



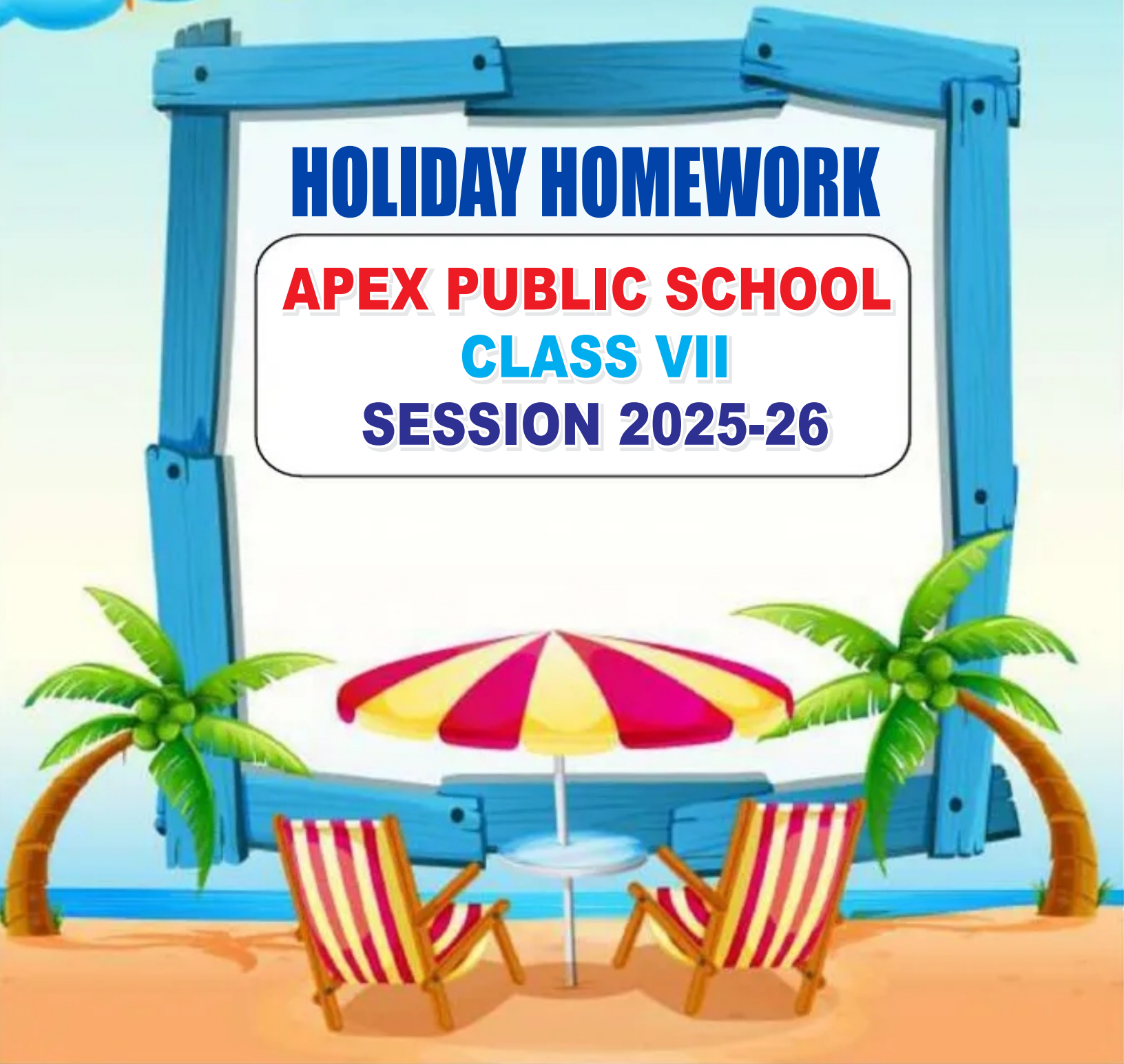
SUMMER VACATION

HOLIDAY HOMEWORK

APEX PUBLIC SCHOOL

CLASS VII

SESSION 2025-26



MATHEMATICS

ASSIGNMENT

1. Learn and write tables from 10 to 25.
2. Learn and write square and square roots from 1 to 25.
3. Learn and write Cube and Cube roots 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). $\{(-108) - (-16)3\} + \{19 - (-6) + (-2)3\}$
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 onions 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 paisa on Monday, ₹ 250 and 50 paisa on Tuesday and ₹ 45 and 9 paisa 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.

ACTIVITY

1. Prepare a report on the details of metro like,

- a. Length of metro trains in kilometer, meter, Centimeter.**
- b. The difference between largest and the smallest metro Station.**
- c. Length of Burari Metro station Platform**

2. Let's come to an imaginary world.

assume there are 100 hours in a day. Now write down your routine in the table.

S.no.	Name of Activity	Fraction of hours per day in imaginary world	Percentage %
1	Studying		
2	Playing		
3	Watching News		
4	Computer/Mobile		
5	Sleeping		

3. Prepare a Model on any one Topic given below(ONLY ONE):

- (i) 3D Shape Robot (Still Model:- By using Different Geometrical Shapes)**
- (ii) Ratio and proportion (Working Model)**
- (iii) Pythagoras Theorem (Working Model)**
- (iv) Properties as Triangles (Still Model)**
- (v) Perimeter and Area (Still Model)**

SOCIAL SCIENCE

PART A

Project Work – Choose Any One:

1. 3D Model of the Earth's Layers:

Make a 3D or flat model of the Structure of the Earth using clay, cardboard, or coloured sheets. Label each layer (Crust, Mantle, Core) and write 1–2 lines about each layer.

OR

2. Disaster Awareness Flipbook:

Prepare a flipbook showing the causes and effects of earthquakes, volcanoes, and tsunamis. Include safety tips and real-world examples such as Mock drills etc

OR

3. SDG Themed Poster – Choose Any One SDG (Sustainable Development Goals) Below and make it on a chart.

- o SDG 1: No Poverty – Explain its meaning, goals, and India's efforts.**
- o SDG 5: Gender Equality – Show how promoting equality between boys and girls helps society grow.**
- o SDG 16: Peace, Justice, and Strong Institutions – Show how good governance, law, and peace-building help nations grow.**

PART B

Review Report: “Bharat Ek Khoj”

Introduction

Watch “Bharat Ek Khoj” on YouTube to explore India's rich history and culture.

Report Structure

- 1. Episode Summary: Describe two episodes briefly.**
- 2. Key Takeaways: Highlight historical events and cultural insights.**
- 3. Personal Reflection: Share thoughts and feelings.**

Submission Guidelines

- 1. Report length: 2-3 pages.**
- 2. Include specific episode examples.**
- 3. Proper formatting and citations.**

Evaluation Criteria:

- 1. Historical and cultural understanding.**
- 2. Critical thinking and analysis.**
- 3. Writing style and presentation.**

OR

Creative Activity – Real world experience.

You all must have visited some sacred place in your life. Sacred places are locations imbued with spiritual or religious significance, often considered holy and worthy of reverence. These locations can be places of worship, pilgrimage, or simply sites where believers connect with the divine or ancestral spirits.

Take an A3 size paper to draw and write on any ONE of the following topic,

- 1. The Kumbh Mela** and the story behind it
- 2. Paint or sketch or paste a photograph of a sacred site**
- 3. Write a poem or write a brief description of the sacred space you can select any of the following, Temple/Mosque/Church/Gurudwara/Dargah/Stupa**
- 4. About a river; you could trace its history in mythology, its route and why its sacred (Ganga, Yamuna, Godavari, Sarasvati, etc.)**
- 5. A pilgrimage to Haridwar or Ujjain.**
- 6. The Peepal tree in your village which is considered sacred**
- 7. Ryngkew or Basa in Meghalaya, which is a sacred forest**

Remember it is about YOU and your RESEARCH. Please make this a happy experience and transfer the happiness on paper!

Looking forward to seeing your projects.

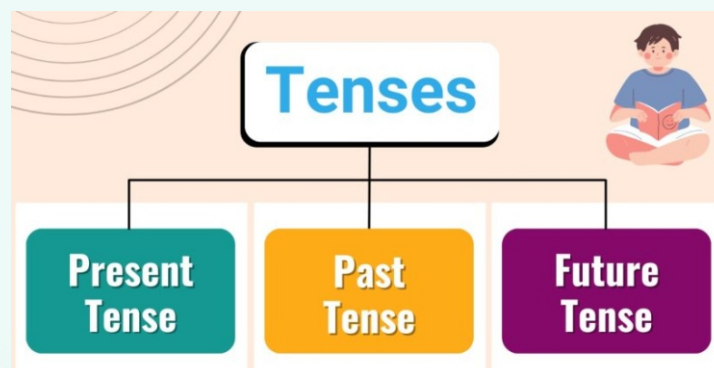
हिन्दी

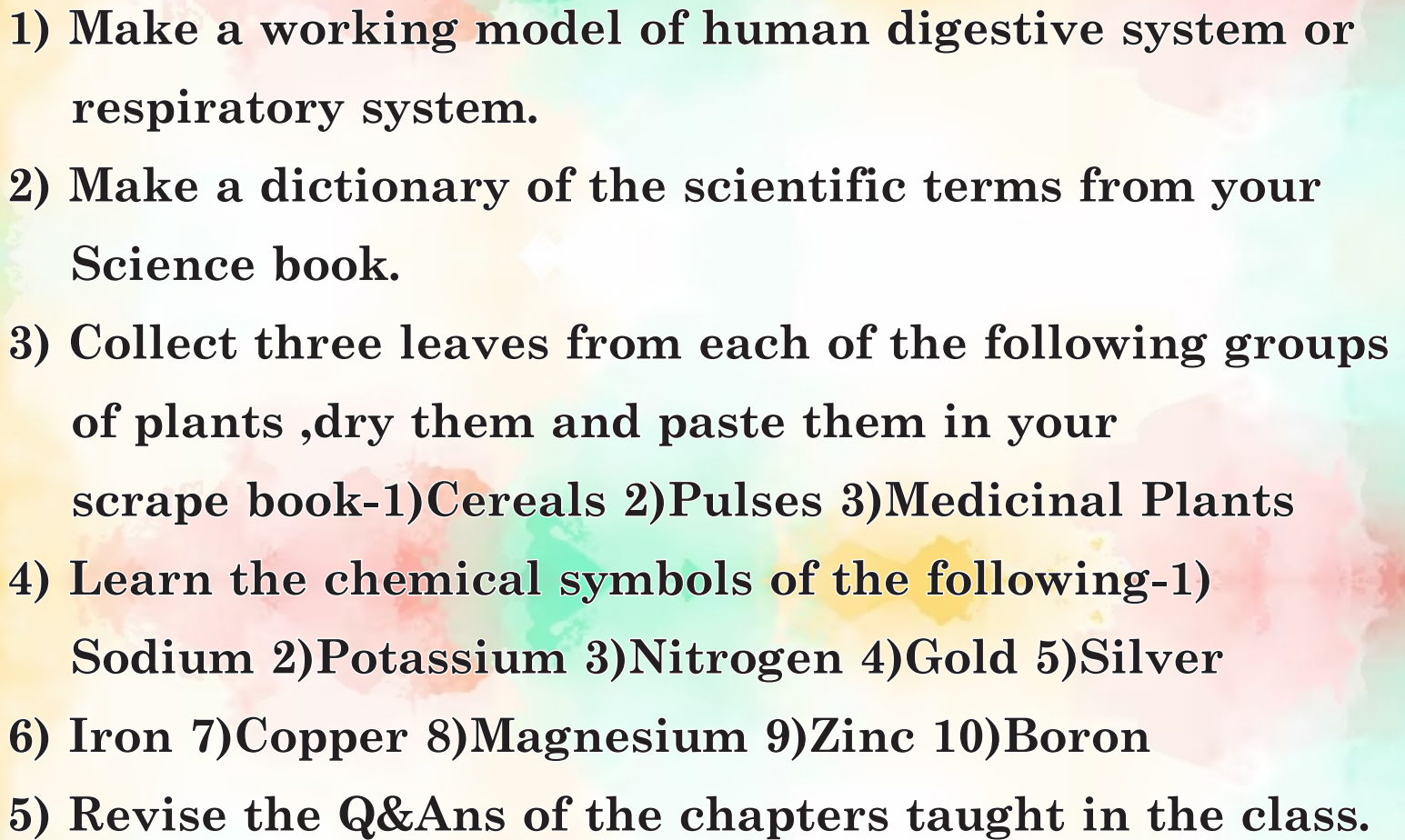
**ग्रीष्मकालीन अवकाश गृहकार्य हेतु
एक अलग कॉपी बनाए। कार्य सुंदर ढंग से पूरा करें।**

1. प्रतिदिन अखबार, कोई लेख या कोई कहानी पढ़ें, उसमें से कठिन शब्दों को अर्थ सहित अपनी कॉपी में लिखें। (नोट - न्यूनतम 50 शब्द- अर्थ लिखें)
2. कोई एक कहानी या लेख पढ़ें और उसके बारे में अपने विचार प्रकट करें।
3. अपने प्रिय जनो या दोस्तों को जो दूर हैं अपने ग्रीष्मकालीन अनुभव को साझा करते हुए पत्र लिखें।
4. छोटे बच्चों का ध्यानपूर्वक निरीक्षण करें, तथा उस विषय को रचनात्मक तरीके से लिखें।
5. अंतरिक्ष से संबंधित सोलर सिस्टम पर एक प्रोजेक्ट बनाएँ।
6. किसी रोचक विषय पर कविता लिखें। (स्वयं रचित कविता सराहनीय होगी)
7. केन्द्र शासित प्रदेश के चित्र चिपकाएँ, और उनकी विशेषताओं को लिखें।
(सामान्य ज्ञान से संबंधित कुछ अनोखी बातें भी ले सकते हैं)
8. 5 पृष्ठ सुलेख करें।
9. प्रकृति की सुंदर फोटो या स्केच लगाएँ।
10. नैतिक मूल्यों से संबंधित दोहों पर चार्ट पेपर बनाएँ।

ENGLISH

- **Diary Entry:** Write a diary entry about a memorable day from your summer vacation
- **Compose a poem** on "Summer Holidays" or "My Dream Place.
- **Book Reading:** Read the play " Macbeth" from the book titled ' Sixtee Tales of Shakespeare' and write:
 - **Title and author**
 - **Main Characters**
 - **Summary (in 100–150 words)**
 - **What you liked/disliked**
- **Make a 3 D model on 'Tenses' like "The Tense Train"**
- **Concept:** A colourful train where each compartment represents a tense. This makes it easy to visualize how all tenses are connected but serve different functions.
- **Materials You'll Need:**
 - **Cardboard or thermocol (base)**
 - **Coloured paper or chart**
 - **boxes or paper rolls (for compartments)**
 - **Markers, glue, scissors**
 - **Toothpicks and paper flags (optional for examples)**
- **Train Design:**
 - **Engine (Label it "Tenses")**
 - **Train Compartments (Each one a tense)**
You can color-code each tense family (Past = blue, Present – green, Future – yellow)





COMPUTER SCIENCE

1. Make a presentation on any of the given topic

A) Number system B) Computer arithmetic

- * Set a beautiful background for representation
- * Apply nice formatting to the text
- * Apply animation effect on the object in the presentation

2. Make a report card of your class in an MS Excel worksheet create a line chart to see the performance friend in each subject during the last three test

Follow these instruction :

- * X axis shows the test number
- * Y Axis show the marks obtained by the student
- * The chart contains around of a particular colour for each subject

3. Complete the notebook work question answers of
Chapter 1 : Number System
Chapter 3 : Charts In Excel

4. Complete the Book Exercise (Objective type)
work question answers of
Chapter 1 : Number System
Chapter 3 : Charts In Excel On Your Computer Book.

5. Learn the chapter 1 : Number System
Chapter 3 : Charts In Excel

संस्कृत

नोट: कार्य सुंदर लिखावट में करें तथा गृहकार्य के लिए अलग से कॉपी बनाएँ ।

1. विद्यार्थी अपने 5 मित्रों के नाम लिखें तथा उनका वर्ण विच्छेद करें।
2. वृक्षों द्वारा प्राप्त होने वाली किन्हीं 5 वस्तुओं को चित्र के माध्यम से ए 3 साइज शीट पर दर्शाएँ।
3. व्यायाम के किन्हीं 5 आसनों को चार्ट पर दर्शाएँ।
4. कोई भी पाँच फलों के नाम संस्कृत में लिखें और उनके चित्रों को कॉपी में चिपकाएँ।
5. अनुशासन संबंधी किन्हीं 10 वाक्यों को संस्कृत में लिखें।
6. किन्हीं 5 औषधियों के नाम संस्कृत भाषा में लिखें और उनके चित्र कॉपी में चिपकाएँ।
7. कक्षा में करवाए गए सभी पाठों का पुनः अध्ययन और अभ्यास करें।

GENERAL KNOWLEDGE

Q1. "Create a mini scroll of the Preamble to the Indian Constitution and decorate it to look like an ancient manuscript."

Instructions: **Activity: Preamble Scroll Art**

- 1. Take an A4 sheet or craft paper and write the Preamble to the Constitution of India neatly in the center.**
- 2. Decorate the borders with traditional Indian art designs to give it an ancient manuscript look (you can lightly crumple and stain the paper with tea water for an old effect).**
- 3. Attach sticks or straws at both ends and roll them to make a scroll.**
- 4. Title your scroll: "The Preamble to the Constitution of India"**
- 5. On the back, write a sentence on why the Constitution is important for citizens.**

Q2. "Craft an 'Ocean in a Bottle' experiment using blue-colored water, oil, and glitter. After making your ocean model, label the major oceans around the world."

Topic: Oceans Around the World

Activity: Ocean in a Bottle Experiment

- 1. Fill a clear bottle halfway with water colored blue using food coloring.**
- 2. Slowly add cooking oil on top of the water—observe how the oil floats, creating layers like in the ocean.**
- 3. Add a small amount of glitter to represent particles or sea life.**
- 4. Seal the bottle tightly and gently shake it to create "ocean waves."**
- 5. On a chart or paper, label the five major oceans: Pacific, Atlantic, Indian, Southern, and Arctic.**
- 6. Attach your chart next to your bottle or stick small labels around the bottle to identify the oceans.**

VALUE EDUCATION

Activity 1 : Letter to Myself (A4 size sheet)

Write a short letter to your future self, beginning with:

“Dear Me, I want you to remember that you are...

”Include encouraging and kind words about your strengths.

Sign it with your name and date — keep it safe to read later!

Activity 2 - My Self-Esteem Flower

Draw a big flower with 5 petals. (A4 size sheet)

In each petal, write one quality, talent,

or habit you are proud of

(e.g., kind, good at drawing, helpful, etc.).

In the center, write: “I am special because...”

Color and decorate the flower.

The background of the slide is a white surface decorated with various colorful paint splashes in shades of orange, yellow, red, and blue. In the upper right corner, a portion of a grey pencil is visible, pointing towards the center. The title 'Art and Craft' is written in a stylized, cursive font with a blue outline and a red shadow effect.

Art and Craft

- **Lipan Art**
- **Materials to be used-**
- **Hard Board (12x12 inch)**
(shape - square or round only)
- **Fevicryl Mouldit**
- **Fabric Colours**
- **Mirrors**
- **Fevicol**
- **Decorative Accessories**