

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

CLASS IX

SL.NO	SUBJECT	HOME WORK
1.	ENGLISH	<p>1. Identify the parts of speech in the following sentence: "The little boy quickly ran towards the beautiful garden." Write 5 examples each of: Noun, Pronoun, Verb, Adjective, Adverb, Preposition, Conjunction, Interjection</p> <p>2. Write 10 sentences in: Present Tense Past Tense Future Tense Underline the verb in each sentence</p> <p>3. Change the voice of the following: Ram wrote a letter. She is singing a song. They will complete the work. The teacher praised the student. He has finished the task.</p> <p>4. Change into indirect speech: He said, "I am happy." She said, "I will go to school." Ram said, "I have completed my homework."</p> <p>5. Paragraph Writing (100-120 words) Importance of Discipline My Favourite Teacher Value of Time</p> <p>6. Write a letter to: Your friend describing your summer vacation OR The Principal requesting leave for 3 days</p> <p>7. Complete the story: "It was a hot summer afternoon. Suddenly, the sky turned dark..." (100-150 words)</p> <p>8. Write a diary entry about: "Your first day of summer vacation".</p> <p>9. Make a Grammar Chart File including: Tenses (with examples) Parts of Speech Voice & Speech Rules Use colours, diagrams, and examples.</p> <p>10. Every day learn 5 new words For each word, students must write: Word, Meaning, Part of Speech, Synonym, Antonym, One sentence using the word Example: Word: Beautiful Meaning: Pleasing to the eyes Part of Speech: Adjective Synonym: Pretty Antonym: Ugly Sentence: The garden looks beautiful in spring.</p>

2.

HINDI

1. गद्य (Prose)

अपनी पुस्तक 'गंगा' से किसी एक पाठ का विस्तृत सार (150-200 शब्द) लिखें।
उस पाठ के आधार पर 5 महत्वपूर्ण प्रश्न-उत्तर तैयार करें।
लेखक का संक्षिप्त परिचय (50 शब्द) लिखें।

2. पद्य (Poetry)

किसी एक कविता को याद करें और लिखें।
कविता का भावार्थ (100 शब्द) लिखें।
कविता में प्रयुक्त अलंकार और छंद पहचानें।

3. व्याकरण (Grammar)

निम्न विषयों पर अभ्यास करें:

संज्ञा, सर्वनाम, विशेषण - प्रत्येक के 5 उदाहरण
समास - 5 उदाहरण बनाकर उनके प्रकार बताएं
मुहावरे - 10 मुहावरे और उनके अर्थ व वाक्य
विलोम शब्द - 10
पर्यायवाची शब्द - 10

4. रचनात्मक लेखन (Creative Writing)

निबंध (200-250 शब्द)

विषय: "मेरा प्रिय त्योहार" या "पर्यावरण संरक्षण"

पत्र लेखन

अपने मित्र को छुट्टियों का अनुभव बताते हुए पत्र लिखें

अनुच्छेद लेखन (100 शब्द)

"समय का महत्व"

5. बोलने और प्रस्तुति कार्य (Activity)

किसी एक विषय पर 2 मिनट का भाषण तैयार करें

जैसे: "डिजिटल शिक्षा", "स्वच्छ भारत"

एक कहानी सुनाने की तैयारी करें

6. प्रोजेक्ट कार्य

विषय: "भारत के किसी महान लेखक का जीवन"

जैसे: मुंशी प्रेमचंद

इसमें शामिल करें:

जीवन परिचय

प्रमुख रचनाएँ

योगदान

चित्र (यदि संभव हो)

CHEMISTRY

Q-1 Make a 3D model of state of matter showing Solids, liquids and gases particles using clay or thermocol balls or any other materials.

Q-2 Draw a chart on any one of the topic- Fractional distillation, NEvaporation, Chromatography, Sublimation, Interconversion of state of matter.

Q-3 Convert the following temperature.

a. -78°C to K

b. 775 K to C

c. 489 K to C

d. 24°C to K

Q-4 In the following situations what is observed and which property of matter is being exhibited.

a. A diver is able to cut through water.

b. When tea leaves are added to boiling water.

c. Hammering a piece of iron nail.

d. When we place our finger under tap water.

e. When we put a few drops of red ink in water

f. When we add potassium permanganate crystal in water.

Q-5 Define the following terms:

a. Matter

b. Particle

c. Diffusion

d. Density

e. Evaporation

f. Sublimation

Q-6 Describe the properties of solids, liquids, and gases.

Q-7 Explain evaporation and factors affecting it.

Q- 8 Differentiate between evaporation and boiling.

PHYSICS

1-To demonstrate Newton's third law of motion with the help of balloons.

Material Required-Balloons, a string, a plastic strip, black tape etc.

2- Give examples showing applicability of the Newton's laws of motion in everyday life situations.

Make a project file for it.

BIOLOGY

1. Do you agree that "A cell is a building unit of an organism". If yes, explain why?

2. Why does the skin of your finger shrink when you wash clothes for a long time?

3. Why is endocytosis found in animals only?

4. A person takes concentrated solution of salt, after sometime, he starts vomiting.

What is the phenomenon responsible for such situation? Explain.

5. We eat food composed of all the nutrients like carbohydrates, proteins, fats, vitamins, minerals and water. After digestion, these are absorbed in the form of glucose, aminoacids, fatty acids, glycerol etc. What mechanisms are involved in absorption of digested food and water?

3.

SCIENCE

		<p>6. If you are provided with some vegetables to cook. You generally add salt into the vegetables during cooking process. After adding salt, vegetables release water. What mechanism is responsible for this?</p> <p>7. If cells of onion peel and RBC are separately kept in hypotonic solution, what among the following will take place? Explain the reason for your answer.</p> <p>(a) Both the cells will swell.</p> <p>(b) RBC will burst easily while cells of onion peel will resist the bursting to some extent.</p> <p>(c) a and b both are correct.</p> <p>(d) RBC and onion peel cells will behave similarly.</p> <p>8. How do substances like carbon dioxide (CO₂) and water (H₂O) move in and out of the cell?</p> <p>9. How does amoeba obtain its food?</p>
4.	SSC	<p><u>HISTORY</u> Create a, visual timeline of early Indian resistance movements against colonialism (18th-20th Century). Poster Making Topic: "Unity in Diversity" OR "Freedom Fighters of India" Draw and write a short slogan Short Biography Activity Write 5–6 lines on any one: Bhagat Singh Rani Lakshmbai Collect/paste 3–4 pictures of: Freedom fighters Write 1–2 lines about each</p> <p><u>GEOGRAPHY</u> Map Portfolio: On a map of India, mark the Tropic of Cancer, Standard Meridian, neighbouring countries, and states with capitals. Case Study: Write a 150-word report on how India's location in the Indian Ocean helps its trade. Diagrams: Draw and label the major physiographic divisions of India (Himalayas, Northern Plains, Peninsular Plateau, etc.).</p> <p><u>POLITICAL SCIENCE</u> Debate Preparation: Write arguments for and against the motion: "Democracy is the best form of government". Case Study: Research and write about a country that has transitioned from a non-democratic to a democratic government.</p>

		<p>Mini-Constitution: Create a "Mini-Constitution" of your classroom, listing 10 rules you believe are essential.</p> <p>ECONOMICS</p> <p>Village Survey: Conduct a survey of your locality (or a nearby village) and document: Types of farming, non-farming activities (like shops, transport), and employment opportunities.</p> <p>Case Study on Farming: Write a report on modern farming methods versus traditional methods in your locality.</p>
5.	MATHS	<p style="text-align: center;">Number System – Worksheet</p> <p>1. Express $0.6 + 0.7 + 0.47$ in the form p/q, where p and q are integers and $q \neq 0$.</p> <p>2. Simplify: $\frac{7\sqrt{3}}{\sqrt{10} + \sqrt{3}} - \frac{2\sqrt{5}}{\sqrt{6} + \sqrt{5}} - \frac{3\sqrt{2}}{\sqrt{15} + 3\sqrt{2}}$</p> <p>3. If $\sqrt{2} = 1.414$, $\sqrt{3} = 1.732$, then find the value of: $\frac{4}{3\sqrt{3} - 2\sqrt{2}} + \frac{3}{3\sqrt{3} + 2\sqrt{2}}$</p> <p>4. If $a = \frac{3 + \sqrt{5}}{2}$, then find the value of: $a^2 + 1/a^2$</p> <p>5. If $x = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$ and $y = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$, then find the value of: $x^2 + y^2$</p> <p>6. Simplify: $(256)^{-(-4^{-(-3/2)})}$</p> <p>7. Find the value of: $4/(216^{-2/3}) + 1/(256^{-3/4}) + 2/(243^{-1/5})$</p> <p>8. Construction of Square Root Spiral on Chart Paper.</p>
6.	ODIA	<p>୧. କାହାର ହସ ସୁନ୍ଦର ଓ ଭାଷା ସୁନ୍ଦର ?</p> <p>୨. ନୀଳ ବନଭୂମି ଉତ୍କଳ ଜନନୀଙ୍କ ଦେହରେ କିଭଳି ଶୋଭା ପାଉଛି ?</p> <p>୩. ଉତ୍କଳ ଜନନୀଙ୍କ ଶରୀରକୁ କିଏ ଧୋଇ ଦେଉଛି ?</p> <p>୪. ଉତ୍କଳ ଜନନୀଙ୍କର ସମୁଦ୍ର ତଟଦେଶ କେଉଁଥିରେ ସୁଶୋଭିତ ?</p> <p>୫. ଉତ୍କଳ ଜନନୀଙ୍କର ଚକ୍ଷୁ କେଉଁ ଆଲୋକରେ ଉଜ୍ଜ୍ୱଳ ?</p> <p>୬. କେଉଁମାନେ ସାରା ବିଶ୍ୱରେ ସ୍ନେହ ଭାଜନ ହୋଇଛନ୍ତି ?</p> <p>୭. କାନ୍ତକବି ଲକ୍ଷ୍ମୀକାନ୍ତ ମହାପାତ୍ରଙ୍କର ସଂକ୍ଷିପ୍ତ ପରିଚୟ ପ୍ରଦାନ କର ।</p> <p>୮. ‘ଜୀବନ’ ବିନା ‘ଝସ’ର ଅବସ୍ଥା କ’ଣ ହୁଏ ?</p> <p>୯. ଯଶୋଦା କୃଷ୍ଣଙ୍କ ଶରୀରରେ କ’ଣ ଲେପନ କରୁଥିଲେ ?</p> <p>୧୦. କୃଷ୍ଣଙ୍କୁ କେଉଁ କେଉଁ ଖାଦ୍ୟ ରୁଚେ ନାହିଁ ?</p> <p>୧୧. ସପ୍ତସଜ୍ଞ ସରଳାର୍ଥ ଲେଖ ।</p> <p style="text-align: center;">ପୁସ୍ତକସ୍ଥ ପ୍ରଶ୍ନ ନ. ୨୮ , ୨୯ ଓ ୩୦ ର ଉତ୍ତର ଲେଖି ଆଣିବ ।</p> <p>୧୨. ରଚନା ଲେଖ ।</p> <p style="text-align: center;">(କ) ଗ୍ରୀଷ୍ମଋତୁ (ଖ) ଶିକ୍ଷା ଓ ମନୁଷ୍ୟ ସମାଜ (ଗ) ଓଡ଼ିଶାର ପର୍ବ ପର୍ବାଣୀ</p>

	<p>୧୩. ତୁମ ଅଞ୍ଚଳରେ ପାଠାଗାର ନିର୍ମାଣ ପାଇଁ ସ୍ଥାନୀୟ ବିଡ଼ିଓଙ୍କ ନିକଟକୁ ଏକ ଦରଖାସ୍ତ ଲେଖ (ଔପଚାରିକ ପତ୍ର) ।</p> <p>୧୪. ଶିକ୍ଷାର ମହତ୍ତ୍ୱ ବିଷୟ ବର୍ଣ୍ଣନା କରି ଛାତ୍ରାବାସରେ ରହୁଥିବା ତୁମ ସାନଭାଇଙ୍କ ନିକଟକୁ ଏକ ପତ୍ର ଲେଖ (ଅନୌପଚାରିକ ପତ୍ର) ।</p> <p>୧୫. ଭାଷା ବିକାଶ :</p> <p>‘ କ ’ ରୁ ‘ ଣ ’ । ଓ ‘ ଝ ’ ରୁ ‘ ଭ ’ ପର୍ଯ୍ୟନ୍ତ ଯୁକ୍ତାକ୍ଷର ବ୍ୟବହାର କରି ଦୁଇଟି ଲେଖାଏଁ ଶବ୍ଦ ଲେଖି ଆଣିବ ।</p> <p>୧୬. ଓଡ଼ିଶାର ଦଶଜଣ ପ୍ରସିଦ୍ଧ ଓଡ଼ିଆ କବିଙ୍କର ନାମ ସହ ଚିତ୍ର ସଂଗ୍ରହ କରି ଆଣିବ ।</p>
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