



WORLD WAY INTERNATIONAL SCHOOL, BHOPAL

HOLIDAY HOMEWORK (2026-27)

GRADE 9

ENGLISH	Theme: Communicate, Analyse & Create  1. Speech, Debate & Discussion Speech Writing & Presentation: “Impact of Social Media” (150–200 words) Debate: “Online vs Offline Classes” (Prepare both for/against points) Group Discussion Report: “Time Management” (Write a brief report based on discussion points and conclusion)  2. Media & Communication Tasks  Short Film: Theme: Peer Pressure (2–4 minutes)  Documentary: “A Day Without Internet”	Language Development Word Bank Practice: Prepare examples of: Synonyms Homonyms Homophones Digital Vocabulary: List 10 commonly used social media acronyms (e.g., LOL, BRB, IMO) with meanings  4. Creative Writing & Expression  Storyboard Creation: Design a visual sequence for a story (6–8 frames)  Blog Writing: Write a blog on a topic of your choice (150–200 words)  Travelogue:	Performance Task Poetry Recitation: Recite a self-written poem (Can be recorded or performed in class)
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	 Podcast Recording: “Social Media – Boon or Bane” (2–3 minutes)  News Report Writing: Topic: Student Issues (Follow proper format)	Describe a place you visited or wish to visit  Formal Letter: Write a letter to the Editor of a Newspaper on a relevant issue  Idiom-Based Writing: Use 5 idioms in real-life situations (Explain the context and how you used them)  5. Critical Thinking & Language Application  Article Writing: “Fake News vs Real News” (Analysis-based)  Language in Advertising: Create: An Advertisement A Poster supporting a social cause A Notice for an upcoming event  Movie Analysis: Watch and analyse one English (Hollywood) movie (Focus on theme, message, and language use)	
MATHS	Create a drawing (pattern, rangoli, mandala, or geometric art).	1. Why do say that root 2 is irrational and root 4 is rational?	A village is represented on a co-ordinate plane:-

	Fill it with at least 10 different numbers (integers, fractions, decimals, irrationals). Task: Classify all numbers into: Natural Whole Integers Rational Irrational	Explain using examples. 2. Convert the following into decimals and classify: a) $\frac{3}{8}$ b) $\frac{7}{11}$ c) $\frac{5}{2}$ Task: Identify which are terminating and non-terminating recurring	House A(2,3) House B(-2,3) What type of symmetry do this point show ? Find the distance between A and B ? In which quadrants are they located?
HINDI	रचनात्मक एवं कला समेकित परियोजना कार्य- मिजोरम एवं नागालैंड का मध्य प्रदेश के साथ निम्नलिखित बिंदुओं पर तुलनात्मक अध्ययन पर पीपीटी प्रस्तुतीकरण (7 to 8 slide) - 1. लेखक एवं कवि 2. नृत्य एवं संगीत 3. त्योहार 4. वेशभूषा 5. कला कार्य	परिस्थिति आधारित कार्य - आपके विद्यालय में 'प्लास्टिक मुक्त अभियान' चलाया जा रहा है। इस अभियान में आपके योगदान पर एवं 'प्लास्टिक मुक्त भारत' पर लगभग 120 शब्दों में एक अनुच्छेद लिखिए। (नोट - A4 साइज पेपर पर करें)	तार्किक एवं तर्कशक्ति संबंधित कार्य - विद्यालय में पुस्तकालय का उचित उपयोग नहीं हो रहा है। अधिकांश विद्यार्थी मोबाइल और इंटरनेट पर अधिक निर्भर हो गए हैं, जिसके कारण उनकी पढ़ने की आदत कम होती जा रही है। इस स्थिति में सुधार लाने हेतु तर्कसंगत (logical reasoning) विचारों का उपयोग करते हुए विद्यार्थियों को पुस्तकालय की ओर आकर्षित करने के लिए एक आकर्षक विज्ञापन तैयार कीजिए। विज्ञापन में प्रभावशाली शीर्षक, संक्षिप्त संदेश तथा आकर्षक स्लोगन अवश्य शामिल करें।

	(नोट - पेन ड्राइव के माध्यम से प्रस्तुत करें)		(नोट - A4 साइज पेपर पर करें)
SANSKRIT	मिज़ोरम् नागालैण्ड च – ऐतिहासिकं भौगोलिकं च महत्त्वम् 1: दीर्घ-उत्तरम् उत्तरपुस्तिकायां लिखत 1. नागालैण्ड राज्यस्य ऐतिहासिकं महत्त्वं वर्णयत। कोहिमा-युद्धस्य उल्लेखं कुरुत। 2. मिज़ोरम् राज्यं "बांस-राजधानी" किमर्थं कथ्यते? व्याख्या कुरुत।	2: परियोजना-कार्यम् "भारतस्य उत्तर-पूर्वाञ्चलस्य संस्कृतिकं वैविध्यम्" इति शीर्षकेण 5 वाक्यानि संस्कृते लिखत। मिज़ोरम् नागालैण्ड च उदाहरणरूपेण उपयुज्यताम्।	3: तालिका कार्यम् : एक विस्तृत चार्ट बनाएं जिसमें शामिल हो: 1. भौगोलिक स्थिति – नक्शा 2. स्थापना वर्ष व इतिहास की 3 मुख्य तिथियाँ 3. 16 जनजातियों के नाम – नागालैण्ड, 3 मुख्य पर्व – मिज़ोरम् 4. एक संस्कृत श्लोक जो एकता दर्शाता हो निर्देश: - स्वेच्छापूर्वकं कलायाः प्रयोगं कृत्वा तालिकस्य सुन्दरं निर्माणं कुरुत। चित्राणि, वर्णाः, पारम्परिक-चिह्नानि च योजयित्वा तालिकां आकर्षकं कुरुत।
PHYSICS	PHYSICS - Please construct a miniature prototype and provide a comprehensive report detailing its development.(based on physics topic from textbook)	Kindly complete 30 numerical problems pertaining to the topics of light, specifically reflection and refraction, as covered in your physics textbook.	
CHEMISTRY	Question:- Many indigestion mixtures are suspensions full stop what do the instructions written on the bottle of an	Question:- There are three substances X, Y and Z. The substance X does not have a fixed melting point or boiling point and it still shows the	Question 1:- Explain what happens when a beam of light is passed through

	indigestion mixture tell us before taking the mixture, and why?	individual properties of its constituents. The substance Y has a fixed melting point and boiling point but it cannot be broken down into simple substances by any chemical means. The substance Z is also a pure substance whose properties are entirely different from those of its constituents. The substance Z can, however, be divided by electrolysis into two substances which belong to the same class of substances as Y. (A) What type of substance could X be? Name one substance like X. (B) What type of substance could Y be? Name one substance like Y. (C) What type of substance could Z be? Name and substance like Z. (D) Which process involves absorption or release of an appreciable amount of energy: formation of substance X or formation of substance Z? (E) Name the three groups into which all the substances like Y are divided on the basis of their properties.	a colloidal solution? Question 2- How would you prepare a saturated solution of sodium chloride in water 25 degree Celsius? What will happen if the solution is cooled to 10 degree Celsius?
BIOLOGY	1) Draw a labelled diagram of a cell. Question: Why is the nucleus called the “control	2) A student adds salt to cucumber slices and notices water droplets forming after some time. Question:	Why do unicellular organisms survive without specialized organs, while multicellular organisms cannot?

	center” of the cell? Support your answer with functions.	Which process is responsible for this? Explain what is happening at the cellular level.	Question: Explain using logical reasoning based on cell organization.
HISTORY	(Then vs Now – Creativity) ☞ Idea: Students should connect past wars like World War II with today’s conflicts like Iran–Israel ☞ What they should think: Earlier wars → weapons, alliances, global impact Today’s conflicts → technology, economy, media ☞ You can tell them: “Don’t write history facts, compare impact and nature”	many historical conflicts (like World War II), leaders had chances to avoid war but still chose conflict. ☞ Answer: Why do you think leaders sometimes choose war instead of peace? (any 2 reasons) Do you think war is always unavoidable? Why or why not? ☞ Write in 4–5 lines	During conflicts like World War II, people faced difficult choices. ☞ Answer: Which values are most important during such times? (e.g., courage, equality, humanity, peace) How can these values help in today’s world conflicts? ☞ Write in 4–5 lines
GEOGRAPHY	Create a flowchart/diagram showing how oil from the Middle East reaches different countries and affects daily life. ☞ Show: Oil source → Transport routes → Countries → Daily life	“Compare & Decide” ☞ Two countries: Country A depends on imported oil Country B uses renewable energy ☞ Question: Which country is more secure in times of conflict	The world depends on oil from regions like the Middle East. During conflicts, resources become limited. ☞ Answer: Which values should people follow while using limited resources? (e.g., conservation, responsibility) How can these values help reduce

	👉 Use keywords like: oil, transport, trade, prices 💡 Make it neat, colorful, and easy to understand	and why? 💡 Focus: comparison + reasoning	problems? 👉 Write in 4–5 lines
POLITICAL SCIENCE	Imagine petrol prices are rising due to global conflict between Iran and Israel. 👉 Write a short letter to the government: What problem are people facing? What action should the government take? 👉 Write in 5–6 lines	Government has limited budget and two options: Give subsidy to reduce petrol prices Invest in long-term solutions like public transport/electric vehicles 👉 Question: Which should be the priority and why? 👉 Write in 3–4 lines with reasoning	During situations like rising prices and crisis: What responsibilities should citizens follow? (any 2) How can responsible behavior help the country? 👉 Write in 4–5 lines
ECONOMICS	You will prepare a chart on “How Wars Affect the Economy and People’s Lives.” In this activity, you will explore how conflicts like the Russia-Ukraine War or the Israel-Gaza Conflict affect prices, jobs, and availability of goods. You should show economic effects such as rising fuel and food prices, shortage of resources, and disruption in trade. Also explain how these changes impact daily life, like higher cost of living and difficulty in getting basic needs. Try to connect your ideas with simple economic concepts like scarcity and demand and supply. Make your chart neat, colorful, and include real-life examples.	TO BE DONE IN A PROJECT FILE Due to rising tensions in the Iran–United States conflict, global oil supply routes have become uncertain. Since Iran is an important oil-exporting country, any disruption in trade affects fuel prices worldwide. As a result, transportation costs increase in many countries, including India. This situation has affected all three sectors of the economy. Farmers (primary sector) are paying more for diesel and fertilizers. Small manufacturing units (secondary sector) are facing higher production costs due to expensive raw materials and transport. Service providers like transport companies, shops, and online delivery businesses (tertiary sector) are also affected because customers are spending less due to rising prices. 1. Identify how each sector is affected: ○ Primary sector	TO BE DONE IN A PROJECT FILE In a village similar to Palampur, most families depend on farming as their main occupation. Some farmers use traditional tools and depend only on rainfall, while a few use modern methods like tube wells, tractors, and high-yielding seeds. These modern farmers produce more crops and earn higher income. However, small farmers often do not have enough land or money to invest in modern equipment. Some villagers have started working in non-farm activities such as dairy farming, shopkeeping, and transport services to increase their income. 1. What are the main economic activities seen in the village? Classify them into

		○ Secondary sector ○ Tertiary sector 2. Explain the chain of events: War → Oil supply disruption → Fuel price rise → Impact on economy 3. Why does a problem in oil supply affect all three sectors, even if they do not produce oil? 4. If transport costs increase, how will it affect the price of vegetables and daily goods? 5. Which sector is most dependent on fuel in this case? Give reasons. 6. How can the economy reduce the impact of such global conflicts on daily life?	primary and non-farm activities. 2. Why do farmers using modern methods earn more compared to traditional farmers? 3. What problems do small farmers face in increasing their production? 4. How do non-farm activities help improve the village economy? 5. Suggest two ways to improve income and productivity in such villages. 6. Do you think only farming is enough for a village economy? Justify your answer.
IT	Prepare a poster on “Tips to manage your stress”	List 5 personal strengths and 3 areas for improvement in yourself.	

ART-INTEGRATED TASK - ENGLISH

Task: “Visual Story Analysis (Not Just Drawing)”

Work to Do:

Create a detailed visual page using Nagaland-Mizoram tribal and folk lores

Your page MUST include:

- Story title
- 3 key scenes (drawn and labelled)
- Character symbols (use colours/shapes to represent traits)
- Borders inspired by tribal art

Written Integration (Important):

For each scene, write:

- What happened?
- Why is it important in the story?

NOTE - WRITING PRACTISE - Daily 1 page

WEEKLY COMPREHENSION PRACTISE - One unseen passage once in a week.

MATHS

1. Draw a cartesian plane (-10 to +10) with x- axis (Horizontal) and y-axis (Vertical)

2. Plot these points (Diamond Pattern)

*A(0,4) , *B(3,0) , * C(0,-4) , * D(-3,0)

Join A - B - C - D - A

3. Plot smaller diamond inside

*E (0,2) , *F(1.5,0) , *G(0,-2) , *H(-1.5,0)

Join E - F - G - H - E

4. Add Zig-Zag border (Plot and Join)

*(-6,5) , (-5,3) , (-4,5) , (-3,3) (-2,5)

Use Colours , Shade alternate sections, Highlight axes clearly.

ART INTEGRATED - chemistry

Mizoram and Nagaland are famous for their traditional bamboo crafts and smoked food preservation methods. Bamboo is a plant material mainly

made of cellulose, and smoke contains several chemical substances that help preserve food.

Create a colourful poster or infographic showing:

- A. The chemical composition of bamboo (cellulose) and why it is strong and useful.
- B. How smoking food acts as a method of food preservation using chemicals present in smoke.
- C. Compare these traditional methods with modern chemical preservation techniques.

Art integrated - biology

Using patterns inspired by Mizoram, create a decorative diagram of a cell (plant or animal).

Question:

Label the parts and explain how each organelle contributes to the functioning of the cell.

NOTE - Holiday homework hones the skills of creativity , giving them real life scenarios, undertake logical reasoning which helps students to express, relate & draw conclusions.