

DAV PUBLIC SCHOOL KOYLANAGAR DHANBAD
SUMMER VACATION HOLIDAY HOMEWORK
CLASS 8

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विषय - हिंदी

परियोजना कार्य -

- 1- दिए गए प्रारूप को भर कर एक पोर्टफोलियो तैयार कीजिए।
- 2 - विलुप्त हो रहे किन्हीं पांच पक्षियों के चित्र लगाकर उनके बारे में संक्षिप्त विवरण दीजिए।
- 2- अपनी पसंद की किसी ऋतु पर एक स्वरचित कविता लिखिए।(सचित्र)
- 4- पाँच तत्सम और पाँच तद्भव शब्दों के नाम लिखिए और उनके चित्र भी चिपकाइए।
(नोट - सभी कार्य स्टिक फाइल पेपर में करें।)

पोर्टफोलियोछात्र की तस्वीरछात्र की सूचना

छात्र / छात्रा का नाम : _____

जन्म तिथि : _____

छात्र / छात्रा की उम्र : _____

कक्षा व वर्ग : _____

क्रम संख्या : _____

विद्यालय का नाम : _____

विद्यालय में प्रवेश तिथि : _____

विद्यालय में प्रवेश संख्या : _____

लंबाई : _____

वजन : _____

रक्त समूह : _____

आधार संख्या : _____

पारिवारिक सूचना

माता का नाम: _____

माता की शैक्षिक योग्यता: _____

संपर्क-दूरभाष : _____

पिता का नाम: _____

पिता की शैक्षिक योग्यता: _____

संपर्क दूरभाष : _____

परिवार के सदस्यों की संख्या : _____

भाई-बहन की संख्या : _____

परिवार की

मासिक आय : _____

घर का पता :

छात्र/छात्रा के अपने जवाब

प्रश्न 1. आपको किन चीजों से ज्यादा लगाव है ?

उत्तर _____

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प्रश्न 2. आपके क्या शौक हैं ?

उत्तर _____

-

प्रश्न 3. आपका प्रिय खेल कौन-सा है ?

उत्तर _____

-

प्रश्न 4. आप अपने घर के किस सदस्य से ज्यादा प्यार करते हैं ?

उत्तर _____

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प्रश्न 5. आप भविष्य में क्या बनना चाहते हैं ?

उत्तर _____

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विषय: - संस्कृतम्

- 1) 'सुवचनानि'- इत्यस्य पाठस्य श्लोकान् अन्वयैः सह सुन्दरैः अक्षरैः लिखन्तु स्मरन्तु च।
- 2) किम् शब्दस्य रूपाणि (त्रिषु लिङ्गेषु) अन्यानि प्रश्नवाचक-पदानि च लिखन्तु स्मरन्तु च।
- 3) गम्, दृश् च इत्यनयोः धातुरूपाणि पञ्चलकारेषु स्मरन्तु लिखन्तु च।
- 4) मति, कवि, साधु, मातृ च इत्येतेषां शब्दानां रूपाणि स्मरन्तु लिखन्तु च।
- 5) एकतः चतुः पर्यन्तं त्रिषु लिङ्गेषु, पञ्चाशततः शतं पर्यन्तं केवलं प्रथमा-विभक्तौ स्मरन्तु लिखन्तु च।

CHEMISTRY

1. Draw and label a neat diagram of:

The fire triangle

2. Structure of a candle flame showing

.3 Case Study: Research about the "Ujjwala Yojana" scheme in India. Write a 150-word report on how it helps in reducing pollution from wood burning.

. Find out about one natural disaster caused by burning fossil fuels.

Example: smog in Delhi, oil spills.

. Look up how biogas plants work in villages. Write how they help farmers and the environment.

You can use books, or ask elders. Write in your own words

Biology

- Cell Comic Strip

*Narrate the function of cell organelles.

*Create a comic strip showing the journey of a "Cell Explorer" meeting different organelles and learning their jobs.

NOTE:- Do the homework in project file with proper presentation.(You may make it in calendar form, 3 D form or in any other innovative way

- Chapter: Conservation of Plants and Animals

Student Details

Name: _____

Class & Section: _____

Roll No.: _____

Subject: Biology

Topic: Conservation of Plants and Animals

Date of Submission: _____

Introduction

Write 5–6 lines about the importance of conserving plants and animals.

Question–Answer Section

Q1. What is deforestation?

Answer: _____

Q2. Write any four causes of deforestation.

Q3. Mention any four effects of deforestation.

Q4. What is a wildlife sanctuary?

Answer: _____

Q5. Differentiate between Wildlife Sanctuary and National Park.

Wildlife Sanctuary

National Park

Q6. What is a biosphere reserve?

Answer: _____

Q7. What is Red Data Book?

Answer: _____

Q8. Name two endangered animals of India.

Answer:

NOTE:- Do the homework in project file with proper presentation.

PHYSICS

1. Make a concept map on different types of forces, including their definitions and one example for each.

2. Design a 3D model to demonstrate how liquid pressure varies with depth.

3. Write down the answers of the following questions in your notebook:

Why are the pillars of bridges made wider at the base where they touch the river bed?

Why is a glucose bottle always kept at a height above the patient's arms instead of being kept on the bed?

Why do airtight snack packets expand at high altitude mountain station?

How will pressure vary if:

Force is halved

Area is tripled

Both force and area are doubled

Why must the bulb of a dropper be squeezed before immersion in a liquid to fill it?

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HISTORY:-

1. On the political map of India locate and name the states where tribal communities live as per the current political divisions of India.

CIVICS:-

1. What is secularism and indian secularism? Explain this with the help of suitable examples.

GEOGRAPHY:-

1. Prepare a pictorial chart of the classification of the Resources. Explain each resources with the help of proper examples.

English

Activities

1. Write about your vacation plan

2. Paste a picture of a place you have visited and write about the places and sites you have missed there.

3. Paste a picture of a famous personality and write Few lines about him.

4. Learn all the questions answers of chapters 1 and 2

Note...do all the homework in a scrap book

MATHS

SHORT QUESTION ANSWERS

- Which of the following triplets are Pythagorean?
(3,4,5) , (6,7,8) , (10, 24,26) , (2,3,4)
- By what smallest number must 180 be multiplied so that it becomes a perfect square? Also find the square root of the number so obtained.
- Find the value of $\sqrt{50625}$ and hence the value of $\sqrt{506.25} + \sqrt{5.0625}$.
- An officer wants to arrange 2,02,500 cadets in the form of a square. How many cadets were there in each row.
- The area of a square plot is $800 m^2$. Find the estimated length of the side of the plot.
- Evaluate:- $\sqrt[3]{\frac{0.027}{0.008}} \div \sqrt{\frac{0.09}{0.04}} - 1$
- Prove that if a number is tripled, then its cube is 27 times the cube of the given number.
- Find the cube root of the following:-
a. $\sqrt[3]{3375 \times (-729)}$ b. $\sqrt[3]{\frac{-686}{-2662}}$ c. $\sqrt[3]{-474552}$
- Find the smallest number by which 2560 must be multiplied so that the product is perfect cube.
- What is the smallest number by which 1715 should be divided so that the quotient is a perfect cube?
- If y is directly proportional to $\frac{1}{x}$ and x=2 when y= 20, what is the value of x when y = 1.25?
- l varies directly as m and l is equal to 5, when $m = \frac{2}{3}$. Find l when $m = \frac{16}{3}$.
- If x and y vary inversely and y = 45. Find x when constant of variation =9.
- A train 280 metres long is running at a speed of 42 km/hr. How much time will it take to pass a man standing on a platform?
- A train 150 m long is running at a speed of 72km/hr. It crosses a bridge in 13 seconds. Find the length of the pole.

LONG QUESTION ANSWERS

- Find the smallest number by which 3645 must be divided so that it becomes a perfect square. Also, find the square root of the resulting number.
- Find the smallest number by which 1100 must be multiplied so that the product becomes a perfect square. Also find the square root of the perfect square so obtained.
- Find the least number which must be added to 6203 to obtain a perfect square. Also find the square root of the number so obtained.
- Find the square root of the following (correct to three decimal places)
a. 7 b. 3

5. Find the least number of six digits which is a perfect square. Find the square root of this number.
6. Find the smallest number by which 8788 be divided so that the quotient is perfect cube.
7. Find the cube root of 1110592 by estimation.
8. Three numbers are in the ratio 2:3:4. The sum of their cubes is 33597. Find the numbers.
9. If l is inversely proportional to \sqrt{m} and $l = 6$ and $m=4$. What is the value of m when $l=4$?
10. A shopkeeper has enough money to buy 40 books, each costing ₹ 125. How many books he can buy if he gets a discount of ₹ 25 on each book?
11. A train 270 m long is running at a speed of 80 km/hr. How much time will it take to cross a platform 130m long?
12. Ramit can finish his work in 25 days, working eight hours a day. If he wants to finish the same work in 20 days, how many hours should he work in a day?
13. A garrison of 120 men has provision for 30 days. At the end of five days, five more men joined them. How many days can they sustain on the remaining provision?
14. Devika has a square piece of cloth of area $9m^2$ and she wants to make 16 square shaped scarves of equal size out of it. What should possibly be the length of the side of the scarf that can be made out of this piece?
15. Find the square root of the following:-
(a) 0.053361 (b) 150.06205

ACTIVITY

1. Write 10 examples of direct and inverse variation from your surroundings.
2. Write 5 examples of Pythagorean triplet and explain why they are Pythagorean triplets.