



# St. Anthony's High School Faisal Town Lahore



Class 8A

## HOLIDAYS HOMEWORK

Week 1



Name: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_

Admission. No. \_\_\_\_\_

**To,**

**The Parents,**

1. This booklet contains summer vacation homework for 2025: projects and worksheets.
2. Vacation homework is designed to keep the children usefully engaged connecting the book knowledge with practical life.
3. The work is designed under the following formats based on activities
  - a) Thematic work
  - b) Intergraded work
  - c) Projects
4. Parents are requested to support, guide and provide inexpensive material required to complete the work.
5. The work given is to develop skills, innovation and creativity, the work done by anybody except the students will not be checked.
6. Where necessary instructions are given to the child and to the parents to guide and support the child in completing work.
7. The summer vacation homework suggests visiting parks, zoo, and other educational and recreational locations for activities.
8. We hope this exercise will help children and parents to spend some quantity time together, which they miss during the school days and turn the learning into a joyful experience. Hence we plan the event meaningfully.
9. Do not use expensive material.
10. HW is given on weekly basis for 7 weeks. HW of the 1<sup>st</sup> week will be uploaded on the website and on shared on WhatsApp groups by 8<sup>th</sup> of June 2025.
11. Please refrain from doing the entire home work in one week.
12. Teachers will be available on phone/WhatsApp between 10am to 12noon till 20<sup>th</sup> June 2025.
13. Email ID of every teacher is mentioned at the end of the page. For any further clarification you can email to [ace@stanthony.edu.pk](mailto:ace@stanthony.edu.pk).
14. Please note that you will receive the response of the email within 24 working hours up to 20<sup>th</sup> of June 2025.
15. Make a permanent work place and work time, this will help you bring discipline into your work routine.
16. All the home work should be submitted on 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> of August 2025.
17. Please compile all the projects and worksheets in the form of a booklet with the name of the students, admission number, and class mentioned clearly on the cover page. Please get the colored print of the cover page.
18. Do collect the receipt of the submitted homework.
19. In case of any delay, submit your homework with an application to the coordinator.
20. Any changes to the above will be intimated to you through the website/FB.
21. Email Ids: [ambreen@stanthonyf.edu.pk](mailto:ambreen@stanthonyf.edu.pk), [fouzia@stanthonyf.edu.pk](mailto:fouzia@stanthonyf.edu.pk),  
[kirana@stanthonyf.edu.pk](mailto:kirana@stanthonyf.edu.pk), [mariam@stanthonyf.edu.pk](mailto:mariam@stanthonyf.edu.pk), , [sonila@stanthonyf.edu.pk](mailto:sonila@stanthonyf.edu.pk).

Class:8A	Week 1	Date:
Subject	Homework Project	Instructions
English	<p><b>Task 1:</b> Interview a family member or neighbor and write a report or article about their life experience.</p> <p>Design a newspaper front page with made-up or real holiday news stories.</p> <p>Vocabulary journal: Pick 10 new words each week from your reading or experiences and use each in a sentence.</p> <p><b>Q: IMAGINATIVE ESSAY:</b> Introduction:</p> <p>Have you ever wondered what it would be like to wake up in a world where gravity no longer exists or where animals speak in perfect human language? Imagination allows us to break free from the limits of reality and explore possibilities beyond the ordinary. In this essay, I invite you to journey with me into a world created entirely from imagination—a world where dreams take shape, the impossible becomes possible, and every corner hides a new surprise.</p> <p>Write an Imaginative essay about what you want to do when you grow up and whether you plan to use your expertise for the good of others.</p>	<p>Language usage (grammar, vocabulary)</p> <p>Creativity and originality</p> <p>Relevance to task</p> <p>Effort and presentation</p> <p>Present your work neatly in a file or folder.</p>
Urdu	<p>سوال نمبر 1۔ مندرجہ ذیل سوالات کے جوابات دیں۔</p> <p>1۔ نوجوان کی وضع قطع کیسی تھی؟</p> <p>2۔ جائزے کی شام میں نوجوان پر سرد ہوا کیسے اثرات مرتب کر رہی تھی؟</p> <p>3۔ مال روڈ پر موجود بھوم کیسی سرگرمیوں میں مصروف تھا؟</p> <p>4۔ نوجوان کے اور کوٹ کی خصوصیات بیان کریں۔</p> <p>5۔ نوجان نے اور کوٹ کیوں پہن رکھا تھا؟</p> <p>6۔ انسانے کے اختتام پر نوجوان کی سفید پوشی کیسے منظر عام پر آگئی؟</p> <p>7۔ انسان لکھتے وقت مصنف "غلام عباس" نے معاشرے کے کس طبقہ کو مر نظر کھا ہے؟</p>	<p>1  <a href="https://1drv.ms/b/c/ebb81fd3285d0306/ETBj83_2n0lDorxviQOfMvgBSRrPhyhjx4NSLwojVAm5Ig?e=XwtHs9">https://1drv.ms/b/c/ebb81fd3285d0306/ETBj83_2n0lDorxviQOfMvgBSRrPhyhjx4NSLwojVAm5Ig?e=XwtHs9</a></p> <p>1۔ مندرجہ بالائک میں موجود افسانے کو دبھی سے پڑھیں۔</p> <p>2۔ سوالات کا بغور مطالعہ کرنے کے بعد جوابات تحریر کریں۔</p> <p>3۔ سوالات کے جوابات کے مکانہ جوابات کا جائزہ لینے کے بعد جوابات دیں۔</p>

	<p>کیا آپ نے اپنے اردو گرد کبھی ایسا کوئی شخص دیکھا ہے جس کی وضع قطع کہانی کے ہیر و یعنی نوجوان جیسی ہو۔</p> <p>9- اس افسانے کا مرکزی خیال کیا ہے؟</p> <p>10- سڑک پار کرتے وقت نوجوان کے ساتھ کیا خادش پیش آیا؟ اور اس کی وجہ کیا تھی؟</p> <p>سوال نمبر ۲- مندرجہ ذیل واحد کے جمع لکھیں۔</p> <p>پڑی، رقص گاہ، دکان، شکل، نانگ</p> <p>سوال نمبر ۳- مندرجہ ذیل الفاظ کے متصاد تحریر کریں۔</p> <p>بدحال، گرم، آستہ، اندر، بھری ہوئی</p> <p>سوال نمبر ۴- اسم مرغہ اور اسم نکرہ کی اقسام سے متعلق سوالات۔</p> <p>انے کے آغاز میں نوجوان جس سڑک اور چوک سے گزر کر مال روڈ پر پہنچا، ان کے نام بتائیں اور یہ اسم کی کون سی قسم ہیں؟</p> <p>وٹے کے بعد نوجوان کو جس ہسپتال میں لے جایا گیا، اس کا نام اور وہاں موجود اکٹھ اور نرسوں کے نام (اگر ذکر ہے تو) بتائیں اور یہ اسم کی کون سی قسم ہیں؟</p> <p>وورکٹ "کے متن میں موجود کم از کم پانچ ایسے اسم نکرہ کی نشاندہی کریں جو کسی عام جیز، شخص یا جگہ کے لیے استعمال ہوئے ہیں؟</p> <p>انے میں بیان کردہ مختلف قسم کے "اوورکٹ" (مثلاً قراقلی کے بیش قیمت اور کوٹ، پرانے فوجی اور کوٹ) کس قسم کے اسم ہیں اور کیوں؟</p>	
Mathematics	<p><b>Topic:</b> Application-Based Word Problems:</p> <p>1. Gardening Project Ali wants to build a square flower bed in his garden. If the side of the flower bed is <math>(3x+2)</math> meters, find the area using the appropriate algebraic formula.</p> <p>2. Painting a Wall</p>	<p><b>□ Instructions:</b></p> <ol style="list-style-type: none"> <li>Attempt all questions neatly in your Mathematics notebook.</li> <li>Show complete working for each answer.</li> <li>Use the algebraic</li> </ol>

	<p>A rectangular wall has a height of <math>(2x+3)</math> meters and a width of <math>(2x-3)</math> meters. Find the area of the wall using an algebraic identity. Which identity did you use?</p>	<p>formulas where applicable:</p> <ol style="list-style-type: none"> <li>4. <math>(a-b)(a+b) = a^2 - b^2</math></li> <li>5. <math>(a+b)^2 = a^2 + b^2 + 2ab</math></li> </ol>
	<p>3. Designing a Box A company is designing a square box with each side measuring <math>(5x-4)</math> cm. Find the total area of the top of the box. Write the answer in simplified form.</p>	<ol style="list-style-type: none"> <li>6. <math>(a-b)^2 = a^2 - b^2 - 2ab</math></li> <li>7. Use full scape sheet for practice</li> <li>8. Watch the following video link for help</li> </ol>
	<p>4. Difference of Squares in Real Life A rectangular board has a length of <math>(x+6)</math> cm and a breadth of <math>(x-6)</math> cm. Use algebraic identities to find its area. How does this relate to the formula for the difference of squares?</p>	<p><a href="https://www.youtube.com/watch?v=NybHckSEQBI">https://www.youtube.com/watch?v=NybHckSEQBI</a></p>
	<p>5. Tiles for a Square Hall A square hall has side length <math>(4x+5)</math> meters. The floor is to be tiled. Calculate the area that needs to be tiled. Also find how much extra area would be there if each side were increased by 1 meter.</p>	
	<p>6. Mathematics Fair Project Sara created a square-shaped mathematics board with the expression <math>(a+5)</math> cm as its side. Calculate the area of the board using algebraic identities. If <math>a=3</math>, find the actual area.</p> <p>7. Think of a real-life situation where algebra Cost of buying chocolates: If 1 chocolate costs Rs. <math>x</math>, what is the cost of 5?</p> <p>8. Area of a garden: If the length is <math>(x + 3)</math> and width is <math>(x - 2)</math>, find the area.</p> <p>→ Write 2 such situations from your life. → Write the expression, expand, and explain its meaning. Pattern Around Me (Application-Based)</p> <p>Look for number or shape patterns in your environment (e.g., tiles, grills, staircases, fences, Take photos or draw at least 3 example Identify whether the pattern follows a term-to-term or position-to-term rule.</p>	

	<ul style="list-style-type: none"> <li>· Write the first 5 terms of each pattern.</li> </ul> <p>2. Create Your Own Sequence Art (Activity-Based)</p> <p>Design a colorful pattern artwork using sequences.</p> <ul style="list-style-type: none"> <li>· Choose a sequence rule (e.g., add 2, multiply by 3).</li> <li>· Represent terms using shapes or colors (e.g., 2 circles, 4 stars, 6 triangles...)</li> <li>· Mention the term-to-term rule and position-to-term formula.</li> </ul> <p>Note □ Practice 2.5 and 2.6</p>	
Science	<p>Activity no.1: Nervous System Case Study – Detailed Explanation</p> <p>Objective: Research and analyze a disease/disorder of the nervous system to understand its impact on the human body.</p> <p>Structure your report like this.</p> <p>**Title: ** [Disease Name] – A Nervous System Disorder</p> <p>**Introduction: ** What is the disease? Which part of the nervous system does it affect?</p> <p>**Causes: ** Why does it happen? (E.g., "Parkinson's occurs when brain neurons producing dopamine die.")</p> <p>**Symptoms: ** List 3–5 key symptoms.</p> <p>**Treatment: ** How do doctors manage it? (E.g., "Physiotherapy helps patients move better.")</p> <p>**Conclusion: ** How does this disease impact daily life? (E.g., "Patients may need family support to eat or walk.")</p>	<p>Instructions:</p> <ol style="list-style-type: none"> <li>1. Choose a Disease: Pick one nervous system disorder from the following (or ask your teacher for suggestions): <ul style="list-style-type: none"> <li>● Alzheimer's Disease (Memory loss)</li> <li>● Parkinson's Disease (Movement disorder)</li> <li>● Epilepsy (Seizures)</li> <li>● Multiple Sclerosis (Nerve damage)</li> <li>● Stroke (Brain blood flow blockage)</li> <li>● Research the Disease: Use books, approved websites (e.g., Khan Academy), or school notes to find: <ul style="list-style-type: none"> <li>● Causes: Genetic, injury, infection, etc.</li> <li>● Symptoms: E.g., tremors (Parkinson's), forgetfulness (Alzheimer's).</li> <li>● Treatment: Medicines, therapy, surgery.</li> </ul> </li> </ul> </li> <li>3. Use A4 sheets to complete the task.</li> </ol>
Social Studies	<p>GEOGRAPHY:</p> <ul style="list-style-type: none"> <li>· INTRODUCTION:</li> </ul> <p>This video features Dr. Binocs, explaining the different types of pollution and their effects on the environment</p>	<p>Students should watch the video carefully and answer the questions from that video.</p>

<p>and human health. It covers air pollution, water pollution, soil pollution, and noise pollution, detailing their causes and consequences. The video also suggests ways to reduce pollution.</p> <p>VIDEO'S LINK:</p> <p><a href="https://www.youtube.com/watch?v=7qkaz8ChelI">https://www.youtube.com/watch?v=7qkaz8ChelI</a></p> <p>AFTER WATCHING THE VIDEO WRITE, THE SUMMARY OF THE VIDEO</p> <p>10 QUESTIONS FOR STUDENTS</p> <p>After watching the video attentively, answer the following questions:</p> <ol style="list-style-type: none"> <li>1. What are the main types of pollution discussed in the video?</li> <li>2. What are some natural and human causes of air pollution</li> <li>3. How does burning fossil fuels contribute to air pollution</li> <li>4. What are some health problems caused by air pollution</li> <li>5. What are some causes of water pollution</li> <li>6. How does water pollution affect aquatic ecosystems</li> <li>7. What are some causes of soil pollution</li> <li>8. How does soil pollution harm animals and humans</li> <li>9. What are some natural and man-made causes of noise pollution</li> <li>10. What are some ways to reduce pollution, as suggested in the video</li> </ol> <p>Considering the various types of pollution and their effects, what are some innovative solutions that individuals, communities, and governments could implement to create a more sustainable and less polluted environment?</p>	
Computer Studies	<p>Algorithms: Treasure Hunt Instructions</p> <p>Objective: Understand algorithm design through precise, step-by-step instructions.</p> <p>Guidelines:</p> <p>Define the treasure and location (real or virtual)</p> <p>Write step-by-step instructions using directional/logical commands</p> <p>Presentation: Use A4-sized assignment sheets for all work. Write neatly with a blue pen. Label each sheet with name, class, section, roll number, and topic.</p> <p>Organization: Complete tasks week-wise and arrange them in Computer Subject File. Staple or clip sheets in order before submission.</p>

