

DAV PUBLIC SCHOOL, TITILAGARH
HOLIDAY HOME WORK FOR SUMMER VACATION
SESSION 2026-27

CLASS X		
SL.NO	SUBJECT	HOME WORK
1.	ENGLISH	<p>1. Learn 5 new words every day. For each word, students must write: Word, Meaning, Part of Speech, Synonym, Antonym</p> <p>One sentence using the word</p> <p>2. Parts of speech 1: Noun Define and write types of nouns Write 20 examples of each type Activity: Describe your school using at least 15 nouns</p> <p>2: Pronoun Learn types of pronouns Replace nouns with suitable pronouns in 15 sentences Write a paragraph about your best friend using pronouns</p> <p>3: Verb Learn main verbs & helping verbs Write 20 action verbs and 20 helping verbs Activity: Write your daily routine using verbs</p> <p>4: Adjective Learn types of adjectives Describe about your favourite teacher using at least 10 adjectives</p> <p>5: Adverb Learn types of adverbs Write 15 sentences using adverbs Identify adverbs from a newspaper article</p> <p>6: Preposition Learn common prepositions Draw a diagram showing positions (in, on, under, between) Write 10 sentences using prepositions</p> <p>7: Conjunction Learn coordinating & subordinating conjunctions Join 15 pairs of sentences Write a short story using conjunctions</p> <p>8: Interjection Learn common interjections Write 10 sentences showing emotions Create a short dialogue using interjections</p>

		<p>3.Analytical Paragraph Write in 100-120 words based on data/ideas: a. Importance of online education b. Effects of mobile addiction</p> <p>4.Article Writing Write 120-150 words: a . Value of discipline b . Importance of trees c . Social media: boon or bane</p> <p>5.Report Writing Topics: School annual function</p> <p>6.Speech Writing Topics: a. Importance of education b. Say no to drugs</p> <p>7.Diary Entry Situations: a. Feeling sad/happy b. Helping someone</p> <p>8.Story Writing (Any one) Begin with: a. "It was a rainy night..." b. "A sudden noise woke me up..."</p> <p>Include: Characters Problem Solution Moral</p> <p>9.Sentence Transformation a. He is too weak to walk. (Remove "too") b. She is very intelligent. (Use "so...that") c. As soon as he arrived, it started raining. (Use "no sooner") d. He said, "I am busy." (Indirect speech) e. She can solve the problem. (Passive voice)</p> <p>10.Find and correct the errors: The sun rise in the east and set in the west. It give us light and energy. People depends on it for many things</p>
2.	HINDI	<p>१. मीठी वाणी बोलने से दूसरों को सुख और अपने मन को शीतलता कैसे प्राप्त होती है?</p> <p>२ दीपक ददखाई देने पर अंधेरा कैसे मिट जाता है?</p> <p>३. ईश्वर कण-कण में है पर हम क्यों नहीं देख पाते?</p> <p>४ "युवा पीढी के कर्त्तव्य"के बारे में निबंध लिखिए।</p> <p>५. छोटी बहन के विवाह के शुभ अवसर पर अपने मित्र को बुलाने के लिए एक निमंत्रण पत्र लिखिए।</p>

(व्याकरण मवभाग)

- १.. पद और पदबंध की परिभाषा लिखिए ।
- २ पद के भेद तथा प्रकार के नाम लिखिए।
३. रचना के आधार पर वाक्य भेद की सभी भेदों का नाम तथा उदाहरण लिखिए ।

PHYSICS

1. Read the life history of any five famous Physicists around the globe and write about them and their discovery. (A report in about 200 words)
2. Write the PROJECT IDEA for Science Exhibition . It must include the title of the project, it's principle and working, diagram if any, materials required, Approx. cost of making, its use. Only idea to be submitted. No need to prepare the project now.(Prepare in A4 sheet paper)
3. Define the following terms in the context of spherical mirrors:
(a) Pole (b) Center of curvature (c) Principal axis (d) Principal focus.
4. Name the type of mirrors used in the following situations:
() Headlights of a car () Rear-view mirror of vehicle () Solar furnace
Support your answer with reason.
5. State the law of refraction of light that defines the refractive index of a Medium with respect to the other. Express it mathematically. How is the refractive index of any medium ' ' with respect to a medium ' ' related to the speed of propagation of light in two media and ? State the name of this constant when one medium is vacuum or air.
6. Explain the following terms related to spherical lenses:
(a) Optical centre (b) Centres of curvature (c) Principal axis
(d) Aperture (e) Principal focus

CHEMISTRY

1. Make a chart/ model of periodic table using color code metals, non-metals and metalloids.
2. Activity work- Rusting of iron
 - Take an iron nail and keep it in water for 2-3 days. Observe the changes. Write observation, Reason and conclusion in science H.W notebook.

3.

SCIENCE

		<p>3. Name the following compounds.</p> <ol style="list-style-type: none"> Na_2CO_3 CuSO_4 NH_4Cl Fe_2O_3 $\text{Zn}(\text{OH})_2$ $\text{Pb}(\text{NO}_3)_2$ KAlO_2 KHSO_4 $\text{Ca}(\text{NO}_3)_2$ K_2PbO_2 <p>4. Write the chemical formula.</p> <ol style="list-style-type: none"> Nitric acid Chromium chloride Ferric oxide Ammonium sulphate Laughing gas Milk of magnesia Gypsum Cupric chloride Zinc carbonate Potassium plumbite <p style="text-align: center;"><u>BIOLOGY</u></p> <p>1. State the events occurring during the process of photosynthesis. Is it essential that these steps take place one after the other immediately?</p> <p>2. The leaves of a plant were covered with aluminium foil, how would it affect the physiology of the plant?</p> <p>3. (a) A gas is released during photosynthesis. Name the gas and also state the way by which the gas is evolved.</p> <p>(b) What are stomata? What governs the opening and closing of stomata?</p> <p>4. In the experimental set up on 'CO₂ is released during respiration', if one forgets to keep the vial with KOH in the conical flask, how will the result vary? Give details</p> <p>5. Page no 81 intext question and answer.</p>
4.	SSC	<p style="text-align: center;">HISTORY</p> <p>1. Case Study / Project Work</p> <ul style="list-style-type: none"> ● Contribution of women in freedom struggle ● Impact of British policies on Indian economy ● Role of newspapers in spreading nationalism <p>👉 Include:</p> <ul style="list-style-type: none"> ● Introduction ● Main content ● Pictures/maps ● Conclusion

1. Poster on “Freedom Fighters of India”
2. Learn 5 important quotes of freedom fighters
3. Write short biographies (100–150 words each) of:
 - Mahatma Gandhi
 - Subhas Chandra Bose
 - Bal Gangadhar Tilak
4. Collect or draw pictures of:
 - Dandi March
 - Jallianwala Bagh
 - Printing Press

Write 2–3 lines explaining each.

GEOGRAPHY

1. Prepare notes on:

- Types of Resources (renewable & non-renewable)
- Soil types in India
- Major crops and their conditions
- Conservation of water resources
- Types of industries

2. Practice and label on India map:

- Major soil types
- Important rivers (Ganga, Yamuna, Godavari, etc.)
- Major dams (Bhakra Nangal, Hirakud, etc.)
- Coal and petroleum producing areas
- Major industrial regions

3. Project Work (Any ONE)

Choose a topic:

- Water scarcity in India
- Importance of forests
- Agriculture in India

4. Case Study / Survey

- **Study your local area:**
 - Source of water
 - Type of soil
 - Main occupation of people
- Write a short report (1–2 pages)

5. Poster on “Save Water”

POLITICAL SCIENCE

1. Case Study / Project Work

Choose a topic:

- Role of political parties in democracy
- Importance of elections in India
- Women participation in politics
- Challenges to democracy in India

👉 Include:

- Introduction
- Main points
- Examples
- Conclusion

2. Important Terms (Write meanings)

- Democracy
- Federalism
- Secularism
- Coalition Government
- Pressure Groups

3. Practical Activity

- Observe any election (school/local/news)
- Write:
 - Process of election
 - Importance of voting

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5. Mark states ruled by different political parties (recent elections) on a map of India.

ECONOMICS

1. Case Study / Source-Based Questions

Read a newspaper article related to economy or employment and answer:

- What is the main issue?
- Which sector is involved?
- Suggest solutions for improvement

2. Project Work

1. Prepare a project on “**Sectors of Indian Economy**” with examples.
2. Make a chart showing:
 - Primary sector
 - Secondary sector
 - Tertiary sector
3. Collect data on employment in your locality (at least 5 people) and classify their work into sectors.
4. Write 5 slogans on sustainable development

Why should we use resources carefully? Explain with examples.

5.	MATHS	<ol style="list-style-type: none"> 1. What is the Fundamental Theorem of Arithmetic? 2. Prove that every composite number can be written as a product of primes. 3. What are terminating and non-terminating recurring decimals? 4. State the condition for a rational number p/q to have a terminating decimal expansion. 5. Find HCF and LCM of: 306 and 657 6. Find HCF and LCM of: 144, 180 and 192 7. Find the largest number that divides 245 and 1029 leaving remainder 5 in each case. 8. Find the least number divisible by 15, 25 and 40. 9. Find the smallest number that when divided by 8, 12 and 15 leaves remainder 3. 10. Check whether $13/3125$ is terminating or non-terminating recurring. 11. Check whether $29/210$ is terminating or non-terminating recurring. 12. Prove that $\sqrt{2}$ is irrational. 13. Prove that $\sqrt{7}$ is irrational. 14. Show that the HCF of two consecutive even numbers is 2.
6.	ODIA	<p>୧. ଚାରୁ ହାସମୟା , ଚାରୁ ଭାଷମୟା ବୋଲି କାହାକୁ କୁହାଯାଇଛି ?</p> <p>୨. ଉତ୍କଳ ଜନନୀଙ୍କ ଶରୀରକୁ କି ଧୋଇ ଦେଉଛି ?</p> <p>୩. ସମୁଦ୍ରକୁଳ କେଉଁ କେଉଁ ବୃକ୍ଷ ଦ୍ୱାରା ଶୋଭିତ ?</p> <p>୪. ଉତ୍କଳର ଆକାଶ କାହାର କଳରବରେ ମୁଖରିତ ?</p> <p>୫. ପର୍ବତମାଳା ଗୁଡ଼ିକ ଉତ୍କଳ ଜନନୀଙ୍କର ଦେହରେ କିଭଳି ଭାବେ ଶୋଭା ପାଉଛି ?</p> <p>୬. କେଉଁ ମାନଙ୍କ କୁଟୀରଦ୍ୱାରା ଉତ୍କଳ ପବିତ୍ର ହୋଇଛି ?</p> <p>୭ . ସପ୍ତସଙ୍ଗ ସରଳାର୍ଥ ଲେଖ । ପଠିତ ପଦ୍ୟର ନ . ୧୪, ୧୫ ,୧୬ ,୩ ୧୭ ର ଉତ୍ତର ଲେଖୁ ଆଣିବ ।</p> <p>୮ . ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ: କ. ବନ୍ଦେ ଉତ୍କଳ ଜନନୀ କବିତାରୁ ଉତ୍କଳର ବୈଶିଷ୍ଟ୍ୟ ଉଲ୍ଲେଖ କର । ଖ. ବନ୍ଦେ ଉତ୍କଳ ଜନନୀ - ଏକ ଜାତୀୟ ବାଦୀ କବିତା କିପରି ନିଜ ଭାଷାରେ ବର୍ଣ୍ଣନା କରି ଲେଖ ।</p> <p>୯ . ଲିଖନ ବିଭାଗ : ପ୍ରବନ୍ଧ ଲେଖ କ. ପୁସ୍ତକ ପଠନର ମହତ୍ତ୍ୱ ଖ. ପଶ୍ଚିମ ଓଡ଼ିଶାର ନୂଆଖାଇ ପର୍ବ ଗ. ଜାତୀୟ ଶିକ୍ଷାନୀତି ୨୦୨୦</p> <p>୧୦ . ତୁମ ଅଞ୍ଚଳରେ ରାସ୍ତାର ଦୁରବସ୍ଥା ବିଷୟ ଦର୍ଶାଇ ଖବରକାଗଜର ସଂପାଦକଙ୍କ ନିକଟକୁ ଏକ ପତ୍ର ଲେଖ ।</p> <p>୧୧ . ତୁମ ଆଖପାଖରେ ଶବ୍ଦ ପ୍ରଦୂଷଣ ଜନିତ ସମସ୍ୟାକୁ ଭିତ୍ତି କରି ଯେକୌଣସି ପତ୍ରପତ୍ରିକାର ସମ୍ପାଦକଙ୍କ ନିକଟକୁ ଏକ ପତ୍ର ଲେଖ ।</p>