Content:** Divide your poster into sections to address key aspects of water pollution, such as:

- Causes of water pollution (e.g., industrial waste, agricultural runoff, plastic pollution).
- Effects of water pollution on ecosystems, human health, and wildlife.
- Preventive measures and solutions to reduce water pollution (e.g., recycling, proper waste disposal, wastewater treatment).

4. **Text:** Use concise and clear language.

5. **Design:** Ensure the poster layout is visually appealing and easy to read.

Your poster should be informative, engaging, and impactful, aiming to educate and inspire others to take action to protect our precious water resources.

GENERAL KNOWLEDGE (do in A4 size sheet)

1. Learn and write pledge in English and Hindi.
2. Make a chart of different types of pollutions and the human activities responsible for causing them.

VALUE EDUCATION

Friendship is an important part of your life. Make a picturesque representation of a story depicting the value of friendship. (Use A3 sheet)

ART AND CRAFT

Make a beautiful Madhubani painting on A3 size ivory sheet.

MUSIC

1. Draw and colour any 5 musical instruments in Music copy.
2. Paste pictures of 5 Indian Classical singers. (Male or Female)
3. Learn and write school anthem from school diary.
4. Write 'bless the lord' on A4 size coloured sheet.