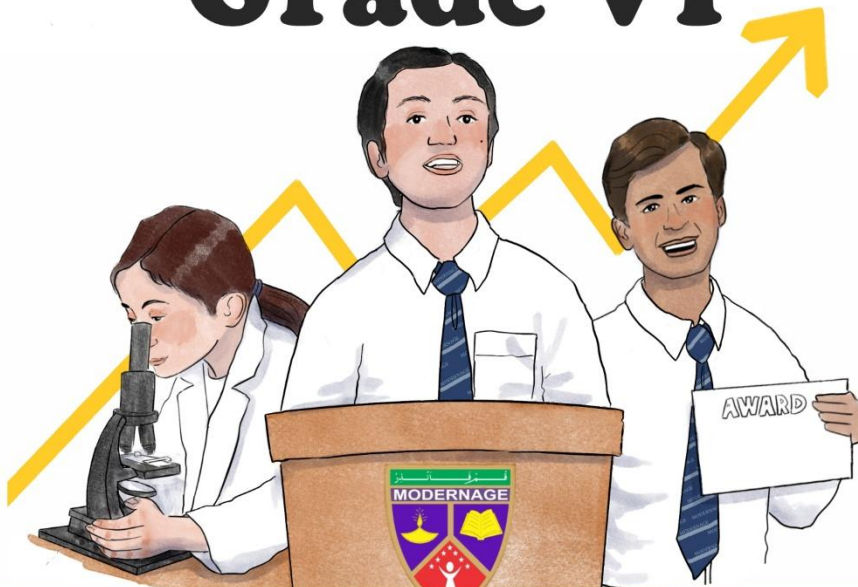


MODERNAGE

Public School & College, Pakistan

A Place to Flourish, Thrive & Shine

Grade VI



Summer Homework

Modernage Public School & College, Pakistan

Homework for Summer Break

Grade VI-Session 2026-27

Dear Parents and Young Learners,

As we wrap up an incredible first term filled with discovery and growth, we celebrate the curiosity, creativity, and kindness our Grade VI students have shown. Summer break is a magical time to relax, explore, and let newfound knowledge blossom. To keep young minds engaged and excited about learning, we've crafted special summer assignments that blend fun with foundational skills, setting the stage for a brilliant Term II ahead!

Purpose of the Homework

- To reinforce core concepts from previous grades and introduce selected themes from the Grade VI curriculum.
- To nurture independent learning, critical thinking, and curiosity.
- To help students develop time management and self-discipline through structured yet enjoyable tasks.

What to Expect

- Engaging and purposeful assignments across major subjects designed to be both challenging and fun.
- Activities that promote reading, exploration, and hands-on learning.
- A chance for students to reflect, discover, and prepare for the exciting year ahead.

Parental Support Matters

We warmly invite parents to become partners in their child's learning. Encourage your child to:

- Maintain a balanced daily routine (study, rest, play, and quality family time).
- Keep a summer reading journal to fuel imagination and build language skills.
- Celebrate small milestones with words of encouragement and appreciation.


Summer Vacation Schedule

- **Summer Vacations are starting from Thursday 25th June to Sunday 2nd August 2026.**
- **School will reopen on Monday 3rd August 2026.**

Homework Submission

All summer homework must be **submitted on the reopening day, Monday, 28th July 2025.**

As we step into this summer break, we wish our students a **joyful, safe, and enriching holiday** filled with laughter, learning, and memorable moments. Let this break refresh their minds and hearts, and prepare them for a brilliant start to the new academic session.

➔  Homework details can be found on www.maps.edu.pk, the **school portal**, and the **Modernage app**. We look forward to seeing you back; rested, inspired, and ready to shine.

Warmest regards,
Academic Coordinator

Note: Use loose sheets to complete the homework

1. English

Question 1: Directed Writing

Write a descriptive essay about your favorite place to relax.

Describe the place using all five senses (sight, sound, smell, touch, taste).

Include details such as:

- Where is it?
- What does it look like?
- Why do you love spending time there?
- How do you feel when you're there?

Question 2: Composition

Write a short story titled: "The Disappearing Door."

Begin with this line:

"It was just a wall yesterday, but today a door had suddenly appeared."

Develop a thrilling story about this door, where it leads, what mystery it holds, and what happens next.

Possible titles:

- *The Secret Passage*
- *Behind the Door*
- *Journey to Nowhere*

Question 3: Formal Writing

Imagine you are a student concerned about the lack of a school library.

Write a **formal letter to your principal** requesting the establishment of a school library.

Mention the importance of books, quiet study space, and reading habits.

Suggest possible ideas like book donations, student volunteers, and reading hours.

Structure:

- Greeting (e.g., Respected Principal,)
- Introduction of the issue
- Reasons and benefits
- Suggestions
- Polite closing

Question 4: Grammar Practice

1. Rewrite in Passive Voice:

The teacher gave the students a surprise test.

2. Correct the Verb Tense:

I eat lunch at 2 pm yesterday.

3. Identify the Pronoun Type:

That is mine, not yours.

4. Add Proper Punctuation:

wait the bell just rang

5. Choose the Correct Verb Form:

The baby ___ every morning at 6.

(a) cry (b) cries (c) crying

6. **Rearrange into a Proper Sentence:**
on the roof the cat is sleeping
7. **Rearrange into a Proper Sentence:**
on the roof the cat is sleeping
8. **Identify Subject and Predicate:**
My little brother loves chocolate.
9. **Use a Comparative Adjective:**
This road is narrow. That one is _____.
10. **Correct the Irregular Verb:**
She dranked all the milk.
11. **Choose the Correct Possessive Pronoun:**
Is this pencil ___?
(a) his (b) him (c) he

Question 5: Vocabulary Practice

a) Meaning in Context: Synonyms

1. Replace "cold" in the sentence:
The weather was very _____ during the trip.
2. Find a synonym for "funny" and complete:
That movie was so _____, I laughed out loud.
3. Replace "strong" in the sentence:
He has very _____ arms from lifting boxes.
4. Find a synonym for "angry" and complete:
She was _____ when her bike was stolen.
5. Replace "sad" in the sentence:
He felt _____ after losing his toy.

b) Homophones

1. Choose the correct homophone:
We saw a big _____ in the forest.
(a) bear (b) bare
2. Fill in the blank:
They will _____ the match tomorrow.
(a) see (b) sea
3. Choose the correct one:
He hurt his _____ playing football.
(a) heel (b) heal
4. Use the right homophone:
The knight rode into the dark _____.
(a) night (b) knight
5. Complete the sentence:
Please _____ your name on the form.
(a) write (b) right

Question 7: Spelling List: Practice these challenging and useful words:

1. obtain	11. required	21. embellish	31. accommodation	41. algebra
2. unquestionably	12. warrant	22. morality	32. embarrassment	42. algorithm
3. advanced	13. pleasure	23. pneumonia	33. cuisine	43. iteration
4. humiliate	14. juncture	24. hierarchy	34. supersede	44. thoughtful
5. conservation	15. similar	25. impish	35. disappointed	45. mitochondria
6. dispersed	16. beat	26. dilemma	36. committee	46. electromagnetic
7. cafeteria	17. inclusive	27. millennium	37. parallel	47. abstraction
8. February	18. crust	28. mediterranean	38. possession	48. chromosome
9. Wednesday	19. emptiness	29. entrepreneur	39. definitely	49. chlorophyl
10. attractive	20. movement	30. sincerely	40. exaggeration	50. hemoglobin

Question 8: Reading Buddy Task

Level 17-20 – Assigned Reading Books:

Please read the following **Level 17-20** books and complete their quizzes:

- Cederberg Adventure by Maya Fowler: Level 18
- Dirk of Swampy Hollow by Emma Barnes: Level 18
- Could This Be You? How to Catch your Dream Creative Job by Ali Sparkes: Level 20
- Crete: Land of Legends by Becca Heddle: Level 20
- Don Quixote by Sally Prue (original story by Miguel de Cervantes): Level 19
- Fantastic Jobs and How to Get Them by Isabel Thomas: Level 17

2. Geography

Question 1: The Great World Map Challenge!

Activity Name: “Where in the World?”

Take a chart paper and sketch a full world map (don't worry—neatness over perfection!).

Label all continents and all oceans clearly.

Now here's the fun part—name and label at least 90 countries across the map!

Use colors, flags, drawings, or even tiny stickers to make your map eye-catching!

☞ Did you know? There are 195 countries in the world today! How many can *you* name?

Question 2: Forest Detectives!

Activity Name: “Whispers of the Woods”

Read Chapter 4: Forests of the World from your Geography textbook.

Make notes while reading. Write down any key terms you find (like rainforest, deforestation, etc.).

Then write a summary of Chapter 4, topic-wise on loose sheets. Make sure you include:

- Types of forests
- Importance of forests
- Threats to forests
- How forests are being protected

Question 3: Nature's Fury!

Activity Name: “When the Earth Roars”

Explore and research at least 3 major natural disasters that occurred after the year 2000. You can choose earthquakes, tsunamis, floods, hurricanes, or wildfires.

For each disaster, mention:


- What happened?
- Where did it happen?
- Why do scientists think it happened?
- What was the effect on people and the environment?

Try to link these disasters to climate change or human activities (like cutting forests or building too much). Present your findings in a mini-report or a small scrapbook style!


Question 4: Watch, Learn, and Wonder!

Activity Name: “Geography at the Movies”

This summer, explore Geography through videos and websites! Pick one or more of these options:

 **Website to Explore:**

<https://earth.google.com> – Take a virtual tour around the planet. Visit countries, zoom into volcanoes, forests, rivers, and cities!

 **Series to Watch:**

“**Our Planet**” – Available on Netflix. Narrated by Sir David Attenborough, this beautiful series shows different regions of the world and how they are changing.

National Geographic Kids (YouTube) – Search for videos about *natural disasters, oceans, and amazing animals*.

After watching, write 5 new facts you learned and which episode or place was your favorite (and why!).

3. History

Question 1: Legends Who Ruled the World

Activity Name: “Time Travel with Titans”

Your mission: Research any 3 out of these 5 great ancient rulers:

- Cyrus the Great (Persian Empire)
- Darius I (Persian Empire)
- Alexander the Great (Greek Empire)
- Ashoka the Great (Mauryan Empire)
- Julius Caesar (Roman Empire – Bonus!)

Find out:

1. When and where did they rule?
2. What made them great leaders?
3. What were their most famous achievements?
4. One fun or surprising fact about them!

Present your research as a mini-booklet with drawings, timelines, or even speech bubbles of what they might say if they were alive today!

Question 2: Dive into the Ancient World

Activity Name: “Pages from the Past”

Read Chapter 3: Persians, Greeks, and Romans from your history textbook.

On loose sheets, write a topic-wise summary. Be sure to include:

- The Persian Empire
- The Greek City-States and culture
- The rise of the Roman Empire
- Comparison among the three civilizations (a few lines)

Question 3: Watch & Wonder!

Activity Name: “History on Screen”

Watch any one of the following and enjoy learning through stories:

Suggested Videos/Series:

1. Crash Course: World History (YouTube – pick beginner-friendly episodes like Greeks, Persians, or Ashoka)
2. National Geographic: Ancient Civilizations – Short but informative documentaries

After watching, write a few lines:

- What did you watch?
- What new thing did you learn?
- Would you recommend it to a friend? Why?

4. Science

Question 1: Vocabulary Builder

Task: Create a vocabulary list from each of the following chapters.

Write down at least 20 important words from each chapter and find their meanings using your book or dictionary or the web.

Chapters: Chapter 3, Chapter 4, Chapter 7, Chapter 8, Chapter 10, Chapter 11:

Use separate loose sheets to write these words neatly with short meanings.

Question 2: Hands-On Science Projects

a) Project: Solar Oven (Reference: Page 159 of Science book)

Objective: Make a simple solar oven using a pizza box or shoe box to convert solar energy into heat energy.

Materials you can use:

Cardboard box, Aluminium foil, Cling film or plastic sheet, Black chart paper, Tape and scissors, a stick or straw to hold the lid, Marshmallows or chocolate to test it!

Bring your model to school.

b) Project: Electric Bell Circuit (Reference: Page 161 of Science book)

Objective: Assemble a basic electric circuit to demonstrate **how an electric bell works**.

Materials you can use:

Battery (cell), wires, small bell or buzzer, switch, iron strip or electromagnet, cardboard or wooden base

Question 3: Research Task – Dwarf Planets; (Reference: Page 142)

Task: Create a small informative booklet about Dwarf Planets.

Include:

- Definition of dwarf planets
- Names of known dwarf planets (like Pluto, Eris, Ceres, Haumea, Makemake)
- Where they are found in our solar system
- How they are different from main planets
- 3 interesting facts for each

Add images, diagrams, or fun facts to make your booklet colorful and engaging.

Question 4: Chapter Summary – Energy

Task: Read Chapter 8: Energy carefully.

Write a summary note in your own words, explaining:

- What is energy?
- Types of energy (like kinetic, potential, solar, heat, sound)
- Sources of energy (renewable and non-renewable)
- Uses of energy in daily life
- Importance of saving energy

Question 5: Watch & Learn – Separation Techniques

Watch educational videos related to the following science concepts:

- **Solution Making**
 - **Separation Techniques**, including: Filtration, Evaporation, Condensation, Distillation, Chromatography, Sublimation,

After watching, write short notes (2–3 lines) on how each process works, what materials it separates, and real-life examples. You may use YouTube, your online science platform, or ask your teacher for recommended videos.

5. Computer

Question 1: MS Word Activity

Task: Open **MS Word** and write a short story titled:

“How Can Tom Use YouTube?”

Your story should explain:

- How Tom can open YouTube using a browser.
- What kind of videos he can search (e.g., cartoons, science experiments, art tutorials)?
- How he should use YouTube safely and responsibly.

✓ **Checklist for Word Document Formatting:**

Requirement	Done (✓)
Title: "How Can Tom Use YouTube?" – Bold, Font Size 14, Centered	
Main text in Times New Roman , Font Size 12	
Text should be justified (aligned on both sides)	
No spelling or grammar mistakes	
Use paragraphs (at least 2–3) to break the story	
Add a footer with your Name & Grade	
Save the file with name: Tom_YouTube_YourName.docx	

Send this file as an email attachment to: kanwal.jamshed@maps.edu.pk

Question 2: PowerPoint Activity

Task: Make a PowerPoint presentation titled:

"Components of a Computer"

Include the **main parts of a computer** with text and images.

✓ **Checklist for PowerPoint Presentation:**

Slide No.	Requirement	Done (✓)
Slide 1	Title Slide – "Components of a Computer" Your Name & Grade; Make it neat and bold	
Slide 2	Input Devices (e.g., keyboard, mouse); Add relevant pictures	
Slide 3	Output Devices (e.g., monitor, printer); Use short and clear text	
Slide 4	CPU and Memory ; Explain with images	
Slide 5	Storage Devices (e.g., hard drive, USB); Explain with images	

Email this file as well to: kanwal.jamshed@maps.edu.pk

6. MATH

Question 1: Simplify the following

- $0.13 - [17 - \{0.5 + 1.3 - (40 \div 2 \times 7)\}]$
- $36 - [18 - \{-14 + (-16 - 4 \div 2 \times 5)\}]$
- $(-52 - 42) \div \{9 + (-5 \times -8) \div 4 - 3\}$

Question 2: Find the square of the following numbers

- 23
- 75
- 35
- 21

Question 3: Write "tests of divisibility" from page 48.

Question 4: Find the HCF of the following using division method and by prime factorization

- 36, 54, 108
- 102, 595, 357

Question 5: Find the LCM of the following by using prime factorization and by division method

- 5445, 9317
- 427, 1159, 1281, 3416

Question 6: The product of two numbers is 3000. If their HCF is 10, find their LCM.

(Hint: $LCM \times HCF = \text{Product of two numbers}$)

Question 7: Add the following

- $a + b - c$, $3a + b - 2c$
- $m^2 + mn + n^2$, $2m^2 - 3mn + 4n^2$, $-m^2 + mn - 2n^2$

Question 8: Subtract

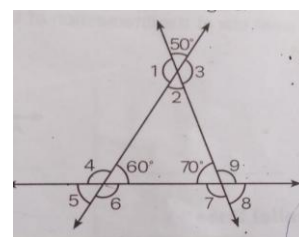
- $2a + 3b$ from $7a + 8b$
- $3a - b + c$ from $4a + 2b - 3c$

Question 9: Simplify

- $5a - [3b - \{4a - (5b - 6a - 7b)\}]$
- $ab - [bc - \{ca + ab + (bc - ca - ab)\}]$

Question 10: Find the 15th term of the sequence, when the rule is $5n - 3$.

Question 11: Find the sizes of the angles marked from $\angle 1$ to $\angle 9$ in the figure



Question 12: Write the order of rotational symmetry of all the letters in your name.

Question 13: Write all the definition of angles given on (page 137, 138, 139) with examples.

Question 14: Find the value of

(i) $500 \times 92 + 8 \times 500$ (ii) $240 \times 65 - 35 \times 240$

Question 15: The Greek mathematician Eratosthenes was born in 276 BCE and died in 194 BCE. How long he lived?

Question 16: Find the difference of the square of 65 and the square of 45.

Question 17: Find the greatest number which divides 2300 and 3500 leaving 32 and 56 respectively as remainder.

Question 18: Find two numbers between 100 and 150 with HCF 24.

Question 19: The product of two numbers is 2400. If their LCM is 12, find their HCF.

Question 20: if $x = -3$, $y = 5$ and $z = -2$, evaluate the following

(i) $\frac{2x+y-z}{x-3y+z}$

(ii) $\frac{x(2y+3z)}{3zx}$

(iii) $x^3 + 3xyz - y^3 + z^3$

Question 21: Subtract $a^2 - a + 1$ form the sum of $-a^2 + 2a + 3$ and $3a^2 - 4a + 5$.

Question 22: Write down the first five terms of the sequence produced by the given rule

(i) nth term = $2n - 1$

(ii) nth term = $6n - 3$

(iii) nth term = $4n - 4$

Question 23: Write the sizes of the supplements of the following angles

(i) 0°

(ii) 180°

(iii) 100°

(iv) 80.5°

Question 24: If two lines make an angle of $\frac{2}{5}$ right angle, calculate the reflex angle between them.

Question 25: Write the sizes of the complements of the following angles

(i) 90°

(ii) $\frac{1^\circ}{2}$

(iii) $10\frac{1^\circ}{2}$

7. Arts

Question no. 1: Create a multi-artwork portfolio (3–4 pieces) exploring any four of the following techniques/themes:

- Cut and Paste Art (collage)
- Impressionism-style quick painting
- Kusama-inspired Pumpkin Art
- Truck Art (vibrant folk vehicle painting)
- Calligraphy (beautiful letterforms)
- Poster Making (Theme: 10th May, 2025)
- Mosaic Art (using small pieces to form a larger image)

You may mix styles—e.g., a poster with calligraphy, a mosaic collage, or an impressionist calligraphy piece.

Questions to answer along with your artwork:

1. **Cut-and-Paste / Collage:**

Describe how you selected your materials (e.g., paper scraps, fabric, magazine clippings).

How did layering, texture, and color choices help your design? What was the most challenging material to incorporate, and why?

2. **Kusama Pumpkin / Polka-dot Art:**

What makes Yayoi Kusama's pumpkins and dot patterns unique? Describe your dot-pattern

strategy—did you repeat colors or shapes? What mood or feeling did you aim for, and how did the dots help create that?

3. **Impressionism-inspired Painting:**

Impressionist artists capture light and quick impressions. What subject did you choose, and how did you convey light or mood with quick strokes or colors? Did you mix colors directly on paper?

4. **Truck Art / Mosaic Art / Poster / Calligraphy (choose one):**

- Truck Art: Pakistani truck art is full of bright colors and patterns. How did you decide on your color palette and motifs? What story or symbol did you include, and why?"
- Mosaic Art: Explain your choice of tiles or cut pieces. How did you plan the layout to ensure the final image is clear from a distance? Any interesting pattern challenges?
- Poster Making: What message is your poster conveying? Who is your audience? Describe how you balanced visuals, title, and information to grab attention.
- Calligraphy: Which alphabet or calligraphy style did you learn? What strokes, tools, and spacing did you practice? What word or phrase did you choose, and what feeling does it evoke?

5. **Reflection & Presentation:** Looking at all your artworks, what do they have in common? What new skills did you discover? Which piece was your favorite and why? What advice would you give someone starting a similar project?

0 Submission Guidelines:

- Prepare artworks on A4 or larger paper.
- Attach question responses next to/on each piece or write them in a booklet.
- Add your name, title for each artwork, and date.
- Optionally, photograph all artworks together and label each digitally.

8. **مضمون: اردو**

سوال نمبر 1: مندرجہ ذیل موضوعات پر مضامین لکھیں۔

1- جدید تعلیم میں ٹیکنالوجی کا کردار
2- استاد کا مقام

سوال نمبر 2: مندرجہ ذیل عنوانات پر طبع ذاد کہانیاں لکھیں۔ (طبع ذاد سے مراد خود کہانی تخلیق کرنا)

(نوٹ: طبع ذاد کہانی سے مراد خود کہانی بنانا اور تحریر کرنا ہے، طلباء اپنی کہانیاں خود بنائیں اور تحریر کریں)۔

1- جھوٹ کا انجام بُرا
2- لالچ بُری بلا ہے

سوال نمبر 3: گرمیوں میں سکول کے اوقات کار تبدیل کرنے کے لیے اپنے سکول کے پرنسپل صاحب کو درخواست لکھیں۔

سوال نمبر 4: نظم یہ میرا وطن، میرا وطن، میرا وطن سے مرکبات کی نشان دہی کریں۔

سوال نمبر 5: سبق 'عرب بچے' اور 'حکیم محمد سعید' پڑھ کر آئیں۔

سوال نمبر 6: پانچ ذومعانی الفاظ کے جوڑے اور ان کے جملے لکھیں۔

سوال نمبر 7: پانچ محاورات اور پانچ ضرب الامثال جملوں میں استعمال کریں۔

9. **مضمون: اسلامیات**

سوال نمبر 1: اسلام میں عبادت کا کیا تصور ہے؟ تفصیل سے لکھیں۔

سوال نمبر 2: آپ ﷺ سے محبت اور اطاعت کے تقاضے کیا ہیں؟ سرخیوں کے ساتھ تحریر کریں۔

سوال نمبر 3: بحیثیت طالب علم آپ رفاہ عامہ کے لیے کیا کر سکتے ہیں؟ تفصیل سے لکھیں۔

سوال نمبر 4: غزوہ بدر کے متعلق کاپی پر خاکہ بنائیں جس پر تمام معلومات درج کریں۔

سوال نمبر 5: روزمرہ کے معاملات میں کی جانے والی نیکیوں (مثلاً: والدین کی خدمت، امی کا ہاتھ بٹانا، پرندوں کو دانہ دینا، کمرہ صاف کرنا) کو درج

کریں، اور تحریر کریں کہ آپ نے ماہ تعطیلات کے دوران یہ نیکیاں کتنی بار انجام دیں۔