DELHI PUBLIC SCHOOL GAYA

(Under the aegis of the Delhi Public School Society, New Delhi)
Affiliated to C.B.S.E, New Delhi Affiliation No.330530, School Code – 65572

WINTER VACATION ASSIGNMENT CLASS-VIII (SESSION: 2024-25)

Your Winter Vacation assignment has some very interesting tasks that will make your learning session fun and engaging. So, let's start!

ENGLISH

PONDER! PERCEIVE! UNDERTAKE!

1. Project file

   To understand the rich heritage of Bharat and ancient lifestyle, ways of entertainment etc., you need to visit the famous heritage of India. Do it in the right spirit with enthusiasm which will make it a great learning experience. Prepare a creative and colourful project file on the topic". Diversity in India "and you may include the following subtopic:-

   - About Vedas in English and include some Sanskrit Shlokas.
   - Cultural diversity
   - Religious Diversity
   - Social Diversity:
   - Geographical Diversity.
   - Collect information on the following topics and write in short on each with pictures pasted.
   - Indian Literature and Litterateur.
   - Indian tourism and its effect on the Indian economy.
   - Collect statistical information about natural resources and agriculture of India
   - Indian prominent personalities.
   - Write a slogan on diversity on A3 size sheets & make it attractive.

2. Collage

   India has one of the world's largest collections of songs, music, dance, theatre, folk traditions, performing arts, rites and rituals, and paintings which reflect its cultural richness.

   These art forms are the most celebrated means of thanksgiving to the deity and reflection of social and individual ethos. Prepare a beautiful collage on one of the topics including all above states and show your creativity on chart paper.

हिन्दी

1. 'जीव दया ही सबसे बड़ा धर्म है।' इस विषय पर अपना विचार लगभग 100 शब्दों में लिखिए।

2. अपने जीवन में आए किसी अविस्मरणीय प्राणी के विषय में उसके साथ बिताए समय को याद करके लिखना संस्मरण कहलाता है। ऐसा ही कोई प्राणी जो आपके जीवन में आया हो, उसपर आधारित संस्मरण लिखिए ।

3. बर्फीले क्षेत्र में रहने वाले लोगों का जीवन कठिनाइयों से भरा होता है। ठंडे प्रदेश के लोगों की कठिनाइयों का वर्णन संबंधित चित्र के साथ कीजिए ।
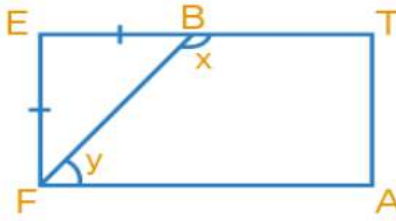
SANSKRIT

तत्, एतत्, किम्, अस्मद् और युष्मद् शब्दरूप सभी लिंगों में लिखें और याद करें।
**गृहकार्य- पुस्तिका में (Assignment copy) कार्य करें।

MATHEMATICS

1. The parallel sides of a trapezium are 40 cm and 20 cm. If its non-parallel sides are both equal, each being 26 cm, find the area of the trapezium.
2. Four horses are tethered with equal ropes at 4 corners of a square field of side 70 metres so that they just can reach one another. Find the area left unglazed by the horses.
3. A cube of side 5 cm is cut into as many 1 cm cubes as possible. What is the ratio of the surface area of the original cube to that of the sum of the surface areas of the smaller cubes?
4. Plot the given points on a graph sheet and check if the points lie on a straight line. If not, name the shape they form when joined in the given order.
    (a)   (1, 2), (2, 4), (3, 6), (4, 8).
    (b)   (1, 1), (1, 2), (2, 1), (2, 2).
    (c)   (4, 2), (2, 4), (3, 3), (5, 4).
5. A new computer costs ₹ 1,00,000. The depreciation of computers is very high as new models with better technological advantages are coming into the market. The depreciation is as high as 50% every year. How much will the cost of computer be after two years?
6. A playground is in the form of a rectangle ATEF. Two players are standing at the points F and B where EF = EB. Find the values of x and y.

SCIENCE

1. Make a 2D/3D/working model of Orion or Ursa major constellation with the help of LED lights.
2. Draw a labelled diagram of a human body showing the positions of the major endocrine glands and state their functions.
3. Maya is a 12 year old girl living in a suburban town. She is in her final year of elementary school and is preparing to transition to middle school. Maya has always been active in school activities, enjoys sports, and is very close to her family. Recently, she has started experiencing physical changes, and her emotions have been fluctuating. She also feels more self-conscious about her appearance and is noticing that she has more interest in spending time with her friends.
    (a)   What physical changes is Maya experiencing as she transitions into adolescence?
    (b)   How might Maya's emotional changes affect her behavior during adolescence?
    (c)   What are the social changes Maya is likely experiencing at this stage?
    (d)   How can Maya's family support her during this transitional period??

4. Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the magnitudes and direction of the forces applied.

5. An archer shoots an arrow in the air horizontally. However, after moving some distance, the arrow falls to the ground. Name the initial force that sets the arrow in motion. Explain why the arrow ultimately falls down.

SOCIAL SCIENCE

1. What did Dr. Ambedkar mean when he stated, "In politics, we shall have equality, but in social and economic life, we shall have inequality"?

2. World Map Assignment:
    (a) On the outline map of the world, demarcate the regions in each of the six continents where maize is cultivated.
    (b) Demarcate the regions known for cotton and jute cultivation across the world.
    (c) Indicate the regions where tea and coffee are grown on the world map.

3. Family Tree Project:
    Create a family tree on a white sheet of paper, incorporating photographs of family members (preferably in stamp or passport size). Paste the family tree in your notebook.

4. **NOTE: PROSPECTIVE SOCIAL SCIENCE EXHIBITION: Prepare models and exhibit related to the following topics and share the status/progress once the school reopens after the winter vacation.**
    - The Indian Constitution
    - The Role of Women in Indian Society
    - Indian Economy and Agriculture

INFORMATION AND COMMUNICATIONS TECHNOLOGY

1. Write a program in Python to find the sum of first n given numbers.
2. Write a program in Python to find the factorial of given number using while loop.
3. Write a program in Python to print the sum of all even numbers in the range entered by the user.
4. Explain the 5V's of Big Data with Diagram.
5. Write a program in Python to print a Fibonacci Series using while loop.

GERMAN

Task 1: Create a greeting card for a festival or special occasion (e.g., Weihnachten, Geburtstag) with phrases like "Frohe Weihnachten" or "Alles Gute zum Geburtstag."

Task 2: Create a crossword puzzle using German vocabulary from topics like animals, colors, or school items.

--------------------X--------------------