ARWACHIN BHARTI BHAWAN SENIOR SECONDARY SCHOOL, VIVEK VIHAR
CLASS-IX - HOLIDAYS HOMEWORK

SUBJECT ENGLISH

Make a "Travel Brochure" of any of your favourite Indian tourist destination.

Note: If should contain all details like how to reach, maps, attire, cuisine, famous sites etc.

Rubrics

Content- 02

Accuracy-01

Creativity- 01

Presentation-o1

Revise all the syllabus and complete the portfolio for assessment.

SUBJECT HINDI

शीतकालीन अवकाशीय हिंदी गृहकार्य
कक्षा :– नवमी

● अगरबत्ती के कारोबार के बारे में जानकारी एकत्रित कर चित्र सहित पोर्टफोलियो में रिपोर्ट तैयार करें।
● किसी एक स्वतंत्रता सेनानी का चित्र बनाकर उसे पोर्टफोलियो में लगाए।
● संपूर्ण पाठ्यक्रम का अभ्यास करें।

NOTE :- Complete your portfolio for Internal assessment marks. It's mandatory.

SUBJECT MATHS

1. Make a working/ Non working model of maths on any topic from your book.

2. Prepare a beautiful and colorful attractive poster of A3 size on any Indian mathematician (with picture and at least 5 to 10 lines about him/her)

SUBJECT - SOCIAL SCIENCE

❖ Prepare a pocket dictionary of Social Science, using all the Social Science terms. (Minimum 5 words from each alphabet)

❖ Prepare notes of chapter Fundamental Rights and Population in Geography.

Q1. Complete the crossword with the help of clues given below.

Across

1.This is necessary for photosynthesis.

3. Term for component present in the cytoplasm.

6. The living substance in the cell.

8. Units of inheritance present on the chromosomes.

Down

1. Green plastids.

2. Formed by collection of tissues.

4. It separates the contents of the cell from the surrounding medium.

5. Empty structure in the cytoplasm.

7. A group of cells.
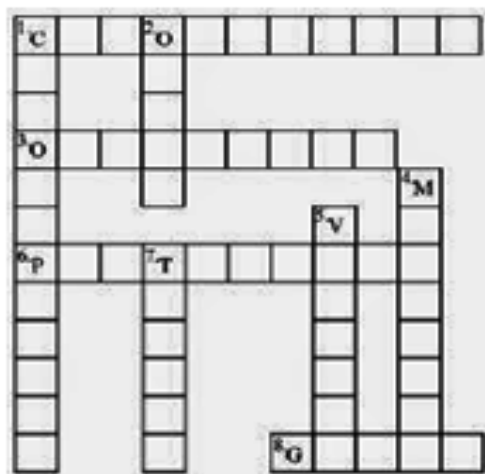
Q2. Complete your practical files.

Q3. Answer the following questions –

(i). A farmer moves along the boundary of a square field of side 10m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position?

(ii). Gravitational force on the surface of the moon is only 1/6 as strong as gravitational force on the earth. What is the weight in newton's of a 10 kg object on the moon and on the earth?

(iii).Two objects of masses 100 g and 200 g are moving along the same line and direction with velocities of 2 ms^{-1} and 1 ms^{-1}, respectively. They collide and after the collision, the first object moves at a velocity of 1.67 ms^{-1}. Determine the velocity of the second object.

(iv). A ball is thrown vertically upwards with a velocity of 49 m/s. Calculate
    (a) The maximum height to which it rises,
    (b) The total time it takes to return to the surface of the earth.

(v). A stone of 1 kg is thrown with a velocity of 20 ms^{-1} across the frozen surface of a lake and comes to rest after travelling a distance of 50 m. What is the force of friction between the stone and the ice?

(vi). A train is travelling at a speed of 90 km h^{-1}. Brakes are applied so as to produce a uniform acceleration of –0.5 m s^{-2}. Find how far the train will go before it is brought to rest.

(vii). Calculate the force of gravitation between the earth and the Sun, given that the mass of the earth = 6 × 10^{24} kg and of the Sun = 2 × 10^{30} kg. The average distance between the two is 1.5 × 10^{11} m.

(viii). A stone is thrown in a vertically upward direction with a velocity of 5 m s^{-1}. If the acceleration of the stone during its motion is 10 m s^{-2} in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?

(ix). An object of mass 100 kg is accelerated uniformly from a velocity of 5 ms^{-1} to 8 ms^{-1} in 6 s. Calculate the initial and final momentum of the object. Also, find the magnitude of the force exerted on the object.

(x). A train starting from a railway station and moving with uniform acceleration attains a speed 40 km h^{-1} in 10 minutes. Find its acceleration.

INFORMATION TECHNOLOGY

- ❖ Start a web browser and visit https://digitalindia.gov.in/ to know about government of India's Digital Program and prepare a project on it.
- ❖ Prepare an A4 Size poster on Cyber Security.
- ❖ Prepare a presentation of about 10 slides describing the changing trends in the field of school education. The presentation should be based on facts collected from the various resources like book, internet etc.
- ❖ Read about Libre Office Writer.

Sanskrit

प्रश्न 1संस्कृत की एक आकर्षक फाइल बनाओ

प्रश्न 2 संस्कृत कथा पुस्तिका का निर्माण करो

प्रश्न 3 संस्कृत पोर्टफोलियो का निर्माण पूर्ण करें