

DELHI PUBLIC SCHOOL ALIGARH
CLASS-IX
HOLIDAY HOME WORK-2024-25

ENGLISH:

ART INTEGRATED

Read the poem "No Men Are Foreign" from your book: Beehive.

Make a **collage of at least 10 other War Poems/ movies** (5 poems and 5 movies only in English) dealing with similar themes discussed in the poem mentioned above on a chart paper. Use illustrations, innovative title, shapes to convey your idea. The poems should be beautifully written, and posters neatly drawn.

NEWSPAPER BASED

1. **Design a newsletter** based on any 2 chosen sections of the newspaper "The Hindu". (Language and Literature, DIY, Science experiments, Books, Geography). It can be manual or digital.
2. **Create Blackout poetry** using any five articles from the newspaper THE HINDU.

DIPASHA

We are back with our 2024 edition of DIPASHA, our annual school magazine. Imagine you are a Travel Journalist for The Hindu in School. Think about a place you have visited recently. Recall its sounds, smells and immersive experience. Write a **travelogue** describing the various attractions, means to reach, cultural background and landscape. Use different kinds of imagery to give the feel of the place.

Type the write-up in Microsoft Word in Font style: Calibri and Font size: 12. Write your full name, class and Section at the end of your writing attach your coloured passport size photograph in school uniform and mail it by June 20, 2024 at smita@dpsaligarh.org

निर्देश:संपूर्ण गृहकार्य को परियोजना फ़ाइल में ही हल करना है।

प्रश्न 1- आपने भगवाना की मां जैसी किसी स्त्री को मजदूरी करते अवश्य देखा होगा। गर्मी की छुट्टियों में फुटपाथ पर मजदूरी करती किसी स्त्री का फोटो लगाकर उसके प्रति हृदय में उभरने वाले भावों को 120 शब्दों में लिखिए।

प्रश्न 2- 'स्पर्श' पुस्तक में दिए गए रहीम के दोहों में से किन्हीं 6 दोहों को सस्वर गाते हुए अपना वीडियो बनाइए और अपने हिंदी शिक्षक- शिक्षिका की मेल आईडी पर भेजिए।

3-ग्रीष्मअवकाश में आप जहां घूमने जाएं ,वहां के आकर्षक चित्र चिपकाकर 5 दिनों के यात्रा-वृत्तांत को लगभग 150 शब्दों में लिखिए।

4-प्रतिदिन कोई भी हिंदी समाचार पढ़ें, किसी विशेष राष्ट्रीय समाचार को काटकर परियोजना पुस्तिका पर लगाएं और उसे अपने 60 शब्दों में संपादित करते हुए सुलेख के रूप में लिखें।

विद्यालय पत्रिका 'दिपाशा'के लिए कोई कविता,कहानी, यात्रा-वृत्तांत या समसामयिक किसी एक विषय पर लेख लिखें,साथ में अपना फोटो भी लगाएं।

(पत्रिका के लिए दिया गया लेख स्वरचित होना चाहिए।)

SANSKRIT:

नोट— संकेत 1, 2, 3, 4 अपनी अभ्यास पुस्तिका में करना है तथा संकेत 5 निम्नलिखित मेल पर भेजना है।

- 1- हिन्दी समाचार पत्र या किसी घटना से सम्बन्धित कोई भी दो चित्र छाँटकर, उस पर पाँच वाक्य संस्कृत में लिखिए।
- 2- ग्रीष्मावकाश में जहाँ भी भ्रमण हेतु आप जाएँ उसका वर्णन करते हुए पाँच संस्कृत में लिखिए।
- 3- कोई भी दो पत्र छाँटकर मंजूषा की सहायता से रिक्त स्थान भरकर लिखिए।
- 4- कोई भी दो संवाद छाँटकर मंजूषा की सहायता से रिक्त स्थान भरकर लिखिए।
- 5- कथा, कहानी, लेख, श्लोकार्थ या अर्थसहित सूक्तियाँ, इन में से किसी भी विषय पर संस्कृत भाषा में लिखिए। नीचे अपना नाम, कक्षा वर्ग व फोटो लगाकर sateeshjain56@gmail.com मेल पर भेज दीजिए।

URDU

Select any one contemporary topic of Social or Educational importance. Collect pictures related to that topic from Urdu/ English/Hindi any newspaper and from Urdu Magazine also (**Mahnama Umang** or **Bachcho ki Duniya**- latest issue) and prepare a **Scrap Book**. And also prepare a report on the same topic. (300 words limit)

OR

Prepare two Chart Papers which will be decorated and write ISM (Noun) aur uskiqismien in first chart and Sifat (Adjective) aur uskiqismien in second one. With good examples and design both the sheets beautifully.

OR

Art Integrated Project: Draw anything of your choice and find a quote / thought / few urdu poem lines / sher /any very short story from the internet which compliments the drawing an ivory or A4 drawing sheet. Consult with your urdu teacher before finalizing your writing material.

MATHEMATICS :

Activity 1: Maths Video

1. Create a video on a specific topic from class IX Mathematics syllabus.
2. Present the topic in an engaging and interactive manner, explaining concepts, providing examples and solving problems.
3. Incorporate visuals, animations or props to enhance the presentation.
4. Mail your presentation to the following id's:
IXA : tanvi@dpsaligarh.org
IXB : seema@dpsaligarh.org

Activity 2: Mathematical Art

1. Create a piece of mathematical art using geometrical shapes, patterns and symmetry.
2. Use geometrical instruments to create intricate designs (in this art).
3. Write a brief explanation of the mathematical concepts used in your artwork.

Activity 3: Math Puzzle Collection

1. Create a collection of three math riddles or puzzles to challenge your peers or family members.
2. Write down the riddles or puzzles along with their solutions, making sure to explain the mathematical concepts or techniques involved.

Check your Progress:

Do the assignment shared on entab.

Note: Compile all your completed tasks into a creative portfolio(in your activity file), including photographs, review, presentation, artwork etc. Write a brief reflection on what you enjoyed most about the assignment and how it enhanced your understanding and appreciation of mathematics.

Click to open

<https://drive.google.com/file/d/1sZGwBAeNvqmgJ31Ydh-RCOVbvZMURG2S/view?usp=sharing>

SCIENCE:

PHYSICS:

1. The displacement of a moving object in a given interval of time is zero. Would the distance travelled by the object also be zero? Justify your answer.
2. How will the equations of motion for an object moving with uniform velocity change?
3. A car starts from rest and moves along the X axis with constant acceleration 5 ms^{-2} for 8 seconds. If it then continues with constant velocity, what distance will the car cover in 12 seconds since it started from the rest?
4. A motorcyclist drives from A to B with a uniform speed of 30 km/h and returns back with the speed of 20 km/h. Find its average speed.
5. Draw the velocity versus time graph for a stone thrown vertically upwards and then coming downwards after attaining the maximum height.

6. An object is dropped from rest at a height of 150 metre and simultaneously another object is dropped from a rest at height of 100 metre. What is the difference in their heights if 2 seconds if both the objects drop from the same acceleration, how does the difference in heights vary with time?
7. An object starting from rest travels 20 metre in first 2 seconds and 160 metre in next 4 seconds. What will be the velocity after 7 seconds from the start?
8. A particle is moving in a circle of diameter 5 m. Calculate the distance covered and the displacement when it completes 3 revolutions.
9. The length of minutes hand of a clock is 5 cm. Calculate its speed.
10. A train starting from rest attains a velocity of 72 km/h in 5 minutes. Assuming that the acceleration is uniform, find a. the acceleration and b. the distance travelled by the train for attaining this velocity
11. The brakes applied to a car produce an acceleration of 6 m/s^2 in the opposite direction to the motion. If the car takes 2 seconds to stop after the application of brakes, calculate the distance it travels during this time.
12. A body starts to slide over a horizontal surface with an initial velocity of 0.5 m/s . Due to friction, its velocity decreases at the rate of 0.05 m/s^2 . How much time will it take for the body to stop?
13. On a 120 km track, a train travels the first 30 km at a uniform speed of 30 km/hr. How fast must the train travel the next 90 km so as to average 60 km/hr for the entire trip?
14. A scooter acquires a velocity of 36 km/hr in 10 seconds just after the start. It takes 20 seconds to stop. Calculate the acceleration in the two cases.
15. A body is moving with a velocity of 15 m/s . If the motion is uniform, what will be the velocity after 10s?

BIOLOGY:

- Q 1- Prepare a chart of compound microscopes, showing different parts with their functions.
- Q 2- Perform an activity to show the process of endosmosis, exosmosis when you are taking raisins and putting them in hypertonic solution, isotonic solution and hypotonic solution.
- Q 3- Collect the information about chromosome number of organisms known to you.
- Q 4- Study the basic difference between animal and plant cell.

CHEMISTRY:

1. Chemistry Project - Draw a 3D chart of A3 size on any one of the topic – Fractional distillation, sublimation, evaporation, inter conversion of states of matter.
2. Chemistry Assignment-
 - Q1 Account for the following
 - a) Dogs generally hang out their tongue in summer
 - b) Smell of lighted incense stick spreads several meters away
 - c) Sponge though compressible is a solid
 - Q2 Water as ice has a cooling effect where as water as steam may cause severe burns. Explain these observations.
 - Q3 Discuss the effect of increasing temperature and pressure on the liquid state of a substance. Are these effects similar? If not assign reasons.
 - Q4 5ml of water was taken in a test tube and china dish separately. These samples were then kept under different conditions as below Both the samples are kept under a fan Both the samples are kept inside a cupboard a) State in which case evaporation will be faster? give reasons b) How will the rate of evaporation change if above activity is carried out on a rainy day? Justify
 - Q5 Explain how will you separate Ammonium chloride and common salt using sublimation
 - Q6 Write an activity to prove that liquids of different densities diffuse at different states.
 - Q7 All of us are familiar with LPG cooking gas cylinder used at home
 - a) What is the full form of L.P.G?
 - b) What is it composed of?
 - c) In what form gas is stored? What are the factors responsible for it?
 - d) What is the change observed when regulator is opened? Why?

Q8 Convert a) 25 ° C to Kelvin b) 298 K to ° C

Q9 At What temperature on the kelvin scale does ice melt? Draw a diagram to show set up of melting point of ice.

SOCIAL SCIENCE:

History: Make a detailed project on “FOREST SOCIETY AND COLONIALISM IN THE 19TH CENTURY”.

Subtopics to be highlighted in the project:

- 1- Forest situations prevailed at pre-colonial, colonial and post- colonial era.
- 2- Growth and role of commercial forestry in different types of vegetation
- 3- Reasons for rebellions at forest areas of south East-Asia with specification to Java.

OR

Political Science: Elections in India

Collect data regarding the result of Lok Sabha elections held in 2024. Analyze this election and submit a Project report by answering the questions mentioned below keeping in mind the seats bagged by different National and State level parties.

- 1- What are the total numbers of seats in Lok Sabha?
- 2- How many seats have been obtained by the winning party and opposition party?
- 3- What do you mean by Coalition Government? Is this a Coalition Government?
- 4- Compare this Lok Sabha election with the Lok Sabha election held in 2004. What are the differences that you observe?
- 5- Represent the seats allotment through a pie diagram.

Note: Collect and paste at least 5 newspaper articles on this topic and questions for your report.

GEOGRAPHY

As per the CBSE curriculum students of Class IX have to submit a project on DISASTER MANAGEMENT.

- Every student has to compulsorily undertake any ONE project out of the given topics from disaster management.
- Choose any one natural disaster to which India is vulnerable to e.g., building collapse, earthquakes, cyclones, landslides, floods, tsunamis etc.

Prepare a detailed project under the following heads:

- Meaning of disaster and hazard, the difference between hazard & disaster, disaster management, causes and consequences of disaster and mitigation measures of the disaster chosen by you.
- Define the role of citizens, NGOs, and government agencies during disasters.
- Your project should be supported by suitable photographs and paper cuttings of the affected area.
- Students need to prepare their project on A-4 size papers, which should be handwritten.
- The project should consist maximum of 8 pages.
- (Cover Page: Title /Topic, Name of the Student, Class, Section, Roll Number, Session, and School Name) should be mentioned in the project.

ECONOMICS: Read the following table carefully and answer the given questions:

Year	Cultivated area (Million hectare)
1950-51	132
1990-91	186
2000-01	186
2010-11	198
2015-16	197
2016-17	200

- (i) Plot the above data on a graph paper, paste it in your fair copy, what does the graph show?
- (ii) Is it important to increase the area under irrigation? Why?

(iii) You have read about the crops grown in Palampur. Fill the following table based on the information on the crops grown in your region.

Name of crop	Month sown	Month harvested	Source of irrigation
Rice/Jowar/Bajra			
Potato			
Wheat			

COMPUTER:

Q1- Create a poster for “Heat Wave” in **OpenOffice: Writer** with the following features.

- 1. Fontface 2. Fontsize 3. Fontcolor 4. Header & Footer 5. Images

Q2- Create a presentation (4-6 slides) using **OpenOffice: Impress** on any one of the following topics.

- 1. Air Pollution 2. Traffic Rules 3. Water Conservation

Send the email :- class 9A: harshvardhan@dpsaligarh.org Class 9B: rajeevkushwaha@dpsaligarh.org

ART:

As part of your holiday homework, you will be creating a poster on the topic “Environmental Conservation”.

* This project aims to increase your awareness of important environmental issues and encourage you to think creatively about how we can protect our planet.

* Here are the guidelines for your poster:

* Poster Size: Use an A3 size sheet for your poster.

* Content: Your poster should highlight key aspects of environmental conservation. This can include topics such as recycling, water conservation, energy efficiency, reducing pollution, protecting wildlife, or sustainable practices.

* Creativity: Be creative with your design! Use colours, drawings, and text to convey your message effectively.

* Submit your completed poster within the first week of reopening.

* We look forward to seeing your unique and thoughtful creations.
