Green Valley Public School
Barnala Road, Badhni Kalan (MOGA)

"Success begins with hard work; Happiness begins with good health." Dr. T.P. Chia

Dear Parent,

Every child is naturally curious and eager to learn. It's our duty to nurture this through joyful and engaging experiences. Summer Vacation is a time to relax and enjoy, while also exploring fun and educational activities. Let this break be filled with creativity, connection, and cherished moments with your child.

General Guidelines

We are sharing a few tips to help make the summer vacation a happy and productive time for your child. Holiday homework is designed as worksheets and projects to keep students connected to learning in a fun and engaging way. Encourage your child to focus on tasks for at least 30 minutes daily.

Guidelines:

1. Guide your child while they work.
2. Revise concepts learned in class.
3. Spend quality time together.
4. Limit screen time with a set routine.
5. Avoid junk food like chocolates, chips, soft drinks, etc.
6. Give small tasks to build responsibility and confidence.
7. Submit work with name, class, and section by **5th July 2025**.
8. Ensure homework is neat and presentable.
9. Parents must submit a short note on how their child spent the vacation.
10. Best holiday homework will be awarded.
11. Ensure your name, class, and subject is clearly written on each file.
12. Late submissions may not be accepted or could result in marks deduction.

Note:

- Classes 1 & 2 will use a mixed notebook.
- Classes 6 to 12 will complete work on assignment sheets.
- Homework must be done by the student with parental support.

Vacation Dates: 2nd June to 2nd July 2025
School Reopens: 3rd July 2025

Regards,
Green Valley Public School

HOLIDAY'S HOMEWORK FOR CLASS 9ᵀᴴ

SUBJECT	Homework
ENGLISH	♦ **Assignment:** Read English Newspaper daily and Write 5 words every day an make a small dictionary. ♦ **What do you love most about the English language? (Answer in about 100 words)** ▪ It could be a specific part of the subject like prose, poetry, drama, or grammar. ▪ Describe why you enjoy it and how it connects with you personally. ♦ **Worksheet** ▪ Solve & Write the Reading Passage (Page No:- 3-4) ▪ Solve & Write the Descriptive Paragraph (Page No:- 7-10)
MATHEMATICS	♦ **Assignment**: Make an assignment on real Numbers. ♦ **Solve** the following questions in your notebook.

1. Represent $\sqrt{13}$ on Number line.

2. Find a & b for $\frac{5+2\sqrt{3}}{7+4\sqrt{3}}$ = a-b$\sqrt{3}$

3. Multiply $6\sqrt{5}$ by $2\sqrt{5}$

4. Divide $4\sqrt{12}$ by $4\sqrt{3}$

5. Prove that
$$\frac{a^{-1}}{a^{-1}+b^{-1}} + \frac{a^{-1}}{a^{-1}-b^{-1}} = \frac{2b^2}{b^2-a^2}$$

6. If x= 1-$\sqrt{2}$ find the value of $\left(x-\frac{1}{x}\right)^3$

7. If x= $\frac{1}{2-\sqrt{3}}$ find the value of x^3-2x^2-7x+5

8. Show that $(x^{a-b})^{a+b} \cdot (x^{b-c})^{b+c} \cdot (x^{c-a})^{c+a}=1$

9. Prove that $\frac{2^{30}+2^{29}+2^{28}}{2^{31}+2^{30}-2^{29}}=\frac{7}{10}$

10. Prove that $\frac{1}{1+x^{a-b}}+\frac{1}{1+x^{b-a}}=1$

11. Show that $\sqrt{a^{-1}b}\,\sqrt{b^{-1}c}\,\sqrt{c^{-1}a}=1$

12. Solve $\dfrac{(25)^{3/2} \times (243)^{2/5}}{(16)^{5/4} \times (8)^{4/3}}$

13. Find the value of $\frac{1}{2}\sqrt{486}-\sqrt{\frac{27}{2}}$

14. Simplify: $\frac{9^{1/3} \times 27^{-1/2}}{3^{1/6} \times 3^{-2/3}}$

15. Simplify: $(1^3+2^3+3^3)^{1/2}$

16. Simplify: $\frac{186\times186\times186+14\times14\times14}{186\times186-186\times14+14\times14}$

17. Factorise $a^3+3a^2b+3ab^2+b^3-8$

18. Factorise: $64x^3+125y^3$

19. Factorise: $8x^3-(2x-y)^3$

	20. Factorise: $(x+1)^3-(x-1)^3$
	21. Factorise: $(x-\frac{2}{3}y)^3 - (x+\frac{2}{3})^3$
	22. If $a+b+c= 12$, $a^2+b^2+c^2=90$ then find $a^3+b^3+c^3-3abc$
	23. Factorise: $8x^3-125y^3+180xy^3+216$
	24. Find the positive square root of $2a^2+2\sqrt{6}ab+3b^2$
	25. Evaluate 103×97
	26. Evaluate $185\times 185\text{-}115\times115$
	27. Factorise: $4x^2+4xy+y^2$
	28. Expand: $(3a+4b+5c)^2$
	29. Factorise: $\frac{25}{4}x^2-\frac{y^2}{9}$
	30. Expand: $(-\frac{1}{2}a-\frac{1}{2}b +1)^2$
	➕ **Reference Book (Ashoka)** ▪ Solve the Practice Questions (Page No:- 1/18 , 1/21 & 2/13) ▪ Solve the Case Study Questions (Page No: 1/30 & 1/31)
SCIENCE	➕ **Biology**: Prepare a colour book of different cell organelles. ➕ **Reference Book (Ashoka)** ▪ Solve Chapter Practice Test (Page No:- 1/45) ➕ **Chemistry:**1. Enlist the different states of matter on chart with diagram and properties. 2. Write and learn first 30 elements (name and symbols) of the periodic table. ➕ **Reference Book (Ashoka)** ▪ Solve Chapter Practice Test (Page No:- 1/47) ➕**Physics:** Give examples showing applicability of the Different Types of motion in everyday life situations. Make a project file for it. ➕ **Reference Book (Ashoka)** ▪ Do Examination Questions for Practice (Solved) 1-15 Page No. 1/44 & 1/45

SOCIAL SCIENCE	➕ **Prepare a chart on**:-
	▪ Fundamental Rights.
	    a) Right to Equality
	    b) Right to Freedom
	    c) Right Against Exploitation
	    d) Cultural and Educational Right
	    e) Right to Freedom of Religion
	    f) Right to Constitutional Remedies
	➕ **Assignment**-Find out the detail of physical features of our state Punjab.
	    a) Longitudinal and latitudinal extent
	    b) Area
	    c) Capital
	    d) District
	    e) Rivers
	    f) Climates
	    g) Language

IT	➕ Prepare an Assignment and cover the following topics:- ▪ What do you mean by the term Communication? List the features of effective communication. ▪ Describe any two communication barriers. ▪ Describe the communication cycle with a simple example. ▪ How many types of Feedback in communication skills? What are the good feedbacks in communication skills? ▪ What are the advantages and disadvantages of verbal communication? ▪ Differentiate between Interests and Abilities. ▪ What are the different practices of self-management skills? ▪ Write Self – management skills strengths and weaknesses? ▪ Discuss the importance of entrepreneurship. ▪ Explain characteristics or qualities of an entrepreneur. ▪
PUNJABI	1. ਗਰਮੀ ਦੀਆਂ ਛੁੱਟੀਆਂ ਵਿੱਚ ਤੁਸੀਂ ਕੁੱਝ ਨਵਾਂ ਤਜਰਬਾ ਕੀਤਾ ਜਾਂ ਕਿਤੇ ਘੁੰਮਣ ਲਈ ਗਏ ਉਸ ਸਥਾਨ ਬਾਰੇ ਅਤੇ ਤੁਹਾਡਾ ਕੀ ਤਜਰਬਾ ਰਿਹਾ ਬਾਰੇ ਆਪਣੇ ਵਿਚਾਰ ਲਿਖੋ ਜਾਂ ਇੱਕ ਭਾਸ਼ਣ ਤਿਆਰ ਕਰੋ । 2. ਪੱਤਰ ਰਚਨਾ :- ਆਪਣੇ ਅਧਿਆਪਕ ਨੂੰ ਇੱਕ ਪੱਤਰ ਲਿਖੋ ਕਿ ਤੁਸੀਂ ਦੱਸਵੀਂ ਦੀ ਪ੍ਰੀਖਿਆ ਤੋਂ ਪਾਸ ਹੋਣ ਬਾਅਦ ਤੁਹਾਨੂੰ ਕਿਹੜਾ ਕੋਰਸ ਚੁਣਨਾ ਚਾਹੀਦਾ ਹੈ ਸਾਰੇ ਪ੍ਰਾਪਤ ਅੰਕਾਂ ਦਾ ਵੇਰਵਾ ਦੇ ਕੇ ਅਧਿਆਪਕ ਦੀ ਸਲਾਹ ਮੰਗੋ ਅਤੇ ਤੁਸੀਂ ਕੀ ਕਰਨਾ ਚਾਹੁੰਦੇ ਹੋ ਆਪਣੇ ਜੀਵਨ ਦਾ ਉਦੇਸ਼ ਦੱਸਦੇ ਹੋਏ ਪੱਤਰ ਲਿਖੋ। 3 " ਬੇਟੀ ਬਚਾਓ " ਸਿਰਲੇਖ ਅਧੀਨ ਇੱਕ ਸਲੋਗਨ ਤਿਆਰ ਕਰੋ । 4. ਕੰਮ -ਸੌਂਪਣੀ / Assignment :- ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ ਜਿਵੇਂ ਦਾਜ, ਭਰੂਣ -ਹੱਤਿਆ , ਨਸ਼ੇ , ਰਿਸ਼ਵਤਖੋਰੀ' ਭ੍ਰਿਸ਼ਟਾਚਾਰ , ਚੋਰੀਆਂ , ਵੱਧ ਰਹੀ ਮਾਰਧਾੜ , ਭੁੱਖਮਰੀ, ਬੇਰੁਜ਼ਗਾਰੀ ਆਦਿ ਵਿਸ਼ੇ ਦੇ ਉੱਪਰ ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਤਸਵੀਰਾਂ ਸਾਹਿਤ ਕੰਮ ਸੌਂਪਣੀ ਤਿਆਰ ਕਰੋ
PHYSICAL EDUCATION	➕ **Mainstreaming Health and Physical Education** ▪ **Topic – Choose Any Game From Your Syllabus** ▪ **Instructions** Also write the history and introduction of the game. Latest rules of the game. Fundamental skills of the game. Major tournaments and awards of the game.
SEWA PROJECT	Dear Students, As part of your **SEWA (Social Empowerment through Work Education and Action)** initiative, please choose one of the following community service activities and perform it sincerely. **Prepare a proper written assignment based on the activity**, and don't forget to **click a picture** while doing it and **share it** with your **Class Incharge at WhatsApp number: _____.** **Choose any ONE:** 1. **Clean-Up Drive** – Help clean a Gurudwara Sahib, Mandir, Park, or Playground. 2. **Plant a Tree or Garden** – Take part in planting trees or maintaining a garden. 3. **Thank You Cards** – Make appreciation cards for school staff or community workers (e.g., police, firefighters). 4. **Donation Drive** – Collect and donate old clothes, books, or toys to those in need. 5. **Water Bowl for Birds** – Place and refill water bowls for birds during summer.

6. **Visit to an Old Age Home** – Spend time with the elderly—sing songs, perform a skit, or simply talk with them.

Let your actions inspire change!
 - We look forward to seeing your enthusiastic participation.

Please follow the instructions carefully while completing your holiday homework:

1. **Assignment Sheets**:
   - Do your homework on the assignment sheets provided.
   - Make sure your work is **neat and legible**.
2. **Practical Files**:
   - Complete all practical work in the respective **practical files**.
   - Maintain **cleanliness and proper formatting** in your files.

Enjoy your holidays and make sure to balance fun and learning!