



D Y PATIL INTERNATIONAL SCHOOL, BOKARO

Vidya Yihar Complex, Talgaria Road, Alkusa-827013
(Affiliated to C.B.S.E, New Delhi, up to +2 level, Affiliation no. 3430753)

HOLIDAY HOMEWORK (SUMMER VACATION)

SESSION: 2026-27

| <u>GRADE -... VIII</u> | |
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| SUBJECT | TOPIC |
| ENGLISH | <p>Complete the following holiday homework neatly in your English notebook/project file. The work should be done in your own handwriting and submitted after the summer vacation.</p> <p>Literature Section</p> <p>Read the following chapters thoroughly: An Old Friend After Twenty Years Stopping by Woods on a Snowy Evening</p> <p>Write: A summary of each chapter/poem in about 80–100 words. Meanings of 10 new words from each lesson. Frame one sentence with each new word. Character Sketch: Write a character sketch of any one character from After Twenty Years.</p> <p>Poem Activity: Learn and write the poem Stopping by Woods on a Snowy Evening with proper poetic lines and decorate the page creatively.</p> <p>Grammar Section</p> <p>Revise and complete exercises based on: Noun Case and Clauses Determiners Regular and Irregular Verbs Linking Verbs Sentence Reordering</p> <p>Activity Work</p> <p>Write 15 examples each of: Proper Nouns Common Nouns Abstract Nouns</p> <p>Prepare a chart/table of 25 Regular and 25 Irregular Verbs with their past and past participle forms.</p> <p>Writing Section</p> <p>Prepare one attractive Poster on any one topic: Save Environment Say No to Plastic Importance of Reading</p> <p>Write one Diary Entry describing: Your summer vacation experience</p> <p style="text-align: center;">OR</p> |

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| | <p>A memorable day with your family</p> <p>Art Prompt Writing:</p> <p>Paste or draw a picture and write 8–10 sentences describing it creatively.</p> <p>Speaking Practice</p> <p>Speak in English daily for 5–10 minutes with your family or friends to improve fluency and confidence.</p> <p>Instructions</p> <p>Maintain neatness and proper presentation.</p> <p>Use coloured pencils/sketch pens wherever required.</p> <p>Submit the homework on the reopening day positively.</p> |
| <p>SCIENCE</p> | <p>Physics (For all)</p> <ol style="list-style-type: none"> Write activity 8 and activity 9 from chapter force and pressure in practical file. (Name as experiment 1 and 2 in file) Revise chapter force and pressure [Roll no. 1-5] <ol style="list-style-type: none"> Draw a collage/painting that shows “lightning safety tips (outdoor)”. [On 1/4th of a chart paper [Roll 6-10] Draw a collage/painting that shows “lightning safety tips (indoor)”. [On 1/4th of a chart paper] [Roll 11 onward] Draw collage/painting that shows “the harmful effect of sound and prevention to control noise pollution.” [On 1/4 th of a chart paper]H.W. <p>Biology</p> <ol style="list-style-type: none"> Collect five different varieties of seeds, put them in small transparent bags and label them. Find out how and why they should be sown. Also try to find out which type of soil is best for their growth. On a large chart paper draw: Chain pump Dhekli Rahat On a large chart paper write some common human diseases caused by microorganisms. Draw the “Nitrogen Cycle”. Make a model of a “Wooden Plough”. Write and learn 15 internal questions and answers of Lesson-2 “Microorganisms”. <p>Chemistry</p> <ol style="list-style-type: none"> Draw a coloured and labelled diagram to show the fractional distillation of crude oil. (page no. 84) Prepare a chart to show all the physical properties of metals and non metals in A4 size paper. Prepare an attractive project to show the different states of matter and shows their interconversions. Prepare a model either on a) Pollution or b) Water purification Prepare a working model which shows the conductivity of electricity towards metal and non metals. Complete the exercise of chapter 4 (metals and non metals) in your notebook and learn it properly. |
| <p>S.ST.</p> | <ol style="list-style-type: none"> Students are required to prepare a theme-based Social Science model as part of holiday homework under the theme “Resource Conservation and Sustainable Utilisation.” Students will prepare a creative clay or thermocol model showing the utilisation and conservation of resources such as |

water, forests, coal, petroleum, iron, land, minerals, or other natural resources. The model should demonstrate the importance of proper resource management and conservation for future generations.

Students should also attach a small write-up including the title of the model, resource chosen, its uses, methods of conservation, materials used, and personal learning experience.

Models should be neat, creative, properly labelled, and should reflect originality, research, and activity-based learning. Students should use clay, thermocol, cardboard, colours, charts, and eco-friendly materials wherever required. Viva/Presentation to be conducted after submission.

2. Complete book exercise of civics " India's Electoral system in classwork copy" .

MATHS

- 1) Find the sum without actual addition.

| | |
|----------------------------|---------------------------------|
| (a) 1 + 3 | (b) 1 + 3 + 5 + 7 |
| (c) 1 + 3 + 5 + 7 + 9 + 11 | (d) 1 + 3 + 5 + 7 + 9 + 11 + 13 |
- 2) Write down the correct number in each blank.

| |
|---------------------------------|
| (a) $(203)^2 - (202)^2 =$ _____ |
| (b) $(869)^2 - (868)^2 =$ _____ |
| (c) $(463)^2 - (462)^2 =$ _____ |
- 3) Using $(50)^2$, find $(49)^2$.
- 4) Find the square of the following using column method.

| | | |
|--------|--------|--------|
| (a) 26 | (b) 42 | (c) 98 |
|--------|--------|--------|
- 5) Find the square of the following number using the identity $(a+b)^2 = a^2 + 2ab + b^2$.

| | | |
|---------|---------|---------|
| (a) 610 | (b) 102 | (c) 305 |
|---------|---------|---------|
- 6) Using prime factorisation method find which of the following are perfect squares.

| | | | |
|-----------|---------|------------|----------|
| (a) 51984 | (b) 343 | (c) 140250 | (d) 6561 |
|-----------|---------|------------|----------|
- 7) Find the least perfect square number which is exactly divisible by 8, 9 and 10.
- 8) The product of two numbers is 1600. If one number is 16 times the other, find the numbers.
- 9) Find the cube of the following:

| | | | |
|--------|--------|---------|-------------------|
| (a) 15 | (b) 60 | (c) 3.1 | (d) $\frac{3}{5}$ |
|--------|--------|---------|-------------------|
- 10) Find the smallest number by which the following must be multiplied to make them the perfect cube:

| | | | |
|----------|----------|-----------|----------|
| (a) 3136 | (b) 2560 | (c) 14400 | (d) 5400 |
|----------|----------|-----------|----------|
- 11) Find the cube roots of the following fractions:

| | | |
|-----------------------|-----------------------|---------------------------|
| (a) $\frac{216}{729}$ | (b) $\frac{343}{512}$ | (c) $\frac{10648}{12167}$ |
|-----------------------|-----------------------|---------------------------|
- 12) If $6^{2x+1} \div 36 = 216$, find the value of x.
- 13) By what number should $(\frac{1}{7})^3$ be multiplied to get $(-\frac{3}{7})^4$?
- 14) Find the value of $x + x(x^x)$ when $x = 2$.
- 15) Activity 1
To verify the algebraic identity $(a + b)^2 = a^2 + 2ab + b^2$ geometrically.
- 16) Activity 2
To verify the algebraic identity $(a - b)^2 = a^2 - 2ab + b^2$.
- 17) Activity 3
To verify the algebraic identity $a^2 - b^2 = (a + b)(a - b)$.

COMPUTER

ANSWER THE FOLLOWING QUESTIONS:-

What happens when a Threat is Detected ?

What advise will you give to others to become cyber safe ?

What are the requirements to become a Cyber security professional ?

How do you see the future of AI in the real world ?

Mention at least three important areas where AI plays a vital role to protect data from being misused .

Explain the significance of data in the field of AI.

| | |
|-----------------|---|
| | What are the advantages of cloud computing ? Explain What are the advantages of computer network ? |
| HINDI | 1 - संधि ,समास ,विकारी और अविकारी शब्दों की परिभाषा लिखें और उनके भेद भेदों का रेखा चित्र बनाएं । 2 - व्याकरण पुस्तक में पठित सभी पाठों के पुस्तकीय कार्य करें । 3 - “कुछ बातें अनकही सी”शीर्षक देकरअपने घर के बड़े -बुजुर्गों द्वारा बताए गए किसी किस्से को सचित्र लिखें । |
| SANSKRIT | 1.शब्दरूप -मुनि,नदी शब्द का शब्द रूप कॉपी में लिखकर याद करें। 2. धातुरूप -कृ,स्था धातु के धातुरूपों को सभी लकारों में कॉपी में लिखकर याद करें। 3. समास का एक मॉडल तैयार करें। |