

DEWAN PUBLIC SCHOOL
HAPUR

Class IX

Holiday Homework

HOLIDAY HOMEWORK

CLASS IX

SOCIAL SCIENCE

1. differentiate between Five types of Vegetation on paper sheets in plastic File
 - Tropical Evergreen Forest
 - Tropical Deciduous Forest
 - Mangroove Forest
 - Montane Forests
 - Thorn Forest and Bushes

MAP WORK

1. On the outline Physical Map of India mark the above mentioned forest . And paste it in the same plastic file.
2. On the outline map of India political mark the neighbouring countries of India. On the same map mark the tropic of cancer and standard meridian of India.
3. On the outline map of political India mark the states and their capitals.

NOTE:

- MAKE A SEPERATE FILE FOR SOCIAL SCIENCE HOLIDAY HOMEWORK.
- MAKE A FRONT PAGE CONTAINING NAME OF THE SCHOOL,SUBJECT, TOPIC OF FILE,SUBMITTED TO AND SUBMITTED BY.
- MAKE SURE THAT THE WORK SHOULD BE COMPLETED CREATIVELY AND NEATLY.

Mathematics

1. Activity 1: To make a square root spiral using paper folding method.
2. Activity 2: To verify the algebraic identity.
$$(a + b)^2 = a^2 + 2ab + b^2$$
3. Activity 3: To obtain the mirror images of a figure with respect to the co-ordinate axes.
4. Practice complete syllabus covered in the class.

SCIENCE

BIOLOGY

Q 1) Study of osmosis by POTATO OSMOMETER.

Q 2) Study of plasmolysis by RHOEO LEAF.

Q 3) Draw the diagram the diagram of plant cell and animal cell.

Q 4) write down the five examples from daily life where osmosis plays a important Role.

*(Revise taught syllabus of biology)

PHYSICS

Speed = Distance / Time

{Speed is defined as the distance covered by any object in unit time . }

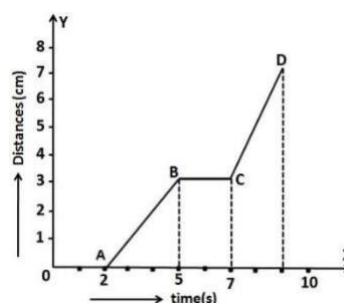
(I) Design an experiment in which you determine the speed of any object .

- Draw a picture of your experimental set up.
- Discuss how you will conduct the experiment.
- What quantities are you going to measure?
- Make a list of the equipment you will need.
- Write down the procedure you will follow.
- Perform the experiment and record your data. (Create a table and graph your results).
- Think about different ways to represent the data.

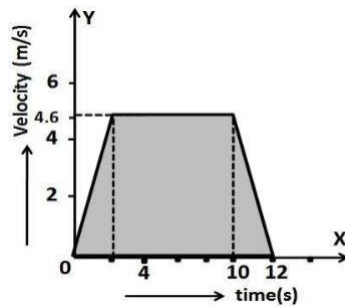
(II) An object is moving in a circle of radius 'r'. Calculate the distance and displacement (i) when it completes half the circle

(ii) when it completes one full circle.

(III) The graph in below figure shows the positions of a body at different times. Calculate the speed of the body as it moves from (i) A to B (ii) B to C and (iii) C to D.



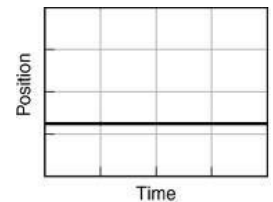
(IV) The velocity time graph of an ascending passenger lift is given below. What is the acceleration of the lift: (i) during the first two seconds (ii) between 2nd and 10th second (iii) during the last two seconds.



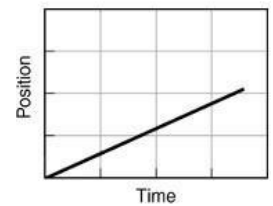
(V) POSITION—TIME GRAPHS

Answer the following questions in the spaces provided.

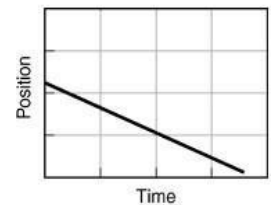
1. What do you do to create a horizontal line on a position—time graph?



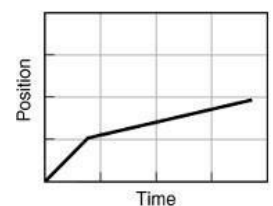
2. How do you walk to create a straight line that slopes up?



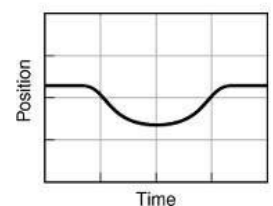
3. How do you walk to create a straight line that slopes down?



4. How do you move so the graph goes up steeply at first, and then continues up less steeply?

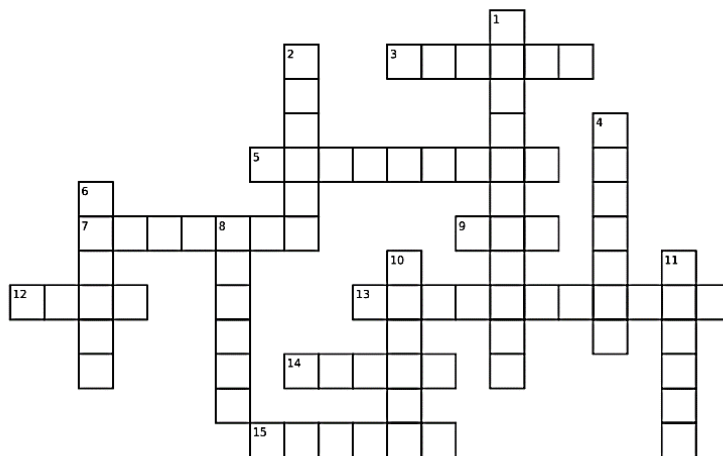


5. How do you walk to create a U-shaped graph?



Chemistry

1. Crossword Puzzle



Down:

1. phenomena responsible for cooling
2. the material which can flow
3. mass per unit volume is called
6. state of matter mainly found on stars
8. a violet-colored sublimate
10. process of conversion of solid to liquid
11. physical quantity representing the spacetaken by an object

Across:

3. S.I. Unit of temperature
 5. intermixing of particles on their own
 7. matter having no fixed shape but fix volume
 8. state of matter having highest kinetic energy
 12. physical quantity representing the contentof an object
 13. dry ice is an example of
 14. state of matter having least compressibility
 15. which means hidden
2. Draw a 3D chart of A3 size on any one of the topics – sublimation, evaporation, inter conversion of states of matter.
 3. Make a creative assignment on first 20 elements of periodic table including following points:
 - (a) physical state(paste the picture)
 - (b) Atomic Name
 - (c) Atomic number

(d) Atomic Mass

(e) Symbol of an element

(f) Uses in daily life

4. Make the difference table (using pictures) of different states of matter with examples using some daily household materials.

5. REVISE CHAPTER-1 FOR TERM-

ENGLISH

1. Write two new words everyday along with their meanings in the notebook.

2. Do exercises of Unit-1 and Unit-2 in Words and Expressions book.

3. Read the book "The Coolie" written by Mulk Raj Anand and write the summary of the book.

4. Read Newspaper and Magazines daily and update themselves with the current affairs.

5. Revise the syllabus done in the class for Term-I test.

हिन्दी

प्रश्न 1- दीवान पब्लिक स्कूल की विशेषताओं को दर्शाते हुए विद्यालय में प्रवेश हेतु A4 शीट पर एक आकर्षक विज्ञापन तैयार कीजिए।

प्रश्न 2- 'हिंदी दिवस के महत्व' पर 2 मिनट का भाषण देते हुए अपनी वीडियो बनाकर अपने विषय के अध्यापक को (अपना नाम, कक्षा एवं विभाग लिखकर) भेजें।

INFORMATION TECHNOLOGY

Q1. Create a new document and enter the text on Computer Memory. Assign the variety of bullets and numbering as shown the below and take printout of it.

Computer Memory can be categorized in two types-

Primary Memory

1. Ram

2. Rom

Secondary Memory

1. Hard Disk

2. Pen Drive

3. CD/DVD

4. Memory Card

Q2. Create a Time-Table of your class as shown in the figure below and take printout of it –

DAY/PERIOD	1	2	3		4	5
MONDAY				RECESS		

TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						