

# **Green Halley 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 10TH		
SUBJECT	Homework	
ENGLISH	<ul> <li>Activity - Project File on A Letter to God (Cover page, acknowledgement, certificate, index, about writer, summary, theme, conclusion along with beautiful pictures)</li> <li>Interview your Grandparents and ask question about their hobbies and lifestyle and write interview summary.</li> <li>Worksheet:         <ul> <li>Solve and write the Reading Comprehension (Page No:- 3-4)</li> <li>Analytical Paragraph (Page No:- 103-132)</li> </ul> </li> </ul>	
MATHEMATICS	<ul> <li>Activity: Make an activity on surface area and volume.</li> <li>i) Perimeter and area</li> </ul>	
	I) Perimeter and area	
	<u>Iypes of triangle and quadrilateral</u> <u>Figures</u> <u>Perimeter</u> <u>Area</u> <u>Remarks</u>	
	<b>4 Revise</b> the covered syllabus.	
	<b>Solve</b> the following questions	
	1. The HCF of two number's 65 and 104 is 13.If LCM of 65 and 104 is 40x, then the value of 'x' $\cdot$	
	is:	
	$a_j 5. b_j 13$	
	b) 40. a) $\delta$ 2. If a non-minimum hyperbolic given by $n(y) = V^2$ . Ever $f$ then the value of $n(1) + n(4)$ is $f$	
	2. If a polynomial $p(x)$ is given by $p(x)=x^{-5x+6}$ , then the value of $p(1)+p(4)$ is :	
	$a_{1} = a_{2} = a_{1} = a_{2}$	
	bj 2. $cj-4$	
	3. Two dice a toss simultaneously. The probability of getting number of both the dice is: a) 6/36. b) 3/36	
	b) 12/36. d) 9/36	
	<ul> <li>4. From the letter of the word 'MOBILE', a letter is selected at random. The probability that the selected letter is a vowel is.</li> <li>a) 3/7.</li> <li>b) 1/6</li> </ul>	
	b) $\frac{1}{2}$ d) $\frac{1}{3}$	
	5. A quadratic polynomial, one of whose zeroes is $2+\sqrt{5}$ and the sum of whose zeroes is 4, is: a) $X^2+4x-1$ . b) $x^2-4x-1$ b) $X^2-4x+1$ . d) $X^2+4X+1$	
	6. Which of the following cannot be the probability of an event? a)¾ b)-1.5	
	c) 15% d)0.7	
	<b>7.</b> Find L.C.M and H.C.F of 3930 and 1800 by prime factorization method.	
	8. Write the smallest Number which is divisible by both 306 and 657.	
	9. If a and B are zeroes of the quadratic polynomial $4x^2 + 4x + 1$ then find the quadratic	
	polynomial whose zeroes are $2\alpha$ and $2\beta$ .	
	10. If $\alpha$ , $\beta$ are zeroes of the quadratic polynomial $5x^2 + 5x + 1$ find the value of:	
	$1. \alpha^2 + \beta^2$	
	11. f LCM (96,404) = 9696. Find HCF (96,404).	
	12. Find LCM and HCF of 510 and 92. Also verify that LCM X HCF = Product of the two	
	numbers.	
	13. Find the quadratic polynomial if zeroes of the polynomial are 3V5-4 and 3V5+4	
	14. The difference between two numbers is 26 and one number is three times the	
	other, find them.	
	15. Find the solution of the equations 2x+y-6=0 and 4x-2y-4=0	
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	16. Find the value of k for $k(x-2) + 6=0$ they have equal roots.
	17. Prove that $VZ + V3$ is irrational numbers.
	18. Find the zeroes of $6x^2$ -3-7x and verify the relationship between the zeroes and
	coefficients.
	19. Five year ago, Nuri was thrice as old as Sonu. Ten years later Nuri will be twice as
	ola as Sonu. Fina their present ages
	20. John and livanti together nave 45 marbles. Both of them lost 5 marbles each and
	the product of the number of marbles they now have is 124. How many marbles they
	naa to start
	21. A train travers a distance of 400 km at anyon more to sover some distance. Find the
	kin/ nr less than it would have taken 5 hours more to cover same distance. Find the
	4 Reference Book (Ashoka)
	<ul> <li>Solve the Objective Type Questions (Page No:- 1/13 and 1/14)</li> </ul>
	<ul> <li>Solve the Case Study based Questions (Page No: 1/18 and 1/19)</li> </ul>
	<ul> <li>Solve Solf Assessment Test (Page No:- 1/21)</li> </ul>
SCIENCE	Biology
<b>DOLLIGE</b>	<b>Activity:</b> To show that carbon dioxide is given out during respiration.
	Procedure:
	Take a straw and a beaker.
	Fill the beaker with lime water.
	Blow air from the mouth using the straw into the beaker.
	The lime water present in the beaker will turn milky.
	Conclusion:
	Calcium carbonate forms due to which lime water turns milky.
	This shows that carbon dioxide was present in the expired gas.
	The liberation of carbon dioxide during respiration can be shown by the experiment
	where the lime water present in a beaker will turn milky, after blowing air into it from
	the mouth using a straw, hence it will show that carbon dioxide was present in the
	expired air.
	🛓 Reference Book (Ashoka)
	+ helerence book (hishoku)
	<ul> <li>Chapter Practice Test / Page No 1/77 (1-12)</li> </ul>
	<ul> <li>Chapter Prectice Test / Page No. 2/43 (1-12)</li> </ul>
	<b>4</b> CHEMISTRY
	1.Activity: The Effect of Temperature on the Rate of a Chemical Reaction
	• <b>Ubjective:</b> 10 observe how temperature attects the rate of the reaction between
	sodium bicarbonate (baking soda) and vinegar (acetic acid).
	- Materials. Solution of an one stonwatch or timer 3 identical clear containers (like
	beakers or clear drinking glasses). Ice. Hot water (not boiling) Room
	temperature water. Safety goggles, notebook for observations
	<ul> <li>Background: The reaction between baking soda and vinegar is an acid-base</li> </ul>
	chemical reaction that produces carbon dioxide gas, water, and sodium acetate.
	The general equation for the reaction is:
	■ $NaHCO_3 + CH_3COOH \rightarrow CO_2 + H_2O + CH_3COONa$
	• <b>Procedure: i) Setup:</b> Label the three containers as 'Cold', 'Room Temperature',
	and 'Hot'.
	I emperature Preparation: Eill the 'Cold' container with ice water and let it site with the terms and
	r iii the Cold container with ice water and let it sit until the temperature

	stabilizes to about 5°C.
	The 'Room Temperature' container should be at about 25°C.
	<ul> <li>Conducting the Experiment:</li> </ul>
	Measure and add equal amounts of baking soda into each container (about 2 tablespoons).
	Measure and prepare to add equal amounts of vinegar (about 50 ml) to each
	Quickly add the vinegar to the baking soda in each container simultaneously (you might need assistance to ensure simultaneity), and start your stopwatch. Observe the reaction and record the time it takes for the reaction to seemingly finish in each container. Record the volume of gas produced by using displacement of water if containers are calibrated, or by the height of the foam.
	<ul> <li>Observation: Note down the speed and volume of the reaction in each case. Observe which mixture reacts the fastest and which produces the most gas.</li> </ul>
	<b>2.</b> Write and learn name, symbols and electronic configuration of all elements (118) of the periodic table.
	<ul> <li>Reference Book (Ashoka)</li> <li>Self Assessment / Page No. 1/53 &amp; 2/60.</li> </ul>
	1 DHVSICS
	Prepare assignment on topic: <b>Spherical Mirrors</b> (including types of Mirrors, Ray Diagrams, Mirror Formula and Magnification)
	<ul> <li>Reference Book (Ashoka)</li> <li>Solve NCERT Exemplar Questions 1-19 Page No. 3/46, 3/47 And 3/48</li> </ul>
SOCIAL	+ Plan a survey in your colony/village to investigate people's attitude towards
SCIENCE	recycling of the domestic/agriculturalwastes. Ask questions about :
	(a) What do they think about resourcesthey use?
	(b) What is their opinion about thewastes, and its utilisation?
	<ul> <li>On the outline man of India mark the following.</li> </ul>
	(A) Salal (B) Bhakra Nangal (C) Tehri (D) Rana Pratap Sagar
	(E) Sardar Sarovar (F) Hirakund (G)Nagarjun Sagar
	<ul> <li>Prepare a project on the topic MGNREGA 2005.</li> </ul>
	<ul> <li>Why do you think MGNREGA 2005 is referred to as ' Right to work'?</li> </ul>
	Imagine that you are the village nead. In that capacity suggest some activities that you think should be taken up under this Act that would also increase the
	income of neonle? Discuss.
	<ul> <li>How would income and employment increase if farmers were provided with</li> </ul>
	irrigationand marketing facilities?
	In what ways can employment be increased in urban areas?
PUNJABI	। 1. ਮਨ ਚੰਚਲ ਹੈ ਹਮੇਸ਼ਾ ਈ ਡੋਲਦਾ ਰਹਿੰਦਾ ਹੈ ਮਨ ਦੀ ਇਸ ਅਵਸਥਾ ਨੂੰ ਕਿਵੇਂ ਕਾਬੂ ਕੀਤਾ ਜਾਵੇ ਵਿਸ਼ੇ ਤੇ ਇੱਕ ਭਾਸ਼ਣ ਤਿਆਰ ਕਰੋ ।
-	2.ਪੱਤਰ ਰਚਨਾ :- ਆਪਣੇ ਵੱਡੇ ਭਰਾ ਨੂੰ ਇੱਕ ਪੱਤਰ ਲਿਖੋ ਕਿ ਤੁਸੀਂ ਦਸਵੀਂ ਦੀ ਪ੍ਰੀਖਿਆ ਤੋਂ ਬਾਅਦ ਕੀ ਕਰਨਾ ਚਾਹੁੰਦੇ ਹੋ । ਆਪਣੇ ਜੀਵਨ
	ਦਾ ਉਦੇਸ਼ ਦੱਸਦਿਆਂ ਇਸ ਅਜੋਕੇ ਯੁੱਗ ਦੇ ਵਿੱਚ ਤੁਸੀਂ ਕੀ ਨਵਾਂ ਕਰਨਾ ਚਾਹੁੰਦੇ ਹੋ ।ਪੱਤਰ ਵਿੱਚ ਬਿਆਨ ਕਰੋ । 2 ਤੱਤ ਤਾਰਦ ਉਤਦੇਸ਼ ਨਾਲੀਤ ਉੱਤਾ ਤਾਰੋਤਾਰ ਇਤਾਲਾ ਤਰੋਤ
	ੇ 3.ਰੁੱਖ ਬਚਾਓ ਸਿਰਲਥ ਅਪਾਨ ਇਕ ਸਲਗਨ ਤਿਆਰ ਕਰ । ਜਾਂ
	ਾ.   ਵਿਆਕਰਨ ਭਾਗ ਦੇ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਬਾਰੇ ਲਿਖ ਕੇ ਰੰਗੀਨ ਚਾਰਟ ਬਣਾਓ ।
	4.ਕੰਮ -ਸੌਂਪਣੀ / Assignment :- ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ ਜਿਵੇਂ ਦਾਜ, ਭਰੂਣ -ਹੱਤਿਆ , ਨਸ਼ੇ , ਰਿਸ਼ਵਤਖੋਰੀ' ਭ੍ਰਿਸ਼ਟਾਚਾਰ , ਚੋਰੀਆਂ , ਵੱਧ
	ੂਰਹੀ ਮਾਰ ਧਾੜ , ਭੁਖਮਰੀ, ਬੇਰੁਜ਼ਗਾਰੀ ਆਦਿ ਵਿਸ਼ਿਆ ਦੇ ਉੱਪਰ ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਤਸਵਾਰਾ ਸਾਹਿਤ ਕੰਮ ਸਪਣਾ ਤਿਆਰ ਕਰ ।

IT	<ul> <li>Practical File Work         <ul> <li>Writing Pros and cons of verbal, non- verbal and visual communication.</li> <li>To understand stress management skills.</li> <li>Distinguish between various operating systems.</li> <li>Myths of Entrepreneurship.</li> <li>Identify the problems related to sustainable development.</li> </ul> </li> </ul>
PHYSICAL	Mainstreaming Health and Physical Education
EDUCATION	<ul> <li>Topic – Choose Any Game From Your Syllabus</li> </ul>
	<ul> <li>Instructions</li> </ul>
	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 Playaround
	<ol> <li>Plant a Tree or Garden – Take part in planting trees or maintaining a aarden.</li> </ol>
	3. Thank You Cards – Make appreciation cards for school staff or community workers (e.a., police, firefighters).
	4. <b>Donation Drive</b> – 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!