

# D.A.V. CENTENARY PUBLIC SCHOOL

SEC- 6, BAHADURGARH,

CLASS-VII SUMMER HOLIDAYS HOMEWORK (2026-27)



**“A vacation helps to relieve stress and boredom, gives us a change of scenery, provides us with adventure, and helps to bring us closer to the people in our lives.”**

**By :- E. S. Woods**

***Dear Students,***

**Warm Wishes!**

**We pray and wish the best of health and cheerful times to you. Vacations is a time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these days. This summer vacation the holiday homework is designed for you all to achieve the motto of " Fun and Learn".**

**The activity based assignments will foster curiosity, develop creativity and instill the joy of learning among you all. So, make sure you extract the maximum benefit out of these holidays.**

***Summer Tips:***

- ❖ **Start your day with gratitude and prayers.**
- ❖ **Exercise daily and practice meditation.**
- ❖ **Assist your mother in household chores.**
- ❖ **Pledge for "Eat Right"- Less Sugar, Less Oil and Less Salt**
- ❖ **Wash hands frequently, especially before and after meals**
- ❖ **Read newspaper daily and stay updated with current affairs.**
- ❖ **Water the plants and rejoice the beauty of nature**

**Instructions:**

1. Students have to do their holiday homework in the assigned notebooks.
2. GK, Naitik Shiksha and Computer holiday homework has to be done in the fair notebooks.

**ENGLISH****Q1. Modal Verbs**

Fill in the blanks with suitable modal verbs (can, could, should, must, may, etc.)

1. You \_\_\_\_\_ obey your parents and teachers.
2. \_\_\_\_\_ I borrow your pen for a while?
3. We \_\_\_\_\_ work hard to achieve our goals.
4. It \_\_\_\_\_ rain today, so carry an umbrella.

**Q2. Articles**

Fill in the blanks with suitable articles (a, an, the)

1. She is reading \_\_\_\_\_ interesting storybook.
2. I saw \_\_\_\_\_ tiger in the forest.
3. \_\_\_\_\_ Ganga is a holy river.
4. He bought \_\_\_\_\_ new bicycle yesterday.

**Q3. Change the following sentences into past tense.**

1. Rahul plays football every day.
2. They visit their grandparents on Sundays.
3. She writes neatly.

**Q4. Write a paragraph (80–100 words) on:**

“How I Spent My Summer Vacation”

**OR**

“The Importance of Trees”

**Q5 . Read Unit 1 and 2 of English Reader book and try to do book exercises.**

**Q 6. Revise Chapter 1, 2 and 3 of literature.**

**Q7. Project work**

**Topic: “Save Environment, Save Earth”**

**Instructions:**

- Use A4 sheets or a scrapbook.
- Include:
  - Pictures related to environment protection
  - 5 ways to save nature
  - A slogan on saving Earth

- Decorate neatly and creatively.8. Reading activity.

Read any English storybook during the holidays and write:

- Name of the book
- Name of the author
- Main characters
- What lesson did you learn from the story?

## HINDI

- अब तक करवाए गए संपूर्ण पाठ्यक्रम की पुनरावृत्ति कीजिए।
- प्रतिदिन पठन-अभ्यास अवश्य कीजिए तथा शुद्ध उच्चारण के साथ 15 मिनट पाठ पढ़िए।
- पाठ 4, 6 और 7 का सारांश 50 से 60 शब्दों में लिखिए।

\*साहित्यिक अभिव्यक्ति\*

(क) कविता लेखन:- निम्न विषयों में से किसी एक विषय पर 8-10 पंक्तियों की कविता लिखिए—  
भारतीय संस्कृति, नई पीढ़ी, प्रकृति का संदेश

(ख) निम्न विषयों पर अनुक्रमांक के अनुसार रचनात्मक मॉडल तैयार कीजिए:-

- (1 - 15) योग एवं स्वस्थ जीवन  
(16 - 30) दैनिक जीवन में प्रयोग की जाने वाली तीन आधुनिक तकनीकें  
(31- 48) जल संरक्षण

\*अवलोकन गतिविधि\*

अपने आसपास के किसी उद्यान, पुस्तकालय अथवा वृद्धाश्रम का अवलोकन कीजिए तथा वहाँ देखी गई पाँच विशेष बातें लिखिए।

\*रचनात्मक लेखन\*

ग्रीष्मावकाश की किसी एक स्मरणीय घटना का 80-100 शब्दों में वर्णन कीजिए तथा उससे प्राप्त शिक्षा भी लिखिए।

निर्देश:

- \* समस्त कार्य स्वच्छ, सुंदर एवं शुद्ध हस्तलेख में कीजिए।
- \* कार्य निर्धारित समय पर पूर्ण कर विद्यालय खुलने पर प्रस्तुत कीजिए।

## MATHS

1. Find the decimal representation of the following rational number —

a)  $\frac{-27}{4}$     b)  $\frac{-37}{60}$

2. Simplify and express the result as a rational number in its lowest term:-

$$\frac{2}{5} - \frac{1}{4} + (8.7 \times 2.7) \div 0.09$$

3 find the value of x so that:-

$$\left[\frac{-3}{2}\right]^6 \times \left[\frac{4}{9}\right]^3 = \left[\frac{1}{2}\right]^{3x}$$

4 Find the reciprocal of each of the following:-

a)  $\left[\frac{-8}{13}\right]^{99}$     b)  $\left[\frac{7}{8}\right]^2$

5 simplify and express the result in exponential form:-

$$\left[\left(\frac{12}{5}\right)^0 \times \left(\frac{12}{5}\right)\right]^5$$

6 By what number should  $\left[\frac{-2}{3}\right]^3$  be divided so that the quotient may be equal to  $\left[\frac{9}{4}\right]^{-2}$ ?

7 Simplify the following and express the result as decimal:-

$$(156.25 \div 0.025) \times 0.02 - 5.2$$

**8 Without performing the actual division, determine which of the following rational numbers have a terminating decimal representation and which have a non-terminating decimal representation.**

$$\frac{13}{80}, \frac{37}{21}, \frac{15}{11}, \frac{22}{7}$$

**9 Express the following as a power of rational numbers:-**

$$\frac{-343}{512}, \frac{32}{243}$$

**10 Find the value of x so that**

$$\left(\frac{4}{5}\right)^{-2} \div \left(\frac{-8}{5}\right)^{-2} = (2)^{3x}$$

**11. Revision of Brain Teasers – Unit 1,2,3,4**

**12. PROJECT WORK–**

**FOR ROLL NUMBER 1-20-**

**Create a working model using cardboard and split pins with two movable arms to demonstrate the following types of angles:**

- Acute Angle
- Right Angle
- Obtuse Angle
- Straight Angle
- Reflex Angle

**Your Model Should Include:**

- Names of all angle types
- Their degree ranges
- Examples of each angle
- A movable pair of arms that can be rotated to form different angles

**FOR REMAINING ROLL NUMBERS–**

**Create neat and colorful models of the following 3D shapes using cardboard, chart paper, or any craft material:**

- Cube
- Cuboid
- Cone
- Cylinder
- Pyramid
- Sphere

**For each shape, mention:**

1. Number of Faces
2. Number of Edges
3. Number of Vertices
4. One Real-Life Example

**NOTE :- Do Question 1 to 10 in your Assignment notebook.**

**SCIENCE**

**Chapter 1: Nutrition in Plants**

**Experiment: Keep 1 potted plant in sunlight, 1 in dark for 5 days. Draw diagram + write 3-line**

observation.

Diagram: Draw photosynthesis process. Label sunlight, CO<sub>2</sub>, water, chlorophyll, O<sub>2</sub>, glucose.

Q&A:

- Q1: What are stomata? Where present?
- Q2: Name 2 insectivorous plants. Why do they eat insects?

Chapter 2: Nutrition in Animals

Table: Human digestive system - Write 5 organs + 1 function each.

Activity: Draw and label parts of Amoeba showing food vacuole.

One Word:

- Bile is secreted by \_
- Ruminant animal example: \_

Ch 3: Chemical Substances & Processes -

Cut-Paste 1 each:

Physical change = Ice melting | Chemical change = Paper burning

Draw: Iron + Water + Air - \_\_\_\_\_ Label it. Write the type of change.

One word:

New substance forms = \_\_\_\_\_ change

Gas in baking soda + vinegar =

Ch 4: Acids, Bases and Salts -

Kitchen Test: Test lemon, soap, sugar with turmeric paper. Make table: Substance | Color | Acid/Base

Draw : Litmus paper in acid = \_\_\_\_\_, in base = \_\_\_\_\_

Fill:

Acid + Base → Salt + \_

Antacid contains \_ to stop acidity

\*Learn chapter 1-4

## SOCIAL SCIENCE

Part A: History - Our Pasts II

1. Project: Dynasty Timeline Scroll

Choose any 1 dynasty from 700-1750 CE: Cholas, Mughals, or Delhi Sultans.

Make a scroll showing: Ruler names, 2 major achievements, 1 monument built, timeline. Add small drawings/maps.

2. Source Study: Inscription Decoder

Find a picture of any old inscription online or from your textbook.

Paste and write 5 lines: "If I were a historian, what 3 things can I learn from this inscription?"

3. Compare & Contrast Table

Make a table comparing "Administration under Cholas vs Delhi Sultans" on: Tax, Army, Local Government.

Part B: Geography -

4. Model: Layers of the Earth

Use clay/thermocool to make a 3D model of Earth's layers. Label: Crust, Mantle, Core.

Write 2 lines each on Sial and Sima.

**5. Map Work: India Physical Features**

On an A3 outline map of India, mark and label:

- Himalayas, Western Ghats, Eastern Ghats
  - Thar Desert, Deccan Plateau
  - Rivers: Ganga, Brahmaputra, Narmada, Tapi, Kaveri
- Use different colors and make an index.

**6. Weather Diary**

For 7 days, note: Temperature, Cloudy/Sunny, Windy/Calm at 9 AM.  
At the end, write: "How is weather different from climate?" in 4 lines.

**Part C:**

Chapters: On Equality, Role of Government in Health, How the State Government Works

**7. Poster + Slogan: Right to Equality**

Make an A4 poster on Article 15 with a catchy slogan.  
Give 2 real-life examples where equality is practiced in your school/locality.

**8. Field Report: My Local MLA**

Find out: Name of your MLA, constituency, political party.  
Write 8-10 lines.

**9. Flowchart: How a Law is Made**

Draw a flowchart showing steps: Issue raised by MLA → Discussion in Vidhan Sabha → Voting → Law Passed.  
Give an example like "Ban on Plastic Bags".

**Part D: Common for All - Skills + Current Affairs**

**10. Learn & Write: All states + UTs of India with capitals. Write once.**

**11. Newspaper Collage: Cut 4 news items on Environment, Govt Schemes, Heritage, or Disaster. Paste + write 1 line on why it matters.**

**12. Read & Review: Read any 1: Amar Chitra Katha on Akbar ON YouTube - DD National documentary on Qutub Minar. Write 10-line summary.**

**Note for Parents: Activities promote critical thinking, research, and citizenship skills as per NEP 2020. Encourage discussion, not copying.**

**SANSKRIT**

प्रश्न 1 शब्दरूप

निम्नलिखित शब्दों के रूप तीनों वचनों में लिखिए —

\* राम                      \* लता                      \* फल                      \* मुनि

2. धातुरूप

निम्न धातुओं के चारों लकार लिखिए —

\* पठ्                      \* गम्                      \* खाद्                      \* भू

3.1 से 30 तक संख्या संस्कृत में लिखिए।

4. रिक्तस्थानपूर्ति

उचित शब्द चुनकर रिक्त स्थान भरिए —

(अत्र, तत्र, सह, विना, शनैः)

1. रामः सीतया \_\_\_\_\_ गच्छति।
2. बालकः \_\_\_\_\_ चलति।
3. \_\_\_\_\_ पुस्तकं अस्ति।
4. \_\_\_\_\_ जलं जीवनं न सम्भवति।
5. विद्यालयः \_\_\_\_\_ अस्ति।

5. उपसर्ग पृथक् कुरुत

1. प्रगच्छति
2. उपविशति
3. समागच्छति
4. परिभ्रमति
5. निर्दिशति

6. प्रत्यय लिखिए

1. गत्वा
2. पठितुम्
3. लिखित्वा
4. आगत्य
5. कृत्वा

7. वाक्यानि अव्ययपदैः पूरयत -

मञ्जूषा

श्वः, तत्र, अत्र, अधः, विना

1. अहं "----- गृहं गमिष्यामि ।
2. रामः----- पठति ।
3. वृक्षस्य -----मयूरः अस्ति।
4. मोहनः श्यामं -----न गच्छति ।
5. -----फलानि सन्ति ।

8. अधः प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तपदानां सहायतया संस्कृतेन पञ्च वाक्यानि लिखत

मञ्जूषा



जलम्, वटवृक्षः, महिलाः पुरुषाः, ग्रामस्य गृहाणि, नयन्ति, वालाः, कूपात्, वृषभौ, उपविशन्ति, कृषकः क्रीडन्ति, कुर्वन्ति

प्रश्न 9 अधोलिखितानां संवादानां पूर्तिः मञ्जूषापदानां सहायतया कुरुत

1. राजेशः - भवान्----- "कुत्र गच्छति?"

2. प्रकाशः - अहम् भ्रमितुम् -----।

3. राजेशः- त्वम् कुत्र ----- गच्छसि ?

4. प्रकाशः - अहम् -----भ्रमितुम् गच्छामि। राजेशः -किं उद्याने अन्य अपि जनाः आगच्छन्ति ?

5. प्रकाशः- आम्, तत्र अनेके "-----भ्रमन्ति ।

मञ्जूषा

उद्याने, भ्रमितुम्, कुत्र, गच्छामि, जनाः

प्रश्न 10 Pt2 के पाठ्यक्रम की पुनरावृत्ति करें।

## GK

### Brain Booster

Solve the riddles:

1. I have keys but no locks. I have space but no room. What am I?
2. What comes once in a minute, twice in a moment, but never in a thousand years?
3. What has hands but cannot clap?

### Activity Work

- A chart on "Wonders of the World"
- Scrapbook of famous personalities

### Project Work

Topic: "Amazing India"

Paste pictures and write slogan on:

- Famous monuments
- Traditional dresses
- Famous foods

## NAITIK SHIKSHA

1. A3 शीट पर स्वामी दयानंद सरस्वती जी का चित्र बनाएं/ चिपकाएं और आर्य समाज के नियम 1 से 10 लिखें व याद करें।
2. पाठ 2, 3 और 4 पढ़ें तथा पाठ के मध्य से प्रश्नों के निर्माण का अभ्यास करें।
3. गायत्री मंत्र अर्थ सहित लिखें व याद करें।

## COMPUTER

1. Learn Chapter 2
2. Do the following questions in the fair computer practical file.
  - a. What is scratch?

- b. Why do we use scratch software?
- c. From where can scratch be downloaded?
- d. What is the extension of scratch?
- e. Name and explain the different components of scratch screen.
- f. What is animation? Name any 6 softwares which helps in applying animations.
- g. Draw a table showing the different generations of computers.
- h. Write a short note on ARPANET.
- i. Write a short note on super computing.
- j. Write all the full forms that came in chapter-1

**3. Project work as per roll numbers to be done on A4 size sheet**

**1-10 : Picture showing all the computers that evolved in the first generation of computers. Also write the year of evolution and full form of each..**

**11-20: Picture showing all the computers that evolved in the second generation of computers.**

**21-30: Picture showing all the computers that evolved in the third generation of computers.**

**31-40 : Picture showing all the computers that evolved in the fourth generation of computers.**

**41-last : Picture showing all the computers that evolved in the fifth generation of computers.**

### **DRAWING**

**1. Colouring in step by step book pages no till 1-15.**

**2. Draw step by step book pages in file till pg no 1-8.**

**3. Make a 3d wall hanging with waste material.**