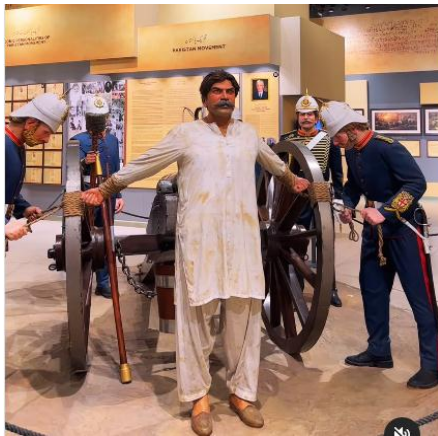


Class	Week 3	Date
Subject	Homework Project	Instructions
English	<p>Topic: Clauses  Clauses are mainly divided into two types: independent and dependent clauses.  Dependent clauses are further divided into noun clauses, adjective clauses, and adverb clauses. These are used to know specific information within a sentence and to learn the functions of different words.</p> <p>Task 1: Read chapter 2, "Peter's coal mine" from "The Railway Children" thoroughly.  Task 2: Pick out 5 noun clauses, 5 adjective clauses, and 5 adverb clauses from the given chapter.  Task 3: Also mention what role those clauses are performing in the sentence (object, or subject).</p>	<ol style="list-style-type: none"> <li>1. Use loose sheets for this activity.</li> <li>2. Use different colors to mention different types of clauses and their functions in the sentences.</li> <li>3. Must read the mentioned chapter carefully and underline it first in the book for your ease.</li> <li>4. You can also take help from the Wren &amp; Martin Book to recall the rules of functions of clauses.</li> <li>5. Take help from the given link for better understanding:  <a href="https://youtu.be/8dT_MIElHo8?si=-VbE0CGnLPyLxSwk">https://youtu.be/8dT_MIElHo8?si=-VbE0CGnLPyLxSwk</a></li> </ol>
Urdu	<p>آپ نے اپنی جماعت کی اُستانی کے ہمراہ "آرمی میوزیم لاہور" کا تعلیمی دورہ کیا ہے۔ اس تعلیمی دورے کو مد نظر رکھتے ہوئے مندرجہ ذیل سوالات کے جوابات دیں۔</p> <p>☆ کیا آرمی میوزیم "تعلیمی دورے" کے لیے ایک معلوماتی جگہ ہے؟ اپنا نقطہ نظر بیان کریں۔</p> <p>☆ آپ کے خیال میں آرمی میوزیم لاہور کی سیر کیوں اہم ہے؟ وہ کون سے عناصر ہیں جو اُسے دوسرے تفریحی مقامات سے مختلف بناتے ہیں؟ کم از کم پانچ ایسے عناصر کا حال تفصیل سے بیان کریں جو آپ کو زیادہ متاثر کن لگے۔</p> <p>☆ آرمی میوزیم میں ہر گیلری کے مشاہدے کے دوران ایک گائیڈ نے آپ کو اُس گیلری میں موجود ہر تصویر اور منظر کے بارے میں تفصیل سے بتایا۔ اُن میں سے کون سی گیلری اور گائیڈ کا لب و لہجہ اور انداز بیان آپ کو سب سے زیادہ پسند آیا اور کیوں؟ 4 وجوہات لکھیں۔</p> <p>☆ مندرجہ ذیل تصاویر کو دیکھ کر ان کے بارے میں ایک ایک معلوماتی جملہ لکھیں</p>	<p>جن طلباء نے اسکول کے تعلیمی دورے میں شرکت نہیں کی تھی وہ اپنے والدین کے ہمراہ دوران تعطیلات پہلے آرمی میوزیم کا دورہ کریں پھر دیئے گئے سوالات کے جوابات دیں۔</p>





Mathematics

🔑 Part A: Simple Questions – Simplify the Polynomial Expressions

1.  $2x+5x-3$
2.  $3y^2+4y-y^2+2$
3.  $4a-3a+2a^2+5-2$
4.  $X^2+3x-2x^2+76$
5.  $5m+3n-2m+4n$
6.  $3(x+2)+2(x-1)$

📦 Activity 4: Factorization Puzzle

Create a Factorization Puzzle:  
Write 5 expressions and mix their factors separately.  
Ask a family member or friend to match each expression with its correct factors.

🧠 Part B: Application-Based Questions

🏠 Q1: Juice Factory Expense

A juice company spends  $3x^2+5x$  rupees on ingredients and  $2x+7$  rupees on packaging per day.

- Write a polynomial that represents the total daily cost.

📚 Q2: School Supplies

Each student gets notebooks costing  $2x+4$  rupees and stationery costing  $x^2+3$  rupees.

- Write and simplify the expression for the total cost per student.

🎨 Q3: Wall Painting

The amount of paint needed for one wall is  $2x+5$  liters. If a painter paints 3 walls:

- Write and simplify the expression for the total paint needed.

📦 Q4: Eid Gift Boxes

The surface area of each gift box is given by  $x^2+3x+2$  square cm. If you prepare 2 boxes,

- Write the polynomial expression for the total surface area and simplify.

🌟 Bonus Fun Activity: Make Your Own Polynomial!

Create a real-life story where you use a



📖 Activity 5: Story-Based Problem Solving

Write two real-life stories involving factorization.

Examples:

- A gardener planning a rectangular flowerbed
- A shopkeeper arranging boxes on a shelf  
Create a quadratic expression and solve by factorizing.




	<p>polynomial expression. For example:          “I bought 2 shirts for <math>3x+5</math> rupees each and 1 pair of shoes for <math>2x+10</math> rupees. The total cost was...”</p> <ul style="list-style-type: none"> <li>• Write your story</li> <li>• Write the polynomial expression</li> <li>• Simplify it</li> </ul> <p>🧠 Part c</p> <p>1. School Playground Fencing          The school plans to build a rectangular fenced play area. The area in square meters is given by:  <math>\text{Area} = x^2 + 7x + 10</math>          ♦ Help the school find the possible dimensions (length and width) of the play area by factorizing the expression.</p>	
	<p>2. Book Printing          A publisher prints books, and the total printing cost for each batch is given by the expression:  <math>\text{Cost} = x^2 + 13x + 40</math> rupees          ♦ Factorize the expression to find the factors that could represent the cost breakdown.</p>	
	<p>3. Vegetable Garden          A farmer wants to plant vegetables in a rectangular garden. The area of the garden is represented by the expression:  <math>\text{Area} = x^2 + 11x + 30</math> square meters          ♦ Factor the expression to find the possible length and width of the garden.</p>	
	<p>4. Online Order Packaging          An online seller packages orders using a formula for the space used:  <math>\text{Volume} = x^2 - 5x - 24</math> cubic units          ♦ Factor the expression and explain what the dimensions of the box could be.</p>	
	<p>5. Stage Decoration          A decorator is arranging tiles for a stage backdrop. The total number of tiles used is:  <math>\text{Tiles} = x^2 - x - 20</math>          ♦ Help the decorator find the possible</p>	

		arrangement by factorizing the quadratic expression.				
		<p> <b>Challenge Yourself</b></p> <p>Write your own real-life story problem that includes a quadratic expression like: <math>x^2 + bx + c</math> or <math>x^2 - bx - c</math>, and solve it by factorizing.</p> <p>Activities:</p> <p><input type="checkbox"/> <b>Activity 1: Factorization Puzzle</b></p> <p>Create a Factorization Puzzle: Write 5 expressions and mix their factors separately. Ask a family member or friend to match each expression with its correct factors.</p>				
		<p> <b>Activity 2: Story-Based Problem Solving</b></p> <p>Write two real-life stories involving factorization. Examples:</p> <ul style="list-style-type: none"><li>• A gardener planning a rectangular flowerbed</li><li>• A shopkeeper arranging boxes on a shelf</li></ul> <p>Create a quadratic expression and solve by factorizing.</p>				
Science	<p><b>Community Awareness Project: "Debunking Heart Health Myths"</b></p> <p><b>Objective:</b></p> <ul style="list-style-type: none"><li>• Investigate local misconceptions about heart/respiratory health.</li><li>• Use scientific knowledge to correct myths through a creative poster.</li></ul> <p><b>Task:</b></p> <ul style="list-style-type: none"><li>• Students add 2 more local myths they've heard (ask grandparents/neighbors).</li></ul> <p><b>Step 2: Conduct Interviews (Survey)</b></p> <p><b>Method:</b></p> <ul style="list-style-type: none"><li>• Survey 3–5 people (family, neighbors, shopkeepers) with these questions:<ol style="list-style-type: none"><li>1. "Have you heard this myth? Do you believe it?" (Yes/No)</li><li>2. "Why do you think people believe this?" (Open-ended)</li></ol></li></ul> <p><b>Template:</b></p> <table><tr><td>Myth</td><td>Heard</td><td>Believe</td><td>Reason</td></tr></table>	Myth	Heard	Believe	Reason	<p><b>Instructions:</b></p> <p><b>Step 1: Research Common Myths.</b></p> <ul style="list-style-type: none"><li>• Use textbooks/trusted websites to find scientific facts.</li><li>• Use A4 sheets to complete the template and question given in the survey.</li></ul> <p><b>Examples of Pakistani Heart/lungs Myths:</b></p> <ol style="list-style-type: none"><li>1. "Drinking ice-cold water after exercise causes a heart attack."</li><li>2. "Smoking hukka/sheesha is safer than cigarettes."</li><li>3. "Young people don't need to worry about heart disease."</li><li>4. "Eating pure</li></ol>
Myth	Heard	Believe	Reason			









	<table><tr><td></td><td>of? (Y/N)</td><td>It? (Y/N)</td><td>for Belief</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>		of? (Y/N)	It? (Y/N)	for Belief																					<i>ghee/clarified butter clogs arteries immediately."</i>
	of? (Y/N)	It? (Y/N)	for Belief																							
Social Studies	<p>Geography: Unit:3 Settlements and land use Introduction. Settlements are places where people live and work. Settlements can be small villages, towns, or large cities. People choose where to settle based on things like water, land, climate, and jobs. Land use means how land is used by people for farming, housing, industry, transport, and more. As populations grow, land use changes to meet their needs. In this topic, we explore the types of settlements and how land is used. We also learn how people plan and manage land for the future. This helps us understand how human life and the environment are connected. Video links <a href="https://youtu.be/vbP-o6-ETuA?si=jXZetGKHYw0sIp8R">https://youtu.be/vbP-o6-ETuA?si=jXZetGKHYw0sIp8R</a> <a href="https://youtu.be/JKT7cSFf2ic?si=xRMxE3EaTCIT-0bc">https://youtu.be/JKT7cSFf2ic?si=xRMxE3EaTCIT-0bc</a></p> <ol style="list-style-type: none"><li>1. List and describe the seven main types of land use mentioned in the video</li><li>2. How does residential land use differ from commercial land use?</li><li>3. If a new industrial facility is proposed near a residential neighborhood, what potential conflicts might arise, and how could they be addressed?</li><li>4. How did the availability of water sources affect settlement development?</li></ol>	<ul style="list-style-type: none"><li>● Read the introduction</li><li>● Watch the videos carefully, the links are given</li><li>● Answer the Given Questions.</li></ul>																								
Computer Studies	Email: Email a Fictional Character Objective: Practice creative and structured	Kindly share the print of the mail you have delivered to																								

	<p>writing via email. Template Guidelines: Choose a fictional character from a story. Write an email to them asking questions or giving advice.</p>	<p>your friend. It should have: CC: email of your friend Subject: The main body: Greetings, Introductory paragraph Regards, Your name</p>
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Class	Week 4	
Subject	Homework Project	Instructions
English	<p>Topic: Conjunctions Conjunctions are typically used to join long sentences. In our daily life, they play an important role to express and connect different ideas. They are used to make our communication more effective, engaging, effective, and coherent. They are divided into three types: correlatives, coordinating conjunctions, and subordinating conjunctions according to their use.</p> <p>Task 1: Watch the given video and listen to the speech very carefully.</p> <p>Task 2: Identify correlatives, subordinating conjunctions, and coordinating conjunctions from the speech.</p>	<ol style="list-style-type: none"> <li>1. Watch the video carefully <a href="https://youtu.be/jjsdHt_BwI4?si=gmGYA8zsikxaeZg">https://youtu.be/jjsdHt_BwI4?si=gmGYA8zsikxaeZg</a></li> <li>2. Use loose sheets to perform the tasks related to the video.</li> <li>3. Watch the video at least three times to focus more on the sentence structure.</li> <li>4. Identify different types of conjunctions from the speech, as many as you can find.</li> <li>5. You can take help from the Wren &amp; Martin Book to recall the types of conjunctions.</li> </ol>
Urdu	<p>سوال نمبر 1- مدن کے دل میں بہروپیے کو اصل روپ میں دیکھنے کا خیال کیوں کر آیا۔</p> <p>سوال نمبر 2- پوری کہانی میں بہروپیے نے کُل کتنے روپ دھارے ہیں؟ سوال کا جواب دلچسپ انداز میں دیں۔</p> <p>سوال نمبر 3- آج کے ترقی یافتہ دور میں بہروپیے کس صورت میں معاشرے میں موجود ہیں؟</p> <p>سوال نمبر 4- کہانی کو پڑھنے کے بعد کیا آپ کے دل میں بھی بہروپیے کو اصل روپ میں دیکھنے کا شوق پیدا ہوا ہے؟</p>	<p>منزلہ ذیل لنک میں موجود دلچسپ کہانی کو دل جمعی سے پڑھیں اور دیئے گئے سوالات کے جوابات دیں،</p> <p><a href="https://1drv.ms/b/c/ebb81fd3285d0306/ERdU03oBtShMuX0MVdnCG-sBEt-06adjUytzTHQmeVeX4A?e=amkC4e">https://1drv.ms/b/c/ebb81fd3285d0306/ERdU03oBtShMuX0MVdnCG-sBEt-06adjUytzTHQmeVeX4A?e=amkC4e</a></p>

	<p>سوالنمبر 5۔ کیا بہرہ وپ دھارنا ایک فن ہے؟ وضاحت کریں۔</p> <p>سوالنمبر 6۔ کیا کہانی پڑھ کر آپ کو مزہ آیا؟ اپنا تجربہ بیان کریں۔</p> <p>سوالنمبر 7۔ اگر آپ اس کہانی کا نام رکھتے تو "بہرہ وپ" کے علاوہ اس کا کیا نام رکھتے؟</p> <p>سوالنمبر 8۔ لغت کی مدد سے مندرجہ ذیل الفاظ کے معنی لکھیں۔</p> <p>ٹھاٹھ، فرضِ منصفی، قماش، بھبھوت، بھاٹ، مہاجن، کبارگی، وضع، کوچوان، پیچ و تاب</p> <p>سوالنمبر 9۔ مندرجہ ذیل سابقوں سے دو دو الفاظ بنائیے۔</p> <p>خُوش، بے، ہم، با</p> <p>سوالنمبر 10۔ جملے بنائیے۔</p> <p>بیتاب، اکادکا، طفلانہ ضد، حیل و حجت، بلا تکلف</p>	
Mathematics	<p>Topic: Linear Equations in One Variable Objective: To help students practice solving linear equations and apply them in real-life situations.</p> <p>Part A: Simple Linear Equations – Solve for the variable</p> <ol style="list-style-type: none"> <li><math>x+5=12</math></li> <li><math>2x=14</math></li> <li><math>x-7=4x</math></li> <li><math>3x+2=17</math></li> <li><math>x/4=5</math></li> <li><math>5x-3=2x+6</math></li> </ol> <p>Part B: Application-Based Word Problems</p> <p> Q1: School Uniform Cost A school uniform shirt and trousers cost a total of Rs. 1500. The trousers cost Rs. 500.</p> <ul style="list-style-type: none"> <li>Write an equation to find the cost of the shirt.</li> <li>Solve the equation.</li> </ul> <p> Q2: Eid Gift Boxes Ali bought 3 gift boxes for Eid. Each cost Rs. x. He also paid Rs. 150 for delivery. His total bill was Rs. 1050.</p> <ul style="list-style-type: none"> <li>Form an equation and solve it to find the cost of each box.</li> </ul> <p> Q3: Bus Fare Problem Sara paid Rs. 250 for a bus trip. The fixed base fare was Rs. 100 and the remaining was charged at Rs. 30 per kilometer.</p>	<p>✓ Instructions for Students:</p> <ol style="list-style-type: none"> <li>Read each question carefully.</li> <li>Solve all linear equations step-by-step.</li> <li>For word problems, first write the equation, then solve it.</li> <li>Complete all the sums in the full scape sheets do working also( simple and application-based) questions.</li> <li>Show your working clearly</li> <li>Complete the bonus challenge if you want extra credit</li> </ol> <p>✓ Instructions for Students:</p> <ol style="list-style-type: none"> <li>Attempt all questions neatly in your math homework notebook.</li> </ol>








	<ul style="list-style-type: none"> <li>Write and solve an equation to find how many kilometers she traveled.</li> </ul>  Q4: Fruit Basket A fruit vendor sells apples at Rs. 30 per kg. If a customer paid Rs. 210, <ul style="list-style-type: none"> <li>Form a linear equation to find how many kilograms of apples were bought. Solve it.</li> </ul>	2. For activity-based questions, use your creativity and real-life thinking.  3. For fun-based puzzles, write the equation and show steps to solve it.  4. <u>Solve at least 3</u> simple, 2 activity-based, and 1 fun challenge.
	 Bonus Challenge: Puzzle Time "I am thinking of a number. If I double it and subtract 6, the result is 18. What is the number?" <ul style="list-style-type: none"> <li>Let the number be <math>x</math>.</li> <li>Form an equation and solve it.</li> </ul> Activities : Activity-Based Questions  Q1: Shopping Time! Imagine you went shopping with Rs. 1000. You bought a shirt for Rs. 600 and spent the rest on books. <ul style="list-style-type: none"> <li>Let the cost of the books be <math>xxx</math>.</li> <li>Write and solve a linear equation to find the cost of the books.</li> </ul>  Q2: Pizza Party You and your friends order 4 pizzas. Each pizza costs Rs. $xxx$ , and delivery charges are Rs. 200. The total bill is Rs. 1000. <ul style="list-style-type: none"> <li>Write and solve a linear equation to find the cost of one pizza.</li> </ul>  Q3: School Transport The school charges a base fee of Rs. 500 for transport, and Rs. 100 per kilometer for distance from home. The total fee for Ali is Rs. 900. <ul style="list-style-type: none"> <li>Let the distance be <math>x</math> km.</li> <li>Write and solve the equation to find how far Ali lives from school.</li> </ul>  Part C: Fun-Based Puzzle Questions  Q1: Guess My Number! "I am thinking of a number. I double it and add 5. The result is 23. What's my number?" Solve using a linear equation.  Q2: Gift Riddle Hamza has Rs. 300. He buys 2 gifts for his friends, each costing the same. After	5. Bonus challenge is optional for extra credit!  6. Use a pencil for drawings or table work if needed.

	<p>shopping, he has Rs. 60 left.</p> <ul style="list-style-type: none"> <li>● Write and solve the equation to find the cost of one gift.</li> </ul> <p>✳ Bonus Challenge: Create Your Own Problem!</p> <p>Make your own linear equation story from daily life (e.g. shopping, pocket money, travelling, etc.).</p> <ul style="list-style-type: none"> <li>● Write a 2–3 line story</li> <li>● Form a linear equation</li> <li>● Solve it</li> </ul>	
Science	<p>Activity no.4:"Elements in Medicine Packaging"</p> <p>Objective: To identify chemical elements, present in medicines by analyzing their packaging (labels, ingredients, and chemical formulas). Step 1: Collect Medicine Packages (10 Different Types)</p>	<p>Instructions:</p> <ul style="list-style-type: none"> <li>● Ask parents/guardians for empty medicine packets, bottles, or strips.</li> <li>● Examples:( Panadol, Disprin Cough syrups etc.</li> <li>● Do NOT open or consume any medicine.</li> <li>● Use only empty/expired packaging with ingredient lists.</li> <li>● Make a table on the A4 sheet under the following headings and complete it after collecting your data. (medicine, active ingredient, chemical formula, elements present in it)</li> </ul>
Social Studies	<p>Geography. Unit: 3 Settlements and land Use Page:52-54 Video link <a href="https://youtu.be/b1hqYF8tItE?si=c1qDmuc7sPKM8Pjo">https://youtu.be/b1hqYF8tItE?si=c1qDmuc7sPKM8Pjo</a> 1.What are the main differences between rural and urban settlements? Explain how land is used differently in these two types of settlements.</p>	<ul style="list-style-type: none"> <li>● Read page:52 to 54 from the book</li> <li>● Watch the video</li> <li>● Answer the given questions</li> </ul>

	<p>2. Imagine a new town is being planned near your city. As a young town planner, how would you divide the land for the following purposes: housing, farming, education, transport, and recreation?</p> <p>3. Draw a simple layout/map of your town and label the land uses. (You can use colored pencils for your drawing.)</p>	
Computer Studies	<p>Computational Thinking: Daily Routine Sorting Game</p> <p>Objective: Understand sequencing and logical order.</p> <p>Guidelines:</p> <ol style="list-style-type: none"> <li>1. List or pictures of daily routine steps.</li> <li>2. Arrange steps in logical order.</li> <li>3. Discuss consequences of incorrect order.</li> </ol> <p>Example: Wake up -&gt; brush teeth -&gt; eat breakfast etc.</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>

Class	Week 5	Date
Subject	Homework Project	Instructions
English	<p>Topic: Identifying the Tenses</p> <p>In the English Language, we use tenses to predict different types of actions performed at various times. (Fun Fact: Some languages have no verb tenses at all! While English uses tenses: past, present, and future to show time, languages like Mandarin Chinese and Indonesian don't use verb tenses in the same way. Instead, they rely on context or time words (like "yesterday" or "tomorrow") to express when something happened.)</p> <p>Task 1: Read a short story, "All Summer in a Day" by Ray Bradbury.</p> <p>Task 2: After reading it thoroughly, identify the indefinite (present, past, future) tenses and the Continuous (present, past, future) tenses if you find any.</p>	<ol style="list-style-type: none"> <li>1. Recall the structures of Indefinite (past, present, future) Tense and Continuous (past, present, future) Tense.</li> <li>2. Take a printout of the story from the PDF file.</li> <li>3. Use different colors to highlight/underline different tenses</li> </ol>

		<p>present in the story.</p> <ol style="list-style-type: none"> <li>4. Make a key at the end of the page, indicating which color is used for which specific tense.</li> <li>5. You can use your notebooks or the Wren &amp; Martin Book for reference if you find any difficulty.</li> <li>6. You can easily download the story from the given link: <a href="https://www.youtube.com/watch?v=KWCCmXgyCg8">All-Summer-in-a-Day-by-Ray-Bradbury.pdf</a></li> <li>7. If the link does not work, you can download it from Google.</li> </ol>
Urdu	<p>مکالمہ سازی</p> <p>سوال نمبر 1: مکالمہ لکھنے کے کوئی سے تین اصول بیان کریں۔</p> <p>سوال نمبر 2: کالے کی ہماری روزمرہ زندگی میں کیا اہمیت ہے؟</p> <p>سوال نمبر 3: مکالمے کتنی قسم کے ہوتے ہیں ان اقسام کے نام لکھیں۔؟</p> <p>سوال نمبر 4: روزمرہ مکالموں میں استعمال ہونے والے کوئی سے پانچ محاورات لکھیں اور انھیں مکالماتی انداز میں استعمال کرتے ہوئے جملے بنائیں۔</p> <p>سوال نمبر 6: اپنے پسندیدہ ماموں جان (جن کی عمر 40 سال ہو) کا آپ کے پسندیدہ 18 سالہ کزن سے تعلیمی نظام میں آنے والی بڑی تبدیلی کے موضوع پر ایک دلچسپ مکالمہ لکھیں۔</p> <p>(اس مکالمے کو لکھنے سے پہلے اپنے ابا یا خاندان کے کسی فرد سے گفت و شنید ضرور کریں جس کی عمر 40 سال سے زائد ہو)</p>	<p>سرگرمی نمبر 1</p> <p>دیئے گئے سوالات کو حل کرنے سے پہلے دیئے گئے لنک کو ضرور دیکھیں۔</p> <p><a href="https://www.youtube.com/watch?v=KWCCmXgyCg8">https://www.youtube.com/watch?v=KWCCmXgyCg8</a></p>
Mathematics	<p> Topic : Linear equations</p> <p> A. Application-Based Questions</p> <ol style="list-style-type: none"> <li>1. Shopping Budget Ahmed buys 3 pencils for Rs. 15. How much does one pencil cost? (Form and solve a linear equation: Let the</li> </ol>	<p> Instructions:</p> <ul style="list-style-type: none"> <li>• Solve one task each day or follow your own pace.</li> </ul>




	<p>cost of one pencil be <math>x</math>.)</p> <p>2. Mobile Recharge Sana has Rs. 200. She spends Rs. <math>x</math> daily. After 5 days, she has Rs. 100 left. Write a linear equation and find her daily spending.</p> <p>3. School Uniform Cost A shirt and trouser cost Rs. 2,500 in total. The trouser is Rs. 500 more than the shirt. Form and solve a linear equation to find the cost of each.</p> <p>4. Travel Expense A taxi charges a fixed amount of Rs. 100 and Rs. 15 per km. If the total fare is Rs. 220, how many kilometers did the person travel? (Form and solve a linear equation.)</p> <p> B. Fun-Based Questions</p> <p>1. Equation Riddle “I am thinking of a number. If you multiply it by 4 and subtract 5, the answer is 11. What is my number?” (Make your own riddle for a friend to solve!)</p> <p>2. Math Bingo with Equations Write 6 simple linear equations (e.g., <math>2x = 10</math>, <math>x + 5 = 12</math>). Solve each one and write the answers in a bingo grid. Ask a family member to call out answers, and you match with your equations.</p> <p>3. Who Am I?  <ul style="list-style-type: none"> <li>I am a number. When you subtract 3 from me and double the result, you get 14. What am I? (Write 2 more “Who Am I” puzzles for your classmates.)</li> </ul> </p> <p> C. Activity-Based Tasks</p> <p>1. Equation Art Create a poster with 5 colorful speech bubbles. Each bubble should contain a real-life word problem that leads to a linear equation. Solve and decorate!</p> <p>2. Equation Matching Cards Make flashcards: <ul style="list-style-type: none"> <li>Front: Word problem (e.g., Ali has Rs. <math>x</math>. He spends Rs. 50 and has Rs. 150 left.)</li> <li>Back: Equation and solution (<math>x - 50</math></li> </ul> </p>	<ul style="list-style-type: none"> <li>Use a separate notebook or file for your work.</li> <li>Show all steps clearly.</li> <li>Use color where needed to highlight key parts.</li> <li>Ask your parents/guardians to check your work weekly.</li> </ul>
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	<p style="text-align: center;"><math>= 150 \rightarrow x = 200</math>)</p> <p>3. Balance Scale Drawing          Draw a balance scale to show an equation like <math>x + 3 = 7</math>.          Use images of objects to represent <math>x</math> (like apples or boxes). Then show how you "balance" both sides by subtracting or dividing.</p> <p>🧠 Bonus Challenge</p> <ol style="list-style-type: none"> <li>1. Create a short story where a character solves a mystery using linear equations.</li> <li>2. Interview a parent or adult: Ask how they use simple equations in daily life (e.g., budgeting, measuring, shopping).</li> </ol>	
Science	<p>Topic: Human Organ Systems          Objective: To help students understand how daily habits affect their organ systems and promote a healthy lifestyle          Example Diary Entry:</p> <p>Day 1 – Monday</p> <ul style="list-style-type: none"> <li>● Habit: Drank 8 glasses of water.</li> <li>● Organ System: Urinary system (Kidneys).</li> <li>● How it helps: Water helps kidneys remove toxins from the blood and prevent kidney stones.</li> </ul> <p><b>Your diary must include:</b></p> <p>✓ Cover Page (Title: "<i>My Healthy Habits Diary</i>", Name, Class, Date).</p> <p>✓ Daily Entries (7 Days) Each entry should have:</p> <ul style="list-style-type: none"> <li>● Date &amp; Day (e.g., <i>Day 1 – Monday, 10th June</i>).</li> <li>● Healthy Habit (What you did).</li> <li>● Organ System Affected (e.g., heart, lungs, stomach).</li> <li>● How It Helps (1-2 sentences explaining the benefit).</li> </ul> <p>✓ Conclusion – "<i>3 Things I Learned</i>" (e.g., "I learned that exercise makes my heart stronger").</p>	<p>Instructions:</p> <ol style="list-style-type: none"> <li>1. Duration: Maintain the diary for 7 days.(one week).</li> <li>2. Daily Entries: Each day, record the following:             <ol style="list-style-type: none"> <li>a. What healthy habit you practiced (e.g., drank 8 glasses of water, ate fruits, exercised).</li> </ol> </li> <li>3. Which organ system it benefits (e.g., kidneys, heart, lungs).</li> <li>4. How it helps (e.g., "Water helps kidneys filter waste").</li> <li>5. Use coloured A4 sheets for each day entry.</li> </ol>

Social Studies	<p>History Ayyubid Empire (1171-1260) Introduction The Ayyubid Caliphate was a Muslim dynasty founded by Saladin (Ṣalāḥ ad-Dīn) in the late 12th century. It emerged in 1171 after Saladin abolished the Fatimid Caliphate in Egypt. The Ayyubids were of Kurdish origin and ruled over a large region that included Egypt, Syria, parts of Iraq, the Arabian Peninsula, and Yemen. The Ayyubid period is most noted for its resistance against the Crusaders, especially Saladin's famous victory at the Battle of Hattin in 1187, which led to the recapture of Jerusalem. The dynasty promoted Sunni Islam, reformed administrative systems, and supported learning and culture. The Ayyubid rule declined in the mid-13th century and was eventually replaced by the Mamluks. Video links: <a href="https://youtu.be/Mu3-2ytwGeo?si=xFPqbRdNQRNFFYUU">https://youtu.be/Mu3-2ytwGeo?si=xFPqbRdNQRNFFYUU</a> <a href="https://youtu.be/K67bxLBgUeE?si=7X3UmbwLORzoD-sQ">https://youtu.be/K67bxLBgUeE?si=7X3UmbwLORzoD-sQ</a></p> <ol style="list-style-type: none"> <li>1. What were the key events that led Salahuddin al-Ayyubi to establish the Ayyubid dynasty?</li> <li>2. How did Salahuddin's leadership influence the Muslim world during the Crusades?</li> <li>3. What internal factors contributed to the decline of the Ayyubid Empire?</li> <li>4. How did external pressures, such as invasions or political challenges, play a role in the empire's collapse?</li> </ol>	<ul style="list-style-type: none"> <li>● Book page: 34-35 Read thoroughly</li> <li>● Read and watch the introduction and Videos. Carefully.</li> <li>● Prepare your own timeline with the help of book, introduction and Video.</li> <li>● Answer the questions given at the end</li> </ul>
Computer Studies	<p>Topic: Email Guidelines: 1. Compose a Formal Email Format with labeled sections: To, From, Subject, Salutation, Body, Closing. 2. Email Etiquette Comic Strip Template with empty panels and prompts: "Good Email" vs. "Bad Email". 3. Identify Parts of an Email A mock email is shown; students label parts (Subject, CC, Salutation, etc.).</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. Organization: Complete tasks week-wise and arrange them in Computer Subject File. Staple or clip sheets in order before submission.</p>

Class	Week 6	Date
Subject	Homework Project	Instructions
English	<p><b>Topic: Comparison Writing</b> Comparison Writing is a form of creative writing that makes a person think of different things in order to mark their differences and similarities. It helps the reader to understand the conditions and circumstances in which the other person is surviving. It also gives information about various events that are happening around.</p> <p><b>Task 1:</b> Brainstorm any two places where you have been, and have stayed there for at least 4 days. It could be a different country/ house/ city/ town, etc.</p> <p><b>Task 2:</b> According to the ideas of your Brainstorming, think of the answers to the given questions:</p> <ol style="list-style-type: none"> <li>1. Describe similarities and differences between the two places you have thought about. Make a column to answer it.</li> <li>2. How did staying at another place affect your daily routine? Was it fun/ weird/ boring/ awful? Give a reason for feeling the way you felt.</li> <li>3. Imagine if you had to spend a year at that place (which you visited), what would be the most difficult thing to adapt to here?</li> <li>4. How would you describe the people of that place? What do they look like? How do they behave with new people coming to their place?</li> <li>5. Draw a line in the middle of the page, and on both sides, draw pictures/ paste pictures of both places.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use loose sheets for this activity.</li> <li>2. Use the school handwriting pattern.</li> <li>3. Give appropriate, meaningful, and detailed answers.</li> <li>4. Give yourself proper time to think about the events and then start writing.</li> <li>5. You can use the internet to get ideas for pictures of those places.</li> <li>6. You can use any kind of colours to enhance the pictures you have drawn.</li> <li>7. You can also paste printouts instead of drawing pictures of places if you want.</li> <li>8. You can take help from the English International Approach Book, p.83, to get a better understanding.</li> </ol>
Urdu	<p>قصہ گوئی</p> <p>☆ قصہ گوئی اور کہانی لکھنے کی روایت اُردو تاریخ میں بہت پرانی ہے انٹرنیٹ سے تحقیق کر کے بتائیں کہ اُردو کی تاریخ میں قصہ گوئی اور کہانی لکھنے کی ابتداء کب اور کہاں سے ہوئی؟</p> <p>☆ کہانی سُنانا اور پڑھنا ایک دلچسپ عمل ہے کیوں؟ وضاحت کریں۔</p>	<p>دیئے گئے سوالات کے لئے آپ انٹرنیٹ سے معلومات لے سکتے ہیں۔</p>



	<p>☆ کہانی سُنانا اور پڑھنا آسان جبکہ کہانی لکھنا مشکل ہے کیوں؟ وضاحت کریں۔</p> <p>☆ آپ کے خیال کون سے اہم نکات کہانی کو خوب صورت بناتے ہیں؟</p> <p>☆ کہانی فعل کے کس زمانے میں لکھی جاتی ہے؟</p> <p>☆ آپ نے قصہ گوئی کی جماعت اور روزمرہ زندگی میں بہت سی کہانیاں سُنی ہوں گی اُن سب کہانیوں میں سے کوئی سی ایک کہانی بالکل نئے انداز میں لکھیں جس میں کرداروں کے نام بھی آپ اپنی مرضی سے منتخب کریں۔ خیال رہے کہ کہانی کے الفاظ 200 سے زیادہ نہ ہوں۔</p>	
Mathematics	<p>Topic: Triangles, Quadrilaterals and Polygons</p> <p> A. Application-Based Questions</p> <ol style="list-style-type: none"> <li>The Flag Designer Problem A company wants to design a triangular flag with all sides equal and angles of <math>60^\circ</math>. a) What type of triangle is it? b) Draw and label the flag using proper measurements. c) If each side of the flag is 12 cm, what is the total length of cloth needed for the border?</li> <li>Playground Planning A school is constructing a rectangular playground 30 meters long and 20 meters wide. a) What is the shape of the playground? b) Find the perimeter and area of the playground. c) Draw the layout and label the dimensions.</li> <li>Interior Design Task A tile shop sells tiles shaped like regular hexagons and squares. A designer wants to tile a room using both. a) Why are regular hexagons and squares good for tiling without gaps? b) Draw a pattern showing how they can be combined.</li> </ol> <p> B. Fun-Based Questions</p> <ol style="list-style-type: none"> <li>Polygon Riddle Time! Write a riddle about a triangle or quadrilateral. For example: "I have four sides, opposite sides are</li> </ol>	<p> Instructions for Students:</p> <ul style="list-style-type: none"> <li>Complete all tasks neatly in full scape sheets or a project file.</li> <li>Use a ruler, compass, protractor, and colored pencils.</li> <li>You may use graph paper for accuracy where required.</li> <li>Attempt all parts. Marks will be given for creativity, effort, and neatness.</li> <li>Parents may guide, but the work should reflect your understanding.</li> </ul>

equal, and all angles are right. What am I?"

(Write your own riddle and share it with your friends.)

2. Shape Hunt Challenge

Find at least 5 objects in your home or surroundings shaped like:

- Triangles
- Quadrilaterals
- Polygons

Draw or take photos (paste if possible), and label the type of shape.

3. Shape Puzzle!

Fill in the blanks:

a) A polygon with 3 sides is called a \_\_\_\_\_.

b) A quadrilateral with all sides equal and no right angles is a \_\_\_\_\_.

c) The sum of interior angles of a pentagon is \_\_\_\_\_ degrees.

d) A polygon with 8 sides is called an \_\_\_\_\_.

e) A triangle with one  $90^\circ$  angle is a \_\_\_\_\_ triangle.

☺ C. Activities

1. Shape Collage Project

Create a collage or drawing of a house, park, or classroom using different shapes:

- Triangle for roof
- Rectangle for doors
- Square for windows
- Polygons for decorations

Label all shapes. Be creative and use colors!

2. Tessellation Art

Use triangles, squares, or hexagons to create a repeating pattern (tessellation).

You may use graph paper or cut colored paper. Paste your design in your notebook and name the shapes used.

3. Polygon Property Table

Complete the following table:

Shape	No. of Sides	Regular/ Irregular	Angle Sum	Real-Life

	<table><tr><td></td><td></td><td></td><td></td><td>Example</td></tr><tr><td>Triangle</td><td></td><td></td><td></td><td></td></tr><tr><td>Square</td><td></td><td></td><td></td><td></td></tr><tr><td>Rectangle</td><td></td><td></td><td></td><td></td></tr><tr><td>Pentagon</td><td></td><td></td><td></td><td></td></tr><tr><td>Hexagon</td><td></td><td></td><td></td><td></td></tr></table>					Example	Triangle					Square					Rectangle					Pentagon					Hexagon					
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Science	<p>Topic: Uses of Elements in Daily Life</p> <p>Objective: To help students identify real-world applications of elements by exploring everyday objects at home or school.</p> <ul style="list-style-type: none"><li>● Draw or print a table with these columns:</li></ul> <table><tr><td>Element</td><td>Item found</td><td>Uses</td><td>Where was it found?</td></tr><tr><td>Iron</td><td>Nails</td><td>construction</td><td>Garage</td></tr></table>	Element	Item found	Uses	Where was it found?	Iron	Nails	construction	Garage	<p>Instructions:</p> <p>1.Choose Your Elements</p> <ul style="list-style-type: none"><li>● Select 5 elements from the periodic table.</li><li>● Example List:<ul style="list-style-type: none"><li>○ Aluminum (Al) – Foil, cans</li><li>○ Copper (Cu) – Wires, coins</li></ul></li></ul> <p>2. Hunt for Items</p> <ul style="list-style-type: none"><li>● Search your home, parks,malls, or local market for objects made of these elements.</li><li>● Tip: Ask parents/siblings for help!</li><li>● Use A4 sheets to complete the task.</li></ul>																						
Element	Item found	Uses	Where was it found?																													
Iron	Nails	construction	Garage																													
Social Studies	<p><u>Geography.</u></p> <p><u>Page:58-60</u></p> <p>Topic: The Problems of Large Cities</p> <p>Objective:</p> <p>To help students explore and understand the common problems faced by people living in large cities, and to encourage research, creativity, and problem-solving.</p>	<p>Instructions:</p> <ul style="list-style-type: none"><li>● Students will complete the following four activities.</li><li>● They can present their work in a scrapbook,</li></ul>																														

	<p>Activity 1: Research &amp; Write (Knowledge-Based)</p> <p>Title: What Makes a City “Large”?</p> <ul style="list-style-type: none"> <li>● Define a “large city” (use examples from Pakistan).</li> <li>● List 5 major cities in Pakistan and write 1 paragraph on why people move to large cities.</li> </ul> <p>Activity 2: Identify Problems (Understanding-Based)</p> <p>Title: Problems in Big Cities</p> <p>Choose any 4 of the following problems:</p> <ul style="list-style-type: none"> <li>● Traffic congestion</li> <li>● Air and noise pollution</li> <li>● Lack of clean water</li> <li>● Overpopulation</li> <li>● Garbage and waste management</li> <li>● High cost of living</li> <li>● Housing shortage</li> </ul> <p>For each problem:</p> <ul style="list-style-type: none"> <li>● Write a short paragraph explaining it.</li> <li>● Paste/draw a relevant picture or diagram.</li> </ul> <p>Activity 3: Creative Thinking (Conceptual-Based)</p> <p>Title: Be a City Planner!</p> <p>Imagine you are the mayor of a large city.</p> <p>Choose one major problem and write a short action plan to solve it. You may include:</p> <ul style="list-style-type: none"> <li>● What causes the problem</li> <li>● What steps you would take</li> <li>● How citizens can help</li> </ul> <p>(Use drawings, mind maps, or posters to present.)</p> <p>Activity 4: Interview or Observe</p> <p>Title: What Do People Say?</p> <ul style="list-style-type: none"> <li>● Ask 2 adults (parents, neighbors) what problem they face most in the city.</li> <li>● Write their answers in your own words.</li> <li>● Add your opinion: “Do you agree? Why or why not?”</li> </ul>	<p>presentation, or neatly arranged project file.</p>
Computer Studies	<p>Topic: Computational Thinking (Grades 7 &amp; 8)</p> <p>Guidelines:</p>	<p>Presentation: Use A4-sized assignment sheets for all</p>

	<p>1. My Morning Algorithm  Prompt with blank steps: “Step 1: _____, Step 2: _____...”</p> <p>2. Make a Sandwich Flowchart  Flowchart template with boxes/arrows to fill in.</p> <p>3. Fix the Algorithm  A scrambled version of a task (e.g. tying shoelaces) — students reorder.</p>	<p>work. Write neatly with a blue pen. Label each sheet with name, class, section, roll number, and topic.  Organization: Complete tasks week-wise and arrange them in Computer Subject File. Staple or clip sheets in order before submission</p>
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