



**“Learn to Love: Lead to Serve”**  
**JUNIOR CITIZENS’ ACADEMY SECONDARY SCHOOL**  
(Affiliated to N.E.B)

**Vacation Assignment - Grade 4**

S.N.	Subject	Assignments
1.	English	1. Write a short poem about your favorite food of Dashain. 2. Draw and label five things you can see in Dashain. Write at least 5 sentences on it. 3. Write a letter to your friend in another country describing him \her how you celebrate Dashain\Tihar.
2.	Nepali	१.दर्शैँ तिहार बिदाका महाअष्टमी , महानवमी ,विजया दशमीका दिन तिमीले के के गर्यौ ? सबै कुरा समेटेर तीन दिनको दैनिकी लेख । २.शुभ- दिपावली पर्वमा बनाईने सेल रोटी , भाइ मसला आदि मिठाइ र खानेकुरा कसरी बनाइने गरिन्छ? कुनै एक खानेकुरा कसरी बनाईन्छ? के के चिज हाल्नु पर्दो रहेछ ? कुन कुन चिज घरमै पाईंदो रहेछ? कुन बजारबाट ल्याउनु पर्दो रहेछ? कति खर्च लाग्दो रहेछ? सबै समेटेर लेख ।
3.	Mathematics	1. Write multiplication table of 2 to 20. 2. With the help of your parents make 5 questions each of addition, subtraction, multiplication and division and solve them. 3. Select any 5 word problems from your book and solve them. 4. Make picture of cone, cuboid, cube, pyramid and write faces and vertex.
4.	Science & technology	1. Make weather chart of 1 week from 20 <sup>th</sup> Asoj to 27 <sup>th</sup> Asoj. Keep Maximum temperature, minimum temperature, rainfall, sunny weather, rainyetc. You can check weather app from your parents mobile. 2. Draw well labelled diagram of life cycle of butterfly and colour them. 3. Which is your favourite scientist? Why do you like him? Write a biography of the scientist in 100 words with drawing also.
5.	Social Studies	१.तिहारमा गाइने देउसी भैलो भट्ट्याउने कुनै एउटा गीत लेख्नुहोस् । २.हजुर बुवा हजुर आमा वा अरूलाई सोधेर उहिले चाड पर्व कसरी मनाइन्थ्यो र अहिले कसरी मनाईन्छ फरक लेख्नुहोस् । ३.तिमीलाई मन पर्ने चाड कुन हो? त्यो चाडको बारेमा लेख ।
6.	HPCA	1. Make one geeting card to wish in Dashain and Tihar festival. 2. Draw a poster showing "Healthy Daily Routine" (waking up early, brushing teeth, eating healthy food, playing, studying, sleeping on time).
7.	Computer Science	1. With the help of your parents make one beautiful video of celebration of festivals and send them in school messenger group.



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**Vacation assignment – Class 5**

S.N.	Subject	Assignments
1.	English	1. Describer how your village town looks during Tihar night. Use at least five adjectives. 2. Make a list of five blessings you would give to your brother/sister on tika day. 3. Write a short postcard message to your friend telling him/her why you like Dashain\ Tihar the most.
2.	Nepali	१. दशैं तिहार बिदाका लक्ष्मी पूजा , गाई पुजा तथा भाइ टिकाका दिन तिमीले के के गर्यौ ? सबै कुरा समेटेर तीन दिनको दैनिकी लेख । २. विजयादशमीको पर्वमा बनाईने मिठाइ र खानेकुरा कसरी बनाइने गरिन्छ? कुनै एक खानेकुरा कसरी बनाईन्छ? के के चिज हाल्नु पर्दो रहेछ ? कुन कुन चिज घरमै पाईदो रहेछ? कुन बजारबाट ल्याउनु पर्दो रहेछ? कति खर्च लागो रहेछ? सबै समेटेर लेख ।
3.	Mathematics	1. Write multiplication table of 10 to 20. 2. With the help of Protractor draw 30°, 60°, 45°, 90°, 120°. 3. Draw any 5 acute angle, any 5 obtuse angle, 1 right angle and one straight angle. 4. Make a list of monthly income and expenditure of your family during the month of Asoj. 5. Make any 5 word problems and solve them. 6. Make any 10 decimal questions and convert them into fractions. 7. Solve any 10 questions of multiplication and division
4.	Science & technology	1. Collect any 25 MCQs questions related to earth and solar system and circle the correct answer. 2. Draw a chart of solar system and colour different heavenly bodies. 3. Prepare a speech of 150 words about causes of noise pollution in my locality and ways to prevent hem.
5.	Social Studies	१. दशैंमा गाइने कुनै एउटा गीत लेख्नुहोस् । २. हजुर बुवा हजुर आमा वा अरूलाई सोधेर उहिले चाड पर्व कसरी मनाइन्थ्यो र अहिले कसरी मनाईन्छ फरक लेख्नुहोस् । ३. तिमीलाई मन पर्ने चाड कुन हो? त्यो चाडको बारेमा लेख ।
6.	HPCA	1. Write a short reflective essay (1 page) on "How I Help My Family During Festivals". 2. List 10 ways to maintain personal hygiene during festivals.
7.	Computer Science	2. With the help of your parents make one beautiful video of celebration of festivals and send them in school messenger group.



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**Vacation assignment- class 6**

S.N.	Subject	Assignments
1.	English	1.Festivals bring happiness and togetherness. Explain it. 2. Write a diary entry: My most memorable Dashain/Tihar. 3. Write a letter to your friend describing him \her about your Dashain \Tihar vacation.
2.	Nepali	१ .तल दिइएका शीर्षकमा निबन्ध लेखी आकर्षक निबन्ध सङ्ग्रह तयार पार्नुहोस् : दर्शन , बाल अधिकार , स्वदेशप्रति मेरो कर्तव्य , मलाई मनपर्ने ठाउँ , मोबाइलको प्रयोग: चुनौती र अवसर
3.	Mathematics	1. Collect the different types of money (notes) which you will receive from your parents or relatives in Dashain. Make a frequency table and present it. 2. What was the amount of money you collected during Dashain and Tihar? Present your amount in a Bar diagram and calculate the percentage of money you invested and the percentage of money you saved? 3. Assuming the cost of "Bhai Masala" is Rs. 100. Distribute the price for different ingredients. Express the price of each ingredient in fraction and percentage.
4.	Science & technology	1.Make one model of electric circuit using cartoon paper, wires, switches, micro bulbs, battery etc. 2.Prepare a model of pinhole camera.
5.	Social Studies	१. तपाईंलाई मन पर्ने कुनै एक राष्ट्रिय विभूतिको बारेमा जीवनी तयार गर्नुहोस् । २. नेपाली चाड पर्वले के कस्तो सद्भाव बढाउन मद्दत पुर्याउने गरेका छन् ? एक अनुच्छेदमा लेख्नुहोस् ।
6.	HPCA	1. Prepare a mind-map or essay on "Good Habits that Make Me a Responsible Student". 2. Make a chart of common communicable & non-communicable diseases and write 2 preventive measures for each.
7.	Computer Science	3. With the help of your parents make one beautiful video Practice of yoga or physical exercise daily during the holiday, and record at least 7 sessions make 3-minute video and send them in school messenger group.



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**Vacation assignment- class 7**

S.N.	Subject	Assignments
1.	English	1. Prepare a chart showing the list of your family members in a family tree. (At least 3 generations). Explain about it in 250-300 words. 2. Read any one famous book and write a book review based on the following: English a. How did the book make you feel? b. Would you recommend this book to someone? c. Who is your best character? Why? d. Summarize the book in about 200 words. Prepare a beautiful cover page for the book.
2.	Nepali	तल दिइएका शिर्षकमा आकर्षक निबन्ध तयार गर्नुहोस् : बाल अधिकार , स्वदेश प्रति मेरो कर्तव्य , पुस्तक मेरो साथी , पर्यटनको महत्व
3.	Mathematics	1. Keep a math journal during your vacation. You can record everyday activities that involve math, such as measuring ingredients for recipes, calculating distances traveled, or budgeting for expenses. Write about the math you encounter and reflect on its real-world applications. 2. What was the amount of money you collected during Dashain and Tihar? Present your amount in a Bar diagram and calculate the percentage of money you invested and the percentage of money you saved?
4.	Science & technology	1.Prepare an atomic model of 20 elements in a black chart paper. 2.Make model of periscope
5.	Social Studies	१. चार्ट पेपरमा नेपालको नक्सा बनाएर दसैं बिदामा घुम्न गएका ठाउँहरू सङ्केतका आधारमा देखाउनुहोस् ।
6.	HPCA	1. Make attractive well labeled 3D models of <b>any one</b> the following: a. Digestive System b. Respiratory System c. Human Heart
7.	Computer Science	4. With the help of your parents make one beautiful video Practice of yoga or physical exercise daily during the holiday, and record at least 7 sessions make 3-minute video and send them in school messenger group.



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**Vacation Assignment- Class 8**

S.N.	Subject	Assignments
1.	English	1. Read any English Novel of your interest and write the summary of the story. 2. Prepare a booklet on 'Dashain' with picture. 3. Write essays on the following topics: a. The problem of Pollution in Kathmandu b. My most favourite subject 4. Write a letter to your pen-friend describing the festival 'Dashain'.
2.	Nepali	१. सांस्कृतिक पर्व तिहाको महत्व समेटी निम्न लिखित शीर्षकका आधारमा प्रतिवेदन तयार पार्नुहोस् विषयवस्तु, अनुसन्धान विधि पत्ता लागेका कुरा, निष्कर्ष र सुझाव ! २. जम्मा सात पृष्ठ हस्तलेखन गर्नुहोस् । दैनिक एक पृष्ठ मात्र लेखी मिति उल्लेख गर्नुपर्ने छ।हस्तलेखन गर्दा केरमेट गरिएको हुनुहुँदैन ।आफ्नै कक्षाको नेपाली विषयको पाठ्यपुस्तकबाट पाठ छनोट गर्नुपर्ने छ । ३. भूत काल, वर्तमान काल र भविष्यत् कालका सबै पक्षका ५ /५ वाक्य लेख्नुहोस् । ४..सामान्यार्थक, इच्छार्थक, आज्ञार्थक र सम्भावनार्थक क्रियाका ५ ५/ओटा वाक्य बनाउनुहोस्।
3.	Mathematics	2. From the set book of Readmore Publication, questions of taught topics in first term. Sets all, Arithmetics (Real Number System), Algebra (Indices, Algebraic Fractions; Factorization by Grouping terms; Factorization of difference of two Squares; Factorization of Trinomial), Geometry (Lines and angles)
4.	Science & technology	Solve all group D questions of Scientific learning, Living beings/organism and their structure, Force and motion, Energy in daily life, Nature and Environment.
5.	Social Studies	१. आफ्नो प्रदेशको नक्सा आधा चार्ट पेपरमा बनाउनुहोस् र उक्त नक्सामा उपर्युक्त सङ्केतको प्रयोग गरी प्रमुख हिमाल, नदी, ताल, राष्ट्रिय निकुञ्ज/संरक्षण क्षेत्र, धार्मिक स्थल, सहर, औद्योगिक क्षेत्र र मुख्य उत्पादन क्षेत्र देखाउनुहोस् । २. आफ्नो देशको नक्सा आधा चार्ट पेपरमा बनाउनुहोस् र उक्त नक्सामा उपर्युक्त सङ्केतको प्रयोग गरी प्रमुख हिमाल, नदी, ताल, राष्ट्रिय निकुञ्ज/संरक्षण क्षेत्र, धार्मिक स्थल, सहर, औद्योगिक क्षेत्र र मुख्य उत्पादन क्षेत्र देखाउनुहोस् ।
6.	HPCA	1. Collect and paste the pictures of different nutrients (carbohydrate, protein, fat, minerals, vitamins) and write about it in A4 paper. (Sources, Functions, etc.) 2. Prepare a model of human brain in A4 paper using suitable materials (cotton, grains, paper etc.)
7.	Computer Science	1. Write any 10 QBASIC programs using IF..... THEN (5 questions) and FOR..... NEXT Statements (5 questions each). 2. Write any 10 full forms from the book.
8.	Pokhara ko Serofero	1. तपाईंको कुनै एक नातेदार पहिलो पटक तपाईंको घर आउँदै हुनुहुन्छ। सार्वजनिक यातायातका साधनहरू प्रयोग गरेर उहाँ कसरी तपाईंको घरसम्म पुग्न सक्नुहुन्छ स्पष्ट मार्गनिर्देशन गर्नुहोस् । 2. पोखरामा पर्यटनका थप विकास सम्बन्धी धेरै सम्भावनाहरू भएता पनि चुनौतीहरू पनि त्यतिकै छन् । तिनीहरूका बारेमा आफ्ना साथीहरूसँग छलफल गर्नुहोस् र पोखरामा पर्यटन विकासमा देखिएका चुनौती शीर्षकमा निबन्ध लेख्नुहोस् ।



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**Vacation Assignment- class 9**

S.N.	Subject	Assignments
1.	English	2. Write a sample of each of the following: a. Interpretation of Charts, tables, graphs b. Cooking recipe c. Rules and regulations d. Advertisement e. Dialogue f. Formal (official letter) g. A news report
2.	Nepali	१. निर्देशानुसार निम्नलिखित प्रश्नका उत्तर सफा अक्षरमा लेख्नुहोस् : क) तल दिइएका कुनै एक शीर्षकमा २०० शब्दमा नघटाई निबन्ध रचना गर्नुहोस् । अ) सकारात्मक सोच आ) विज्ञान र प्रविधि इ) वातावरण संरक्षण २. तिहारका दिनहरूको अनुभव समेटेटी पाँच दिनको दैनिकी लेख्नुहोस् । ३. व्याकरण पुस्तकभित्रका शब्दनिर्माण प्रक्रियाका सबै उदाहरणहरू उत्तरपुस्तिकामा सार्नुहोस् । ४. जम्मा सात पृष्ठ हस्तलेखन गर्नुहोस् । हस्तलेखन सफा र शुद्ध हुनुपर्ने छ । दैनिक एक पृष्ठ मात्र लेखी मिति उल्लेख गर्नुपर्ने छ । हस्तलेखन गर्दा केरमेट गरिएको हुनुहुदैन । आफ्नै कक्षाको नेपाली विषयको पाठ्यपुस्तकबाट पाठ छनोट गर्नुपर्ने छ ।
3.	Mathematics	<b>Project work-1</b> Write the mobile number of any two of your family members. Represent the set of digits used in mobile number of one of the members by A and other by B. For example: $A = \{\text{digits of the mobile number } 9861342559\} = \{9, 8, 6, 1, 3, 4, 5\}$ $B = \{\text{digits of the mobile number } 9818315993\} = \{9, 8, 1, 3, 5\}$ Find the following: a. List the elements of set A and B. b. Consider the universal set $U = \{0, 1, 2, \dots, 9\}$ and show the relation of sets U, A and B in a venn diagram. c. Verify that: i. $A \cup (A \cap B) = A$ ii. $A - (A \cap B) = (A \cap B) - B$ iii. $A \cup (B - A) = B$ iv. $(A \cup B) - (A \cap B) = (A - B) \cup (B - A)$ v. $\overline{(A \cap B)} = \overline{A} \cup \overline{B}$ vi. $\overline{(A \cup B)} = \overline{A} \cap \overline{B}$ d. Find the cardinality number of set A-B, AAB, (AUB) and (A ∩ B). <b>Project work-2</b> Ask to any two members of your parents regarding the following details. Monthly basic salary, Festival expenses, Dearness allowance, Clothing allowances Provident fund, Citizen investment trust, Life insurance Find the following. a. Total annual income b. Tax rebate income c. Taxable income d. Annual tax amount <b>Project work-3</b> Measure the length, breadth and height of any two room of your home. Also measure the dimensions of the door and windows of the rooms. Dimensions of the room: L=?, B=?, H=? Dimensions of the door: L=?, H=? Dimensions of the window: L=?, H=?



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		<p>Calculate:</p> <p>a. The area of floor of the room    b. The area of ceiling of the room</p> <p>c. The area of four walls of the room    d. The area of four walls and ceiling of the room</p> <p>e. Estimate the cost of plastering the walls and ceiling of each room at the rate of locality.</p> <p><b>Project work-4</b></p> <p>Ask and list out the age of your relatives and guests who come to your home to take tika in Dashain.</p> <p>a. Construct a frequency table of class size 10.</p> <p>b. Calculate:</p> <p>i. the average age    ii. the median age</p> <p>iii. The modal age</p>
4.	Science & technology	<p>1. Draw Lab preparation and diagram of apparatus set-up of</p> <p>a. Hydrogen    b. Oxygen    c. Nitrogen</p> <p>2. Draw Life cycle chart of Mushroom.</p> <p>3. Collect any 50 word equations and change them into balanced chemical equations.</p> <p>4. Collect any 10 numericals from force and motion, simple machine and solve them.</p>
5.	Social Studies	<p>१. एउटा आधा चार्टपेपरमा नेपाली वास्तुकला अन्तर्गत प्यागोडा शैली, स्तुपा शैली र शिखर शैलीका मन्दिरहरूको चित्र बनाई तिनीहरूका प्रमुख विशेषताहरू उल्लेख गर्नुहोस् ।</p> <p>२. नेपालको संविधान २०७२ का सबै मौलिक हकहरू धारा सहित उल्लेख गर्नुहोस् ।</p> <p>३. मानव विकासका चरणहरू समेटेर एउटा इन्फोग्राफिक्स तयार गर्नुहोस् !</p> <p>४. दशैं विदामा घुम्न गएको ठाउँको वर्णन गरेर यात्रा प्रतिवेदन तयार गर्नुहोस् ।</p>
6.	Optional Mathematics	<p>1. Make a booklet of all formulae that you have learned in Coordinate Geometry, Trigonometry, and Statistics.</p> <p>2. Solve the question paper of Second Term Exam 2082 and prepare a complete answer-sheet</p>
7.	Computer Science	<p>1. Write any 5 QBASIC programs using FOR...NEXT Loop and 5 QBASIC programs IF... THEN statement.</p> <p>2. Write all the full forms from Chapter 3, 4 and 5.</p>
8.	Environment Science	<p>3. Solve the second term question in separate answersheet.</p>





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**Vacation Homework – Class 10**

S.N.	Subject	Assignments
	English	1. Read a novel and write a review. 2. Write a sample of each of the following: a. Interpretation of Charts, tables, graphs b. Cooking recipe c. Rules and regulations d. Advertisement e. Dialogue f. Formal (official letter) g. A news report h. Write an argumentative essay on 'Death penalty'.
2.	Nepali	१. कक्षा १० को व्याकरण पुस्तकभित्रका उपसर्ग, प्रत्यय र समासका उदाहरणहरू हुबहु उत्तरपुस्तिकामा सार्नुहोस् र बुझेर पढ्नुहोस् । २. 'बौद्धिक पलायन' शीर्षकमा २०० शब्दमा नघटाई निबन्ध रचना गर्नुहोस् । ३. जम्मा सात पृष्ठ हस्तलेखन गर्नुहोस् ।हस्तलेखन सफा र शुद्ध हुनुपर्ने छ ।दैनिक एक पृष्ठ मात्र लेखी मिति उल्लेख गर्नुपर्ने छ ।हस्तलेखन गर्दा केरमेट गरिएको हुनुहुदैन ।आफ्नै कक्षाको नेपाली विषयको पाठ्यपुस्तकबाट पाठ छनोट गर्नुपर्ने छ । ४. दोस्रो त्रैमासिक परीक्षा २०८२ को प्रश्नपत्रका सम्पूर्ण उत्तरहरू सफासँग लेखी आकर्षक नमुना उत्तर- पुस्तिका तयार पार्नुहोस् ।
3.	Mathematics	<b>1. Project work-1</b> Ask at least 20 relatives weather they ate meat or swung the swing in Dashain or not. Represent the set of relatives who ate meat by M and the set of relatives who swung swing by S and answer the following questions. a. Write the cardinalities of sets of relatives who participated in the survey, $n(U)=$ . Ate meat, $n(M)=$ . Ate meat and swung the swing both, $n(M \cap S)=$ ..... Did not eat meat and swing the swings, $n(\overline{M \cup S})=$ ..... b. Show the above data you obtained in a venn diagram. c. Find the number of relatives who i. Ate either meat or swung the swing both. ii. Ate neither meat nor swung the swing both. iii. Ate meat only and swung the swing only. d. Find the ratio of number of relatives i. Who ate meat and swung the swings. ii. Who ate meat only and swung swing only. iii. Who like only one and liked only two. iv. Who like at least one and at most one. <b>2. Project work-2</b> Make a birthday hat using a chart paper or buy it from shop. Measure the various parts and calculate the following. a. Circumference of the base b. Radius of conical hat (r) c. Slant height of the hat (l) d. Vertical height of the hat (h) e. Volume of the hat (v)





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		<p>f. Curved surface area (C.S.A) of the hat</p> <p>g. Is it possible to find T.S.A or not. Explain with reason?</p> <p><b>3. Project work-3</b></p> <p>Collect the ages of family members of your 15 friends.</p> <p>Display the weights in a frequency distribution table of class of length 10</p> <p>Calculate:</p> <p>a. The average value</p> <p>b. The median weight</p> <p>c. The modal weight</p> <p>d. Compare, mean, median and mode</p> <p><b>4. Practice questions:</b> on all the chapters of questions from set book sets SEE 2081 all provinces.</p>
4.	Science & technology	Solve all the group D questions from Force, Pressure, Heat and Wave from SEE Practice book.
5.	Social Studies	<p>१. तपाईंले विभिन्न ऐतिहासिक, धार्मिक वा सांस्कृतिक महत्त्वका ठाउँहरूको भ्रमण गर्नुभएको होला । तपाईंको भ्रमणको आधारमा निम्न उपशीर्षकहरूमा आधारित रहेर कुनै एक ठाउँका प्रतिवेदन तयार गर्नुहोस् । (परिचय, उद्देश्य, विधि, पत्ता लागेका कुरा, निष्कर्ष र सुझावहरू)</p> <p>२. विश्वमा पाइने हावापानीको सूची बनाई प्रत्येकको अक्षांश, अवस्थिति, जनावर र वनस्पति, सामाजिक जीवन र मुख्य विशेषताहरू उल्लेख गरी तालिकामा प्रस्तुत गर्नुहोस् ।</p> <p>३. SEE -२०८१ का अहिलेसम्म पढेका पाठका कुनै १० लामा प्रश्नका उत्तर सेट बुकबाट लेख्नुहोस् ।</p>
6.	Optional Mathematics	<p>1. Solve questions of Set book specially group D SEE 2081, 2082 and PABSON Practice Examianation.</p> <p>2. Make a booklet of all formulae that you have learned in class 10.</p>
7.	Computer Science	<p>1. Re-write any five modular programs of function and sub procedure.</p> <p>2. Re-write any 5 C programs.</p> <p>3. Write any 5 programs from file handling (2 programs using Output Mode append and 3 from Input Mode.</p>
8.	Environment Science	4. Solve the second term question in separate answersheet.