

APEX PUBLIC SCHOOL
CLASS VII
HOLIDAY HOMEWORK(2026-27)

ENGLISH

1) Reading Log Challenge 

Read newspapers or magazines for 10 days and maintain a table:

- Date
- Headline
- New Word
- Meaning

2) Poetry Recitation 

Learn and recite any one poem by:

- Rabindranath Tagore
- Robert Frost
- William Wordsworth

Write the poem beautifully with illustrations on A3 sheets.

3) Poster Making

Design a colourful poster on any one topic:

- Friendship Poster 
- Importance of Reading
- Spread Kindness Everywhere.

4) English News Reporter Activity 

Pretend you are a news reporter and prepare a short news report on:

- weather
- sports
- school event
- environment

5) Read one page of your English story book daily.

HINDI

ग्रीष्मकालीन अवकाश हेतु

गृहकार्य:-

- *प्रकृति एवं वीरता पर स्वरचित कविता लिखे ।
 - *गर्मियों की छुट्टियों के सबसे अच्छे पलों की रंगीन तस्वीरें चिपकाकर उनके बारे में कुछ पंक्तियाँ लिखे ।
 - *किसी पुरानी अखबार/पत्रिका से 5 विज्ञापनों को काटकर उनके बारें में लिखे व कॉपी में चिपकाएं ।
 - *प्रतिदिन रात को डायरी में दस अच्छी बीती बातें लिखें ।
 - *दस ताजा खबरों की जानकारी लिखें ।
- नोट: ग्रीष्मकालीन अवकाश कार्य हेतु अलग से कॉपी बनाए ।

SANSKRIT

रचनात्मक लेखन और कला (Creative & Art Integration)

1)चित्र-वर्णनम्: किन्हीं 5 फलों, फूलों या पशुओं के चित्र चिपकाकर उनके नाम संस्कृत में लिखें और उन पर एक-एक छोटा वाक्य बनाएँ।

श्लोक-गायनम्: अपनी पाठ्यपुस्तक से कोई भी दो श्लोक अर्थ सहित चार्ट पेपर पर सजाकर लिखें और उन्हें कंठस्थ (याद) करें।

संस्कृत-कार्ड: ग्रीष्मकालीन अवकाश के बाद आने वाले किसी भी त्योहार या अपने किसी मित्र के जन्मदिन के लिए संस्कृत में एक सुंदर 'शुभकामना पत्र' (Greeting Card) तैयार करें

MATH

ASSIGNMENT

1. Learn and write tables from 2 to 25.
2. Learn and write square and square roots of no, from 1 to 25.
3. Learn and write Cube and Cube roots of no, from 1 to 15.
4. Write five examples of each proper, Improper and mixed fraction.
5. Write properties of Integers for addition, Subtraction, Multiplication and division.
6. Simplify the following:
 - (a). $\{(-95)-(-113)\} + \{(-63)-(-26)\}$
 - (b). $\{(-108)-(-16)\} + \{19-(-6)+(-2)\}$
7. In an exam involving negative marking, the maximum marks scored were 85 out of 100 and minimum marks Scored were - 9. How many marks less is the minimum marks from the maximum marks?
8. The Temperature of water in a geyser is 120°C . The temperature drops down by 10°C every minute. What will be the temperature of the water after 10 minutes?
9. Potatoes are sold at the rate of ₹ $10\frac{1}{2}$ per kg and onion are sold at the rate of ₹ $6\frac{1}{4}$ per kg. What is the cost of $1\frac{1}{2}$ kg potatoes and $2\frac{1}{5}$ kg onions?
10. Calculate the difference between $\frac{2}{5}$ of 35m and $\frac{2}{7}$ of 42m.
11. The length of a rectangular Cardboard is $6\frac{1}{5}$ m. If its area is $26\frac{4}{7}$ m², find its width.
12. Ravi spent ₹153 and 75 paise on Monday, ₹250 and 50 paise on Tuesday and ₹85 and 9 paise on Wednesday. If he had a total amount equal to ₹ 500, find the amount left with him.
13. A Car Can Cover a distance of 65.85 Km in one hour. How much distance can it cover in 17 hours?
14. A wire is 53.34 m long. If it is cut into 7 equal pieces. Find the length of each piece.
15. Rahul bought 21kg 360g of wheat and 37 kg 350g of rice. Vivek bought 32kg 500g of wheat and 28 kg 150g of rice who bought more meal and how much? Calculate your answers in kg.

NOTE :- KINDLY DO ASSIGNMENT IN HOLIDAY HOMEWORK NOTEBOOK

Art Integrated Project

1. Prepare a chart on any ONE topic given below:

- **Perimeter formulas**
- **Area formulas**
- **Algebraic identities**
- **Type of Fraction**
- **2D and 3D Shapes**

Decorate neatly with colours and examples.

2. Make a colourful pizza model showing different fractions like:

- **$\frac{1}{2}$**
- **$\frac{1}{4}$**
- **$\frac{3}{8}$**

Use coloured paper/cardboard.

3. Solve these Mathematics riddles

- **I am an odd number. Remove one letter and I become even. What number am I?**
- **I am a three-digit number. My tens digit is 5 more than my ones digit. My hundreds digit is 8 less than my tens digit. What number am I?**
- **Using only addition, how can you add eight 8's to get 1000?**
- **If you multiply me by any other number, the answer will always remain the same. What number am I?**
- **A bat and a ball together cost ₹110. The bat costs ₹100 more than the ball. How much does the ball cost?**
- **A man is twice as old as his brother. 10 years ago, he was three times as old. How old is the man now?**

SCIENCE

1. Prepare a poster on ways of 'Saving water'.
2. Make a list of the animals considered endangered critically endangered and distinct. Suggest ways to save and protect the endangered species. Make a report and present in the class.
3. Learn and revise the complete work of chapter 1,2 and 11.
4. Write a few lines about acid, base indicator and make a table.
5. Make a chart on any one topic.
a) Digestive system b) Photosynthesis
6. Make a 3-D model of human teeth with the help of waste material.

HAPPY SUMMER VACATION

SOCIAL SCIENCE

GENERAL INSTRUCTIONS

- ✓ Use eco-friendly and recycled materials
- ✓ Focus on creativity and originality
- ✓ Maintain neatness and proper labelling
- ✓ Avoid expensive decorative materials
- ✓ Submit work in a proper folder/file/notebook
- ✓ Complete all work neatly and on time

PART A

1. Time Travel Into History

Choose ANY ONE:

- * Maurya Empire
- * Gupta Empire
- * Cholas
- * Rajputs
- * Ashoka
- * Chandragupta Maurya
- * Samudragupta

Prepare ANY ONE:

- * **Timeline**
- * **Biography card**
- * **Comic strip**
- * **Illustrated fact file**
- * **Historical newspaper**
- * **Mock interview with the ruler**
- * **“A Day in the Kingdom” diary entry**

OR

2. Weather Reporter & Climate Watch Activity

Become a Weather Reporter for 7 days.

Record daily:

- * **Temperature**
- * **Humidity**
- * **Rainfall/cloud condition**
- * **Weather forecast from TV/mobile/newspaper**

Also observe:

- * **Seasonal changes**
- * **Effect of weather on people/farming**

Present in ANY ONE format:

- * **Weather diary**
- * **Table/chart**
- * **Infographic**
- * **PPT**

OR

3. Map Skill Challenge

Using outline maps of India/Asia, mark and label:

- * Northern Mountains
- * Northern Plains
- * Thar Desert
- * Peninsular Plateau
- * Coastal Plains
- * Islands
- * Important rivers
- * India's neighbouring countries and capitals

OR

4. India: A Home to Many

Research ANY ONE community:

- * Parsis
- * Jews
- * Tibetans
- * Syriac Christians
- * Siddis
- * Armenians
- * Arab merchant community

Include:

- * Origin and migration story
- * Cultural traditions
- * Contribution to India
- * Interesting facts

Conclude:

“Why India is called a land of diversity and acceptance.”

PART B

(Choose ANY ONE)

1. Constitution in Daily Life

Observe your surroundings and list:

- * Five rules followed in school/home/society**
- * Why rules are important**
- * Problems caused when rules are broken**

OR

2. Responsible Citizen Activity

Write about:

- * Duties of citizens**
- * How government helps society**
- * Ways students can become responsible citizens**

PART C

Students may choose ANY ONE presentation format:

- 1. Working Model**
- 2. 3D Model**
- 3. Poster/Chart**
- 4. PPT Presentation**
- 5. Speech**
- 6. Scrapbook**
- 7. Infographic**
- 8 News Report Presentation**

WORKING MODEL TOPICS

Geography

- * Working Rainfall Model**
- * Water Cycle Model**
- * Weather Forecast Station**
- * Volcano & Plateau Formation**

- * **Soil Layers Model**
- * **Irrigation System Model**
- * **Rainwater Harvesting Model**

History

- * **Mauryan Empire Administration**
- * **Gupta Period University**
- * **Ancient Trade Route Model**
- * **Chola Temple Architecture**
- * **Ashoka's Dhamma Wheel**
- * **Ancient Observatory**

Civics

- * **Three Organs of Government**
- * **Democracy vs Monarchy**
- * **How Laws Are Made**
- * **Three-Tier Government System**
- * **Judiciary Working Model**

Economics

- * **Barter System Demonstration**
- * **Evolution of Money**
- * **Banking System Model**
- * **UPI/Digital Payment Flowchart**
- * **Producer to Consumer Market Chain**
- * **Infrastructure Development Model**

3D MODEL TOPICS

- * **Himalayan region**
- * **Indian farming scene**
- * **Village market**
- * **Ancient city of Pataliputra**
- * **Ashoka's court**
- * **Chola port city**
- * **Sacred river ecosystem**
- * **Monsoon scene**

- * **Parliament setup**
- * **Transport network of India**
- * **Digital banking system**

POSTER / CHART / INFOGRAPHIC TOPICS

- * **Save Environment, Save Climate**
- * **Incredible India**
- * **Journey of Money**
- * **Features of Democracy**
- * **India and Her Neighbours**
- * **Digital India**
- * **Safe Online Banking**
- * **Monsoon Magic**
- * **Climate Change Awareness**
- * **Ancient Indian Trade**
- * **Unity in Diversity**
- * **Farmers: Backbone of India**

PPT PRESENTATION TOPICS

- * **India's Geographical Diversity**
- * **Climate of India**
- * **Weather Forecasting**
- * **Indian Farming Systems**
- * **India and Her Neighbours**
- * **Mauryan Empire**
- * **Gupta Golden Age**
- * **Chola Empire**
- * **Constitution of India**
- * **Democracy and Government**
- * **Markets Around Us**
- * **Digital India & UPI**
- * **Banking and Financial Safety**

COMPUTER AND AI

1) Complete AI worksheets in the computer science notebook itself along with class work which was done in the class.

Worksheet 1: Introduction to AI

1. MCQ: What does AI stand for?

(a) Automatic Intelligence (b) Artificial Intelligence (c) Advanced Internet (d) Auto Information

2. True/False: AI can learn from past experiences like humans.

3. Fill in the blank: The ability to solve problems and make decisions is called _____.

4. One-line: Write one example of AI in daily life.

5. MCQ: Which of these is a benefit of AI?

(a) Gets tired quickly (b) Works slower than humans (c) Works 24/7 (d) Needs sleep

6. True/False: AI cannot help in dangerous jobs.

7. Fill in the blank: AI-powered _____ can answer customer questions anytime.

8. One-line: How does AI help in education?

9. Match: AI in games → _____

10. Short Answer: Why is AI important?

Worksheet 2: Benefits of AI

1. MCQ: AI helps doctors by analyzing _____.

(a) Paintings (b) X-rays (c) Books (d) Songs

2. True/False: AI reduces human effort in repetitive tasks.

3. Fill in the blank: AI robots in factories improve _____.

4. One-line: Name one risky job AI can do.

5. MCQ: Which platform uses AI recommendations?

(a) Netflix (b) Notebook (c) Pencil (d) Blackboard

6. True/False: AI always needs breaks.

7. Fill in the blank: AI can predict _____ conditions quickly.

8. One-line: How does AI help scientists?

9. Is Mars exploration a dangerous job. How(20 words)→ _____

10. Short Answer: Explain one entertainment use of AI.

Worksheet 3: Predictive Techniques in AI

1. MCQ: Prediction in AI means using _____ data.

(a) future (b) random (c) past (d) no

2. True/False: More data can improve predictions.

3. Fill in the blank: Classification predicts a _____.

4. One-line: Give one example of regression.

5. MCQ: YouTube next video suggestion is called:

(a) Forecasting (b) Recommendation (c) Regression (d) Sorting

6. True/False: Forecasting predicts future trends.

7. Fill in the blank: Spam or not spam is an example of _____.

8. One-line: What does recommendation do?

9. Can house be done by AI House price → Yes/No

10. Short Answer: Why is prediction useful?

2) Make an E-Poster using Canva, using any software of your choice, on A4 Size Sheet on any one of the topics:

Capabilities of AI in future .

OR

Three types of AI with examples of each.

Take a coloured print out and submit after vacation. Use your creativity in designing the poster.

3) Excel Data Visualization Challenge

Task: Collect family weekly expenses or daily temperatures and create:

- Bar graph
- Pie chart

- **Line graph**

And submit the file(file should contain):

- **Excel table printout**
- **Bar Graph Printout**
- **Pie Chart Printout**
- **Line Graph Printout**

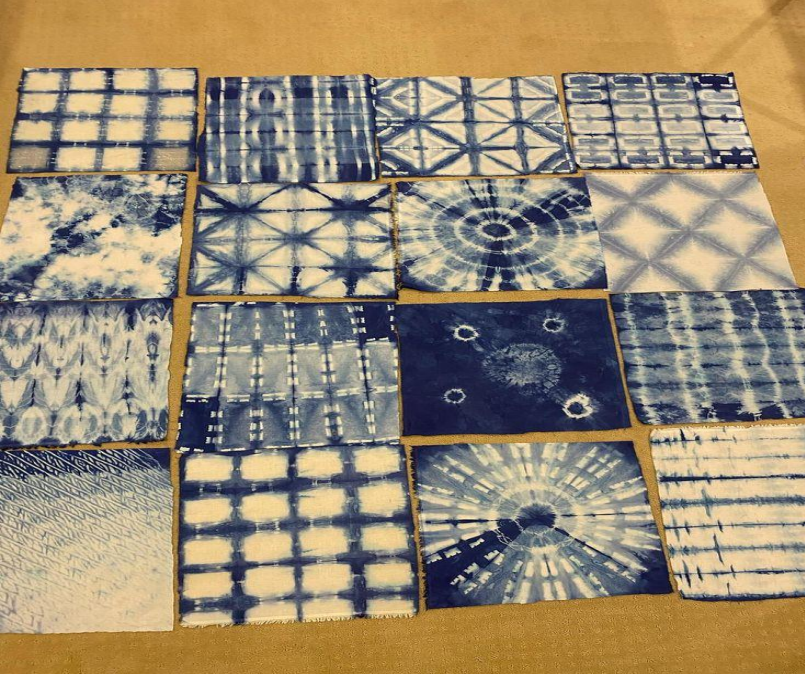
ART AND CRAFT

- **textile painting (Cloth printing)**

- ◆ **Materials to be used-**

- **one white handkerchief**
- **Fabric Colours**
- **Brush**
- **Thread**
- **Marble balls and etc**







手蜘蛛絞り 5 種 Tegumo Shibori Patterns 応用編

全巻き Zemaki (All)	蟹 Kani (Crab)	根巻き Nemaki (Bottom)	ほおずき Hozuki (Chinese lantern)	蛇の目 Janome (Umbrella)
<ol style="list-style-type: none"> 2回巻き先端まで巻上げる Wind twice then go up 先端で2回巻き下に戻る Wind twice then go down 2回巻き1回かもさげする Wind twice then tie once 	<ol style="list-style-type: none"> 2回巻き1/3まで巻上げる Wind twice then go up till 1/3 2回巻き下に戻る Wind twice then go down 2回巻き1回かもさげする Wind twice then tie once 	<ol style="list-style-type: none"> 4回巻く Wind 4 times 1回かもさげする Tie once 	<ol style="list-style-type: none"> 2回巻き1/2までゆるく巻く Wind twice then go up till 1/2 loosely 2回巻き先端まで巻上げる Wind twice then go up 先端で2回巻き1/2まで戻す Wind twice then go down till 1/2 2回巻き下までゆるく巻く Wind twice then go down loosely 2回巻き1回かもさげする Wind twice then tie once 	<ol style="list-style-type: none"> 下部1/3を「蟹」同様巻く Wind the lower 1/3 like "Kani" 中部1/3をゆるく巻く Wind the middle loosely 上部1/3を「ほおずき」同様巻く Wind the upper 1/3 like "Hozuki" 下までゆるく巻く Wind to the bottom loosely 2回巻き1回かもさげする Wind twice then tie once



Tie & Dye Techniques

Exploring Sustainable Dyeing Methods



Simple Tie & Dye



Spiral Pattern



Bandhani Dots



Stripe Resist



Fold & Clamp



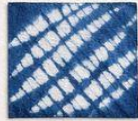
Shibori Kumo



Itajime Clamp



Ne-Maki



Arashi Shibori



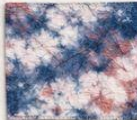
Triangle Fold



Stitch Resist



Honeycomb Shibori



Crumple Dye



Leaf Eco Print



Indigo Ombre



Circular Bind



Sunburst



Overdyeing



Diagonal Bind




Rust Dye



Library Activity

Dear Students,

As part of your holiday homework, you have to create a Book Cover of any Ruskin Bond book of your choice.  

You may use:

- ✦ A4 size drawing sheets or smaller sheets
- ✦ Colours / Sketch pens
- ✦ Creative designs & illustrations

Make your book cover as attractive and creative as possible.



Special Announcement:

The Best Book Covers will be awarded with Certificates for their creativity and presentation.



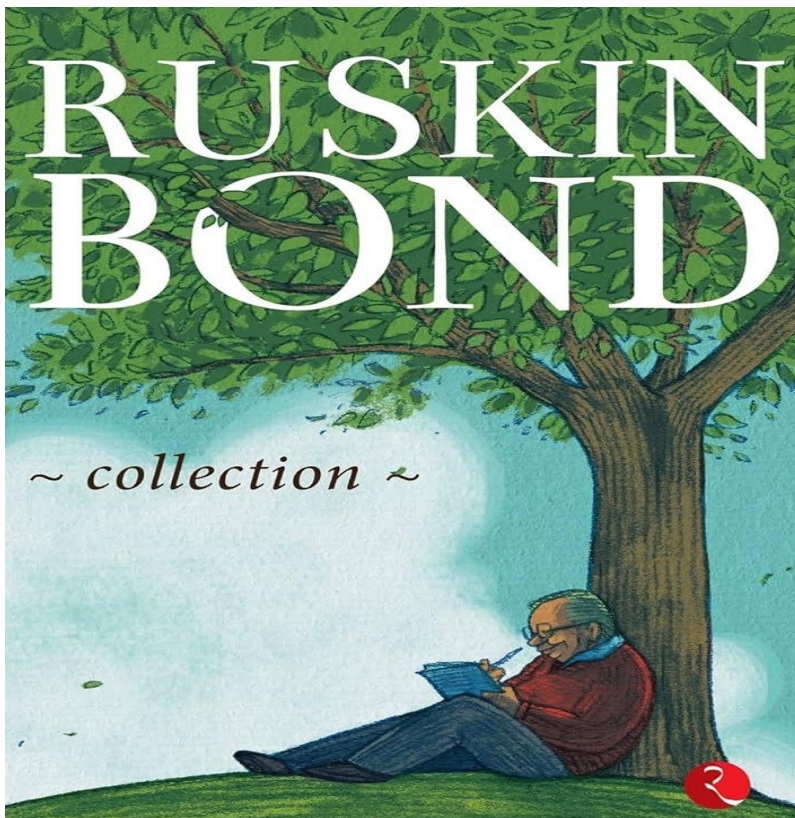
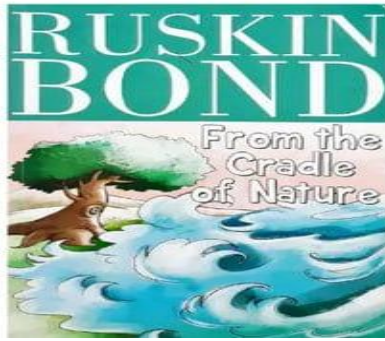
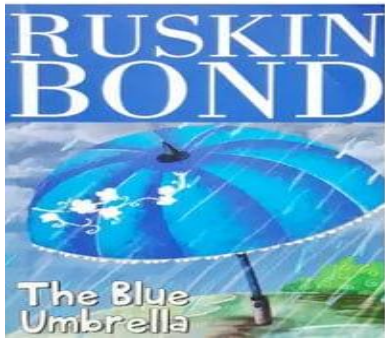
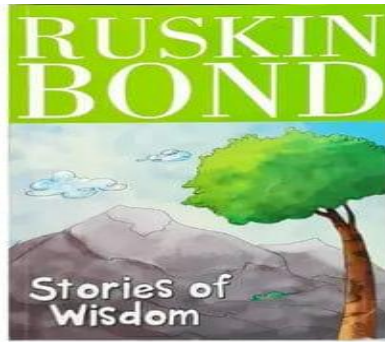
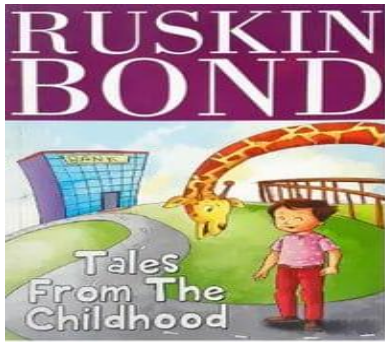
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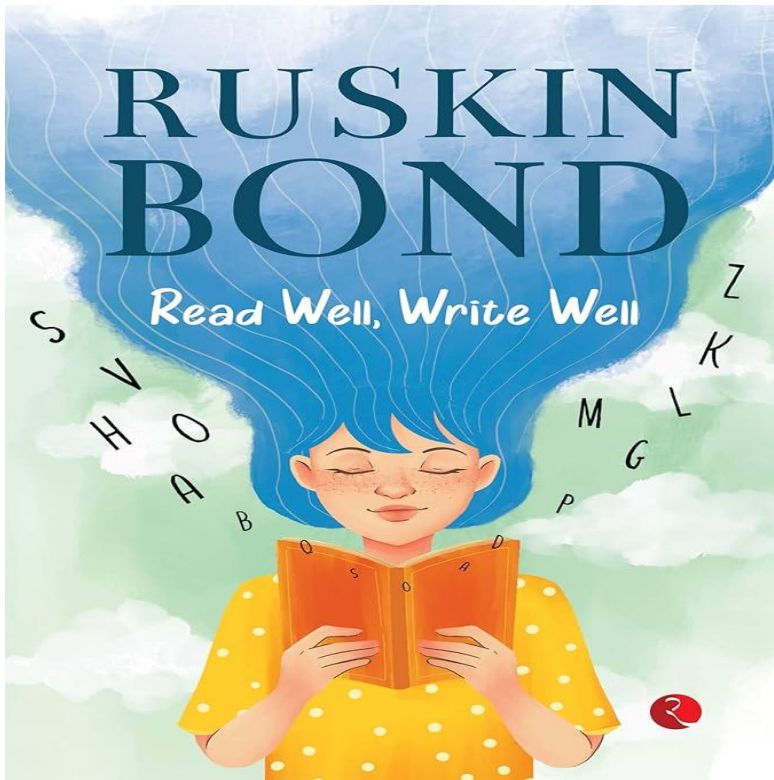
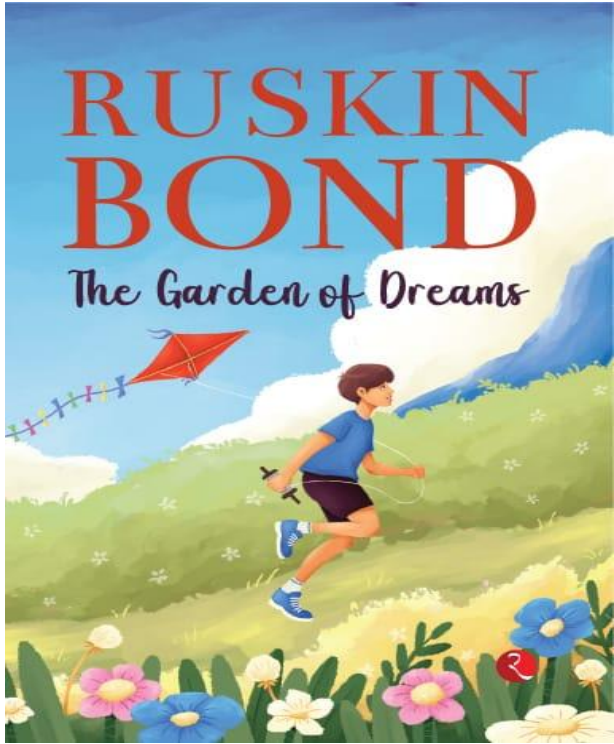
* Write your Name and Class clearly on the back side of the book cover.

We are excited to see your creativity and love for books! 

Regards,

Library Department
Apex Public School





RUSKIN BOND



Stories of
Wisdom