

Modernage Public School & College, Abbottabad
Homework for Winter Break Class Six
Session 2024 – 25

Dear Parents/Guardians

Finally, Winter is here, signaling the end of the Academic session 2023 and start of a winter break.

We take great pleasure in announcing the successful culmination of the academic session 2023. Observing the continuous development and advancement of your child has been a source of immense satisfaction. To foster ongoing engagement with education during the holiday period, we are providing a comprehensive work pack comprising a multitude of enjoyable tasks and intellectually stimulating activities. Thank you for being an integral partner in your child's education. We eagerly anticipate another year of mutual growth and learning.

Dear Modernites!

Reflect on the achievements and lessons learned during the previous academic session. Complete the assigned exercises in your respective subjects, embracing the knowledge gained. Take a moment to chill and recharge during this winter break. Use the new year as a fresh start for academic goals and personal growth. Ensure neatness and organization in your work. We hope that you have cheerful and safe Winter vacation with your families.

The school will remain closed for winter vacation from **Sun, 24th December, 2023 till Sun 03rd March, 2024** and reopen on **Mon 04th March, 2024 In Sha Allah.**

Submit the completed assignment till 10th March 2024.

Looking forward to your cooperation. A copy of this homework is also available at the official webpage www.maps.edu.pk, the portal and app of Modernage.

Best Regards

Academic Coordinator

Happy New Year.

Note: Certificates will be awarded for extra ordinary efforts and complete homework. Each task carries 10 marks. Please use loose sheets for your assignments.

Note for the Students:

1. Read at least 2 story books of English and Urdu to enhance the reading skills and write the central idea and review of them. Write at least 50 new words from the story books that you have read.
2. Recite any poem with action from your book, make a video and share with your teacher.
3. Learn and write multiplication tables from 2 – 16 up to 12 times. Write each table 3 times on loose sheets.
4. Take a few pictures from newspapers or magazines about environmental issues. Cut and paste those pictures on blank sheets. Write suggestions about what will be your contribution towards resolving those issues.
5. Make sure to write one page in cursive every day. Learn the basic strokes using the link provided. https://youtu.be/6W4cfuvwsg0?si=LsubKr_viBn1CQPX

Q1. Book Reading:

Read the following books and attempt activities.

1. a) Charlotte's Web" by E.B. White:

Task 1: Reading Comprehension: After each chapter, summarize what happened. Write about the main events, characters, and any surprises in the story.

Task 2: Character Analysis: Choose a character (e.g., Wilbur, Charlotte) and discuss their traits, motivations, and how they change throughout the book.

Task 3: Vocabulary Building: Create a list of new words encountered during reading. Look up their meanings and use any 20 words in sentences.

b) "Matilda" by Roald Dahl:

Task 1: Predictions: Before starting each chapter, predict what might happen next based on the title and previous events. Just write 2 to 3 sentences about this task.

Task 2: Book Review: After finishing the book, write a short review. Include your favourite part, favourite character, and why you would recommend the book to a friend.

Task 3: Creative Writing: Write an alternate ending to the story. What if Matilda's life took a different turn?

Q2. Comprehension:

Read the passage below and answer the questions that follow.

In winter, many animals hibernate to survive the cold. Hibernation is a state of inactivity where an animal's metabolic rate slows down significantly. This helps them conserve energy when food is scarce. Bears, snakes, and some rodents are common hibernators. During hibernation, the animal's body temperature drops, and it enters a deep sleep.

1. Problem-Solving: If you were tasked with designing a safe and comfortable hibernation space for animals in a zoo, what features would you include to mimic their natural habitats? How might you address potential challenges to ensure the animals' well-being during hibernation?
2. Critical Analysis: Why do you think some animals choose to hibernate in winter instead of staying active? How does slowing down their metabolic rate help them survive in the cold?
3. Comparative Thinking: Compare and contrast the hibernation strategies of bears, snakes, and rodents. How are their ways of preparing for winter hibernation similar or different?
4. Predictive Thinking: Imagine you are exploring a forest and find a new animal you've never seen before. What signs or clues would make you think this animal might hibernate in winter? How could you find out for sure?
5. Extension of Knowledge: Can you find out about another animal that hibernates during winter that is not mentioned in the passage? How does this new animal's hibernation compare to bears, snakes, and rodents?

Q3. Explain the following proverbs. In which situation are they used?

- i. All that glitters is not gold.
- ii. Don't count your chickens before they hatch.
- iii. Every cloud has a silver lining.
- iv. Don't put all your eggs in one basket.
- v. Actions speak louder than words.

Q4. Write a paragraph on any one of the following topics:

- a) Write a short story about a magical winter adventure.

OR

- b) Describe your favourite winter activity and why you enjoy it.

Q5. Translate into Urdu:

- i. The icicles were hanging from the roof.
- ii. Winter is my favorite season because of the snow.
- iii. We went sledding down the hill.
- iv. Hot chocolate is a popular winter drink.
- v. I love wearing warm sweaters in the cold weather.

Q6. Listen to the audio provided on the given link and try to complete the given task.

<https://learnenglish.britishcouncil.org/general-english/audio-series/big-city-small-world/series-1/episode11-im-an-architect>

Task: 1

Statement	True	False
Magda got the job.		
The salary is good.		
Harry usually remembers people's jobs.		
Sarah has recently rented a new flat.		
Fadi's cousin wants to talk about Sarah.		
Sarah receives rent.		

Task: 2

I'm looking for a new _____ as an _____. I'm not happy with the _____.

I _____ for now. They don't value my _____ and they don't offer me any _____.

My _____ is not bad but I think I should be _____ more.

Task: 3

- i. Did you _____ the job?
- ii. I'm afraid I'll _____ my job if I am late again this week.
- iii. I've _____ lots of experience in accounting.
- iv. You'll have to _____ carefully.
- v. Are they _____ you a good salary?
- vi. I've _____ some of her drawings-they're great.

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Spelling Bee list

- | | | |
|---------------------|--|--|
| 1. accede | | |
| 2. accelerate | | |
| 3. acceleration | | |
| 4. accidentally | | |
| 5. acclimatised | | |
| 6. accompanied | | |
| 7. accumulate | | |
| 8. accuse | | |
| 9. accustomed | | |
| 10. acquittal | | |
| 11. adaptation | | |
| 12. adjourn | | |
| 13. adventure | | |
| 14. aesthetic | | |
| 15. afterward | | |
| 16. alleviation | | |
| 17. alliteration | | |
| 18. amphibian | | |
| 19. anachronism | | |
| 20. analysis | | |
| 21. ancestors | | |
| 22. ancestry | | |
| 23. anthropology | | |
| 24. apostrophe | | |
| 25. aqueous | | |
| 26. archipelago | | |
| 27. aromatic | | |
| 28. arsonist | | |
| 29. athlete | | |
| 30. attractive | | |
| 31. auspicious | | |
| 32. authentic | | |
| 33. awkward | | |
| 34. banished | | |
| 35. beneficial | | |
| 36. besought | | |
| 37. bewildered | | |
| 38. bisectors | | |
| 39. bizarre | | |
| 40. blacksmith | | |
| 41. blonde | | |
| 42. bronchioles | | |
| 43. bureaucracy | | |
| 44. cayenne | | |
| 45. Christmas | | |
| 46. cigarette | | |
| 47. circumstances | | |
| 48. citizenship | | |
| 49. cloaked | | |
| 50. cockerel-crow | | |
| 51. colloquial | | |
| 52. conceiving | | |
| 53. concurrent | | |
| 54. consciousness | | |
| 55. constellation | | |
| 56. contemporary | | |
| 57. contours | | |
| 58. corresponding | | |
| 59. crevasse | | |
| 60. crusaders | | |
| 61. crystallization | | |
| 62. culprit | | |
| 63. demolish | | |
| 64. demonstrative | | |
| 65. devotional | | |
| 66. diagnosis | | |
| 67. dilemma | | |
| 68. disjoin | | |
| 69. distinguishing | | |
| 70. distributive | | |
| 71. drenched | | |
| 72. dwindled | | |
| 73. elicit | | |
| 74. eliminate | | |
| 75. elliptical | | |
| 76. embarrass | | |
| 77. eminent | | |
| 78. emphasized | | |
| 79. employee | | |
| 80. emulate | | |
| 81. enable | | |
| 82. encode | | |
| 83. encyclopedia | | |
| 84. endothermic | | |
| 85. enduring | | |
| 86. engineer | | |
| 87. enigmatic | | |
| 88. enslave | | |
| 89. equilibrium | | |
| 90. equipping | | |
| 91. escorted | | |
| 92. eternity | | |
| 93. evanescent | | |
| 94. evident | | |
| 95. evolutionary | | |
| 96. exaggeration | | |
| 97. excelled | | |
| 98. exclude | | |
| 99. executing | | |
| 100. exemplary | | |
| 101. expedition | | |
| 102. ferrying | | |
| 103. fluorescent | | |
| 104. foliage | | |
| 105. fractured | | |
| 106. fragile | | |
| 107. frequency | | |
| 108. goldsmith | | |
| 109. grammar | | |
| 110. grievance | | |
| 111. guarantee | | |
| 112. haemoglobin | | |
| 113. harass | | |
| 114. harpsichord | | |
| 115. havoc | | |
| 116. hazardous | | |
| 117. hazier | | |
| 118. heaped | | |
| 119. hesitate | | |
| 120. horrify | | |
| 121. hospital | | |
| 122. humid | | |
| 123. humility | | |
| 124. hygiene | | |
| 125. hyphen | | |
| 126. illegal | | |
| 127. incandescent | | |
| 128. incredible | | |
| 129. indigenous | | |
| 130. individual | | |
| 131. inevitability | | |
| 132. influence | | |
| 133. informant | | |
| 134. infrastructure | | |
| 135. inherit | | |
| 136. innocence | | |
| 137. innocent | | |
| 138. innovator | | |
| 139. instinctively | | |
| 140. instructor | | |
| 141. intelligent | | |
| 142. Interpretation | | |
| 143. interruption | | |
| 144. introduction | | |
| 145. involvement | | |
| 146. irreversible | | |
| 147. jealousy | | |
| 148. jostle | | |
| 149. judgment | | |
| 150. juncture | | |
| 151. jurisprudence | | |

152.	juvenile	202.	Palette	252.	ridge
153.	kangaroo	203.	pamphlet	253.	Scandinavian
154.	kerosene	204.	pamphlet	254.	scattered
155.	kettle	205.	panicked	255.	scrupulous
156.	kindergarten	206.	panting	256.	secretary
157.	kindling	207.	Paprika	257.	seize
158.	knitting	208.	partial	258.	septicaemia
159.	knowledge	209.	peninsulas	259.	simile
160.	labelling	210.	perished	260.	smudge
161.	laboratory	211.	perpendicular	261.	sootier
162.	laborious	212.	personification	262.	souvenir
163.	lamentable	213.	phenomenally	263.	spectacular
164.	landslide	214.	philanthropy	264.	sponsored
165.	language	215.	pickpockets	265.	sprawled
166.	lethal	216.	pirouetting	266.	staggering
167.	leukaemia	217.	pledge	267.	stirring
168.	liberating	218.	poignant	268.	stoical
169.	library	219.	political	269.	succulent
170.	liquidation	220.	poltergeist	270.	supply
171.	listlessly	221.	posture	271.	suspended
172.	literature	222.	precarious	272.	suspicious
173.	logical	223.	predecessor	273.	sustainability
174.	maintenance	224.	presage	274.	swerved
175.	management	225.	privilege	275.	tableaux
176.	masonry	226.	pronunciation	276.	therapeutic
177.	maternal	227.	prosaic	277.	thrashed
178.	metaphor	228.	prosthetic	278.	trachea
179.	meticulous	229.	prostrate	279.	traitor
180.	miscellaneous	230.	protagonist	280.	transferred
181.	munching	231.	protocol	281.	trapezium
182.	musketeers	232.	psychology	282.	traumatic
183.	muttering	233.	puddle	283.	traumatized
184.	negotiate	234.	pulmonary	284.	tremendous
185.	neurotransmitter	235.	puny	285.	trigonometry
186.	nibble	236.	putter	286.	triumphant
187.	notorious	237.	Pyramid	287.	tsunami
188.	nourishment	238.	quadratic	288.	vaccinate
189.	obituary	239.	qualified	289.	vehicle
190.	oblong	240.	quantity	290.	velocity
191.	obstacles	241.	queue	291.	vocabulary
192.	obviously	242.	quotation	292.	vulnerable
193.	occasioned	243.	rabid	293.	whirring
194.	oppression	244.	ransack	294.	wreckage
195.	optimistic	245.	rapport	295.	wretchedness
196.	ordinate	246.	raspberry	296.	xylem
197.	organization	247.	reasonable	297.	zesty
198.	ostentation	248.	receipt	298.	zombie
199.	outstretched	249.	recline	299.	zoology
200.	overwhelmed	250.	renaissance	300.	zygote
201.	palette	251.	rhombus		

سوال نمبر ۱: کسی ایک عنوان پر مضمون تحریر کریں۔

i۔ یوم دفاع ii۔ ایک دلچسپ سفر iii۔ بجلی کی ایجاد کیسے اور کب ہوئی اور ملکی ترقی میں بجلی کا کیا کردار ہے؟

سوال نمبر ۲: شہری اور دیہی زندگی کے درمیان کم از کم ۱۵ سطروں پر مشتمل تقابلی جائزہ پیش کریں۔

سوال نمبر ۳: تشبیہ اور استعارہ کی تعریف کریں اور تین شعری اور تین نثری مثالیں دیتے ہوئے ان کی وضاحت کریں۔

سوال نمبر ۴۔ فعل کی اقسام بلحاظ معنی لکھیں اور مثالوں سے وضاحت کریں۔

سوال نمبر ۵: علامہ محمد اقبال کی کوئی سی دو نظمیں پڑھ کر ان کا مرکزی خیال تحریر کریں۔

سوال نمبر ۶: دیے ہوئے لنک کو استعمال کرتے ہوئے احمد حاطب کی نظم سن کر نظم کا خلاصہ تحریر کریں۔

<https://www.youtube.com/watch?v=YU6zMgt7Edo>

Q1.i. Find the HCF of the following by using prime factors:

a). 516, 1935 and 3000 b). 735 and 1155

ii. Calculate the LCM of the following by the method of division:

a). 16, 24, 30, and 36 b). 36, 54, 72, 96, 108

iii. The product of two numbers is 2400. If their LCM is 120, find their HCF.

Q2.i. Mr Imran has a monthly income of Rs 20,000 and expenditures of Rs 18,500 per month. Find the ratio of his savings to his income.

ii. The ratio of two quantities is 3 : 9. if the first quantity is 96, find the other.

iii. Find the continued ratio for 4 : 9 and 9 : 12.

Q3.i. There are 500 students in a school in which 35% are girls. Find the difference between the numbers of boys and girls.

ii. Mr Shahmir saves 8% of his monthly salary. If he gets Rs 70,000 per month, how much does he save every month?

iii. Find the rate per cent in each case:

a). Rs 90 out of Rs 1800

b) 89.55m out of 2985m

Q4.i. Solve the following equations:

a) $6(y + 7) + 3(y - 1) = 6(y + 9)$

b) $9 - 4(t + 3) = 7(t - 1)$

c) $\frac{7x}{6} - 1 = 3x$

d) $\frac{4y - 8}{5} = 9y$

ii. Ahmed's mother is thrice as old as he is. In 20 years she will be exactly twice as old as him. Find their present age.

iii. If a number is tripled and the result is decreased by 9, we get 90. Find the number.

iv. The sum of three consecutive even integers is 86. Find the smallest number.

Q5.i. Construct the following angles using pair of compasses. Also write construction steps.

a) 60° b) 90° c) 45° d) 75° e) 105° f) 120°

ii. Draw a line segment of the given measurement and bisect each one of them using a ruler and a pair of compasses. Write the steps of construction.

a) 4cm

b) 6cm

c) 11cm

Q6.i. The internal angles of a triangle are in the ratio 3 : 6 : 9. Find the size of its greatest angle. What type of triangle is it?

ii. State the reasons whether or not you can construct $\triangle ABC$ in each of the following cases:

a) $m\angle A = 65^\circ, m\angle B = 75^\circ, m\angle C = 20^\circ$

b) $m\angle A = 90^\circ, m\angle B = 10^\circ, m\angle C = 80^\circ$

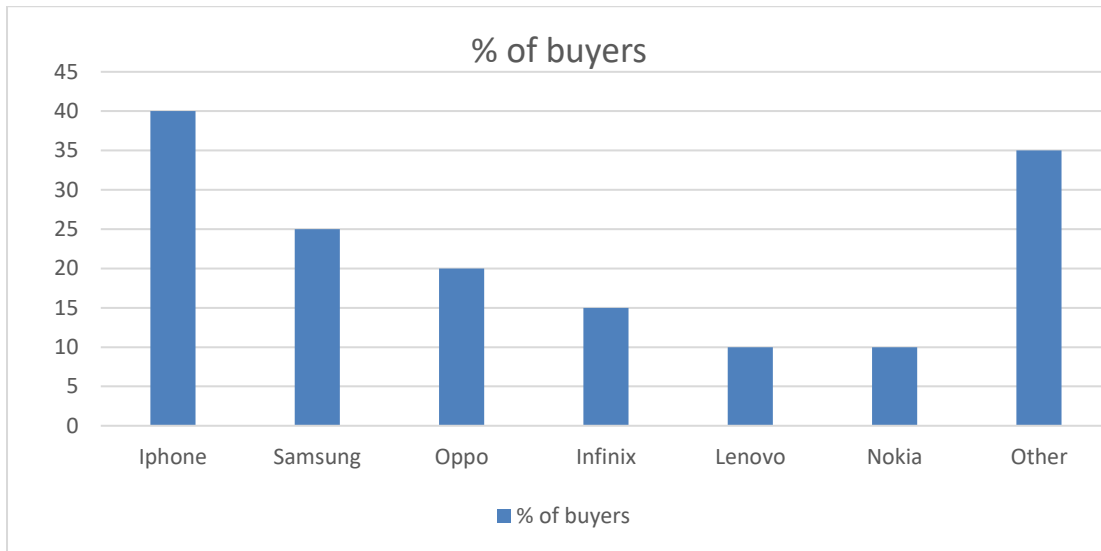
c) $m\angle A = 90^\circ, m\angle B = 90^\circ$

iii. Find the length of a rectangular ground whose breadth is 14m and whose area is 450m^2 .

iv. Find the cost of tiling the floor of a room, 14m by 8m at Rs 60 per square metre.

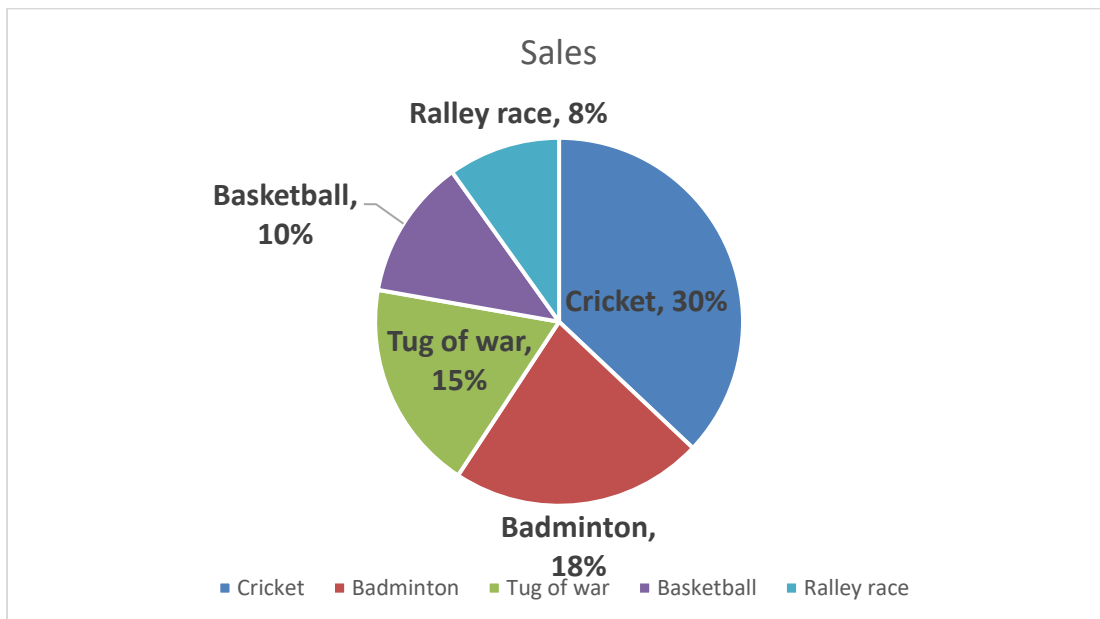
v. Find the volume and the total surface area of a cuboid whose dimensions are 4m, 90cm, and 50cm.

Q7.i. The market position of different brands of smartphones is represented on the bar graph. Read the bar graph and answer the following questions:



- What is the general information given by the graph?
- Which smart phone has maximum % of buyers?
- Which smartphone has the minimum % of buyers?
- Which smartphones share same % of buyers?
- Which brand of smartphone do you like the most?

iii. An over view of the sports participation in the sports week is represented on the pie chart. Read the chart and answer the following questions:



- What is the general information given by the graph?
- Which sport has maximum percentage?
- Which sport is the least in percentage?
- What is the percentage of those students who are not participating in these physical games?
- Which sport do you like the most?

Winter vacation task for grade 6

- 1. What is meant by deficiency disease? Describe any three deficiency diseases, their causes, symptoms and treatment.**
- 2. Explain different methods of separation of substances.**
- 3. Make a poster of three renewable energy resources.**
- 4. Draw/paste pictures of two objects each based on the following properties of material on your notebook**
 - i. Rough and hard surface**
 - ii. Soluble and insoluble in water**
 - iii. Float and sink in water**
 - iv. Transparent, translucent and opaque**
 - v. Lustrous and non lustrous**
- 5. Write down names of enzymes found in human digestive system, Name of the organ where they are released and describe their role in digestion.**

Q1. Develop your own animation using Scratch.

- i. Add a crab as your sprite.
- ii. Add a background that looks like an ocean.
- iii. Move your crab sprite left and right and bounce if touches the edge.
- iv. Change the crab costumes so that he seems like walking.
- v. Add an ocean wave sound to the animation.

Note: Take print and keep it in your homework folder

Q2. Create a PowerPoint presentation about the proper usage of computer devices. Describe the best ways to protect your ICT devices from damage, starting and shutting down a computer.

Note: Take print and keep it in your homework folder

Q3. Discuss about the pros and cons of social media.

Q4. Explain the concept of file and folder on a computer.

Q5. Discuss the significance of cyber security and ways to stay safe online.

History

- Q1. Create a timeline detailing key events in ancient Persian history.
 - Q2. Explore the construction and purpose of pyramids in ancient Egypt. What role did they play in Egyptian society and religion?
 - Q3. Write Biographies of these famous personalities and attach pictures also Socrates, Aristotle, Alexander the Great.
 - Q4. Compare and contrast the leadership styles and policies of the four caliphs, highlighting their unique contributions.
 - Q5. How Muslims invaded the subcontinent?
-

Geography

- Q1. Draw temperature zones on an outline map of the world.
- Q2. What do you know about Artic Region and its temperature, lifestyle, infrastructure, food and occupations?
- Q3. Research and create a presentation about a country in each continent, focusing on their unique geographical features.
- Q4. Examine the impacts of wildfires on both ecosystems and humans, and suggest preventive measures.
- Q5. What are the effects of climate change on the world?

- سوال نمبر 1. عقیدہ توحید پر عمل نہ کرنے کے کیا نقصانات ہیں؟
- سوال نمبر 2. نماز کے کتنے فرائض ہیں؟ تحریر کریں۔
- سوال نمبر 3. غزوہ اور سریہ میں فرق لکھیں۔
- سوال نمبر 4. حضرت شعیب علیہ السلام اور مدین کا تعارف لکھیں۔
- سوال نمبر 5. سورہ الناس کا ترجمہ لکھیں۔
- سوال نمبر 6. ایمان مفصل کا ترجمہ تحریر کریں اور بتائیں کہ آپ نے اس سے کیا سبق سیکھا؟

Task 1: Winter Scene Drawing

- i.** Choose a winter scene that reflects the beauty of the season. It could be a snowy landscape, a winter cityscape, or a close-up of a winter tree.
- ii.** Use pencils to create a detailed sketch of your chosen winter scene. Pay attention to small details that capture the essence of winter.
- iii.** Add a creative touch to your drawing. Personalize your scene with elements that make it unique to you, such as a favorite winter activity or a specific landmark.

Task 2: Mixed Media Collage

- i.** Collect old magazines, newspapers, or colored paper and make a winter-themed collage. Consider textures and patterns that can enhance your collage.
- ii.** Cut out elements from the collected materials to incorporate into your artwork. Arrange them on your drawing paper or canvas to create a visually appealing composition.
- iii.** Use glue to adhere the cut-out elements to your artwork. Experiment with layering to add depth and dimension to your collage.
- iv.** Integrate your winter scene drawing into the collage. This can be placed as a focal point or seamlessly blended with the other elements.