



DAV PUBLIC SCHOOL
Sec-3,Dhurwa-Ranchi 4
Affiliated to CBSE Delhi (10+2)



Session: 2026-27.

CLASS -VIII

SUBJECT -SCIENCE

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Class VIII , SCIENCE , Holiday Homework

General Instructions:-

- *Complete all work neatly in a separate file/notebook.
- *Use colours, and pictures wherever required.
- *Submit after summer vacation.
- *Viva/project presentation may be taken.

Project Work-

(PHYSICS PROJECT)

Students are instructed to prepare a project in PHYSICS in a STICK FILE based on topics Heating effect of electric current with clearly mention each and every module with the help of some suitable diagrams and the project is well documented .

(CHEMISTRY PROJECT)

Students are instructed to prepare a project in CHEMISTRY in a STICK FILE based on topics Chemical and their conductivity behavior ,Electroplating and purification of metals, effect of electric current with clearly mention each and every module with the help of some suitable diagrams and the project is well documented .

Copy work -

1. What is science? Explain the importance of scientific investigation in daily life.
2. Describe the steps involved in the scientific method.
3. Explain the importance of observation and experimentation in science.
4. What is a hypothesis? Explain its role in scientific investigations.
5. Differentiate between observation, inference, and conclusion with examples.
6. Explain how scientists use experiments to solve problems.
7. Describe the importance of laboratories and scientific tools in research.
8. What are the qualities of a good scientist? Explain in detail.
9. Explain the role of curiosity and creativity in scientific discoveries.
10. Describe the contributions of famous scientists to the development of science.
11. Explain how science and technology are connected with each other.
12. Describe the importance of evidence in scientific investigations.
13. What are microorganisms? Explain their main characteristics.
14. Describe the different types of microorganisms with suitable examples.
15. Explain the importance of microorganisms in our daily life.
16. Differentiate between useful and harmful microorganisms with examples.
17. Describe the role of bacteria in nature and human life.
18. Explain the importance of fungi in food production and decomposition.
19. What are viruses? Explain their characteristics and effects on living organisms.
20. Describe how microorganisms help in the preparation of curd, bread, and other food items.

21. Explain the role of microorganisms in agriculture and soil fertility.
22. Describe the nitrogen cycle and the role of microorganisms in it.
23. Explain how microorganisms cause diseases in humans, animals, and plants.
24. What are communicable diseases? Explain how they spread.
25. What is electric current? Explain how it flows in an electric circuit.
26. Describe the magnetic effect of electric current with suitable examples.
27. Explain the construction and working of an electromagnet.
28. What are the factors affecting the strength of an electromagnet?
29. Differentiate between permanent magnets and electromagnets.
30. Describe the uses of electromagnets in daily life and industries.
31. Explain Oersted's experiment showing the magnetic effect of electric current.
32. What is the heating effect of electric current? Explain with examples.
33. Describe the working principle of an electric heater and electric iron.
34. Explain how an electric bulb produces light due to the heating effect of current.
35. What is a fuse? Explain its importance in electrical safety.
36. Describe the causes and dangers of short circuits and overloading.
37. Explain the precautions that should be taken while using electrical appliances.
38. Differentiate between conductors and insulators with examples.
39. Explain the role of switches, wires, and cells in an electric circuit.
40. Describe the applications of the magnetic effect of current in modern technology.

Holiday Homework S.S.T

General Instructions:-

- *Complete all work neatly in a separate file/notebook.
- *Use colours, maps, and pictures wherever required.
- *Submit after summer vacation.
- *Viva/project presentation may be taken.

Activity work -

Create a simple EVM (Electronic Voting Machine) model.

Copy work:-

- What are natural resources?
- Differentiate between renewable and non-renewable resources.
- Why should we conserve water?
- Explain the importance of forests.
- What is sustainable development?
- Explain the importance of national unity.
- What changes took place in India after independence?
- What is state reorganization?
- Why was linguistic reorganization important?
- Name some newly formed states.

Project file work

- Meaning of natural resources
- Types of resources
- Renewable and non-renewable resources
- Importance of conservation
- Ways to save natural resources

Activity:

- Draw/paste pictures of:
Solar energy

Water conservation

Forest conservation

Explain with examples:

Land

Labour

Capital

Entrepreneurship and Paste related pictures.

Class – VIII

Holiday Homework

Math

Q-1. Find the length of the side of a square whose area is 441m^2

Q-2. Find the smallest square number that is divisible by each of the following numbers: 4, 9 and 10.

Q-3. Find the smallest number by which 9408 must be multiplied so that the product is a perfect square. Find the square root of the product.

Q-4. What number will you multiply by 1323 to make it a cube number?

Q-5. There are 5 bottles in a container. Every day, a new container is brought in. How many bottles would be there after 40 days?

Q6. A dairy plans to produce 8.5 billion packets of milk in a year. They want a unique ID code for each packet. If they choose to use the digits 0-9, how many digits should the code consist of?

Q7. Represent the following numbers in the Egyptian system: 10458, 1023, 2660, 784, 1111, 70707.

Q8. Identify the features of the Hindu number system that make it efficient when compared to the Roman number system.

Q9. Find the cube roots of 27000 and 10648.

Q10. How many numbers lie between the squares of the following numbers?

(i) 16 and 17

(ii) 99 and 100

11. Which one among 642, 1082, 2922, 362 has last digit 4?

Project Work

Art integrated project work on The Egyptian Number system.

* Project work must be created in a folder file.

Holiday Home work

Session 2026-27

Class VIII

Subject - G. K.

Q:1. What does LED stand for?

.Q: 2.Which substance produces heat when subjected to friction?

Q: 3. What is the largest organ in the human body?

Q: 4. Which metal is found in liquid form at room temperature?

Q: 5. Who founded the search engine Google?

Q: 6. Which is the largest desert in the world?

Q:7. Which continent is considered the hottest?

.Q:8. Where is the pyramid of Khufu located?

Q: 9. Which planet has the longest rotational period?

Q: 10. Which ocean lies to the south of India?

- Q: 11. Who was the first woman Prime Minister of India?
 Q: 12. When did India celebrate its first Republic Day?
 .Q: 13. Which Mughal ruler is associated with Bibi ka Maqbara?
 Q: 14. Who is the father of the Indian Constitution?
 .Q: 15. What was the ruling period of Razia Sultana?
 Q: 16. Which Indian state has the longest coastline?
 Q: 17. What is the capital of Australia? .
 Q: 18. Which bird can fly backwards?
 Q: 19. Where is Salim Ali National Park located?
 Q: 20. When is Earth Day celebrated?

INSTRUCTION : * Write neatly in a separate note book.
 Use colour's & draw neatly.
 Complete homework on time.

(English literature)

1. Learn and write hard words and word meaning of Ch-1,2 and 3
2. Learn question/Answer of Ch-1,2 & 3

(English grammar)

1. Identify the type of sentences:

- a) Please close the door.
- b) What a beautiful garden it is!
- c) Do you play football?
- d) I love reading books.
- e) Hurray! We won the match.

2. Underline the subject and circle the predicate:

- a) The little boy played in the park.
- b) My best friend sings beautifully.
- c) The birds are flying in the sky.
- d) The old man walked slowly.
- e) Our teacher explained the lesson clearly.

3. Change the nouns into plural form:

- a) Child
- b) Mouse
- c) Leaf
- d) Woman
- e) Tooth

Essay Writing

4. Write any one essay in about 150–200 words:

- a) Importance of Trees
- b) My Favourite Teacher
- c) How I Spent My Summer Vacation

(Writing section)

1. You are a member of the Nature Club of your school. Draft a notice informing the students of Grades 6-8 about the inauguration of the Herb Garden.

Points to remember: Mention the purpose of writing, date, time, venue, and any other relevant information-whom to contact, when, and where. Use formal language in the third person form.

Write the notice in a box.

2. You have observed that the kutcha road leading to your colony is in a very bad condition due to

heavy rains. The potholes are dangerous for people and can lead to accidents. They also serve as a breeding ground for mosquitoes as there is stagnant water all around.

Write a letter of complaint to the Commissioner, Municipal Corporation or the Sarpanch, Gram Panchayat to look into the matter and take necessary action.

(PROJECT WORK)

Prepare flashcards for nouns, pronouns, and verbs.

Class - VIII

Subject -Sanskrit

प्रश्न -1 अधोलिखितानाम् प्रश्नानां उत्तराणि पूर्ण वाक्येन लिखत।

क- सर्वेषां मनः कीदृशं भवेत्?

ख- सर्वे किं परित्यज्य एक्यभावेन जीवेयुः?

ग- मित्राणि ग्रीष्मावकाशे कुत्र गच्छन्ति?

घ - सर्वे उच्चस्वरेण किं प्रार्थयन्तः?

ङ- कपोतः राजस्य नाम किं?

प्रश्न -2 नदी और लता शब्द रूप लिखो।

प्रश्न -3 गम् धातु, पठ् धातु लृट् लकार रूप लिखो।

प्रश्न -4 प्रत्यय लिखो।

आगम्य, आनीय, उत्थाय, प्रणम्य, उपकृत्य

विस्मृत्य, पठनीय, लिखित्वा, पठित्वा, स्वीकृत्य

Project Work

प्रश्न -5 "सरस्वती प्रार्थना" श्लोक लिखो और वीणा धारणी की हुई सरस्वती जी का चित्र बनाओ।

प्रश्न -6 "वर्णोच्चारण शिक्षा" पाठ का चित्र बनाकर संस्कृत में नाम लिखो। पेज नं- 148,149

प्रश्न -7 मञ्जुल मञ्जूषा सुन्दर सुरभाषा पाठ का चित्र बनाकर श्लोक लिखो। पेज नं- 76,77

Holiday homework

Class -8

Subject -Hindi

मल्हार- पाठ 1 - पाठ को प्रतिदिन रीडिंग करें और प्रश्न उत्तर याद कर लिखो।

पाठ -2 पाठ को प्रतिदिन रीडिंग करें दिखाए गए प्रश्न उत्तर को याद कर लिखो।

व्याकरण- 3.समास किसे कहते हैं?

4.समास की परिभाषा पांच पांच उदाहरण के साथ लिखें।

5.भाषा लिपि और व्याकरण वर्ण पढ़ाए गए पाठों की पुनरावृत्ति करें।

6. एनसीईआरटी की पुस्तक मंगवाने के लिए पुस्तक विक्रेता को पत्र लिखें।

7.प्रोजेक्ट-रूपरेखा

कविता स्वदेश पर प्रोजेक्ट तैयार करें। कवर पेज आकर्षक हो कवि परिचय, चित्रकार में हिमालय, गंगा, वीर सैनिकों और प्राकृतिक दृश्य के चित्र चिपकाएं भावार्थ की व्याख्या निष्कर्ष लिखें।

File Work – Art /Drawing

Draw any beautiful Mandala art with pen shading in A3 size drawing sheet.

Draw a beautiful scenery picture with Mountain, river, trees, Sun and colour it in A3 size drawing sheet.

Draw a sea shore picture with boats and colour it in A3 drawing sheet.

Draw a lady with pot picture and colour it in A3 Size drawing sheet.

Draw two deer picture with green nature and colour it properly in A3 size drawing sheet.

Draw a any God picture and colour it in A3 Size drawing sheet.

Craft work-

Make any wall hanging craft from any art materials.

Make a bottle Art painting or bottle craft from waste bottle.

Holiday homework

Subject - computer

Part A: Learn and write:

What is a computer network?

Differentiate between LAN and WAN.

What are the advantages of networking?

Explain networking devices used in communication.

Write advantages and disadvantages of computer networking.

Explain different types of computer networks with examples.

Write advantages and disadvantages of computer networking.

Application based Question

Situation:

A school computer lab has 20 computers connected together for sharing files and printers.

Questions:

Which type of network is used here?

Name one device used to connect these computers.

Write two advantages of networking in schools.

Part B: Project

Project 1: Chart

Draw a LAN diagram of your computer lab. Label 1 server, 5 clients, 1 switch, 1 printer.

Project 2: Collect Pictures

Paste pictures of Modem, Router, Switch, LAN cable, and write 2 uses of each.

Project 3: Write Short Notes

1. Difference between LAN and WAN

2. Why is internet called "Network of Networks"?

