



Maharani Gayatri Devi Girls' School  
Sawai Ram Singh Road, Jaipur

bhavyaasheetih

**HOLIDAY ASSIGNMENT  
CLASS- 1X**

**SESSION-2023-2024**



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## ENGLISH

### 1.WORDS AND EXPRESSIONS

Complete Units 1, 2 and 3 in the English Work Book Words and Expressions

### 2.MY QUIZ

Prepare a 10 MCQ Quiz based on the life and works of any one author/poet you have recently read.

Prepare the Quiz in word document.

Prepare an answer key of the same.

Take print outs of both and submit the hard copies.

Save the soft copies to be used later.

**To be done in A4 Size white sheets.**

### 3. MY SONG

**Students to choose some English songs to listen to and then do the following:**

Practice the lyrics to learn intonation and rhythm.

Note use of slangs in the song.

Draw a picture of how the music makes you feel, share the song lyrics (6-10 lines)and what that particular song means to you.

Explain the picture you created, to the class.

To be done in two A4 Size coloured sheets ,one for song lyrics and one for picture.

*Slang* refers to a type of language that's too informal to use in certain situations

Often, slang terms are considered offensive and inappropriate to use in polite conversation and formal writing .

buck – dollar.

salty – jealous.

nuts – crazy.

flaky – unreliable.

chill – relax.

## हिन्दी

निर्देशानुसार कार्य कीजिए ----

1. स्वतंत्रता के लिए संघर्ष करना पड़ता है – ‘दो बैलों की कथा’, पाठ के आधार पर स्पष्ट कीजिए | भारतीय स्वतंत्रता संग्राम पर लेख लिखिए |
2. पशु- पक्षियों से संबंधित रचनाएं पढ़िए , अपनी पसंदीदा रचना को संक्षिप्त रूप में लिखिए एवं चित्रात्मक रूप में प्रस्तुत कीजिए | ( सचित्र A4 SHEET में )
3. भक्ति काल के कवियों का कोलाज बनाइये , किन्ही 4 का संक्षिप्त परिचय दीजिए कोई एक रचना को गायन रूप में प्रस्तुति हेतु टीयर कीजिए |
4. हरिशंकर परसाई, मन्नू भण्डारी , प्रेमचंद की कहानियाँ पढ़िए , अपनी पसंद की किसी एक कहानी को संवाद रूप में लिखिए |
5. आपकी नानी/दादी आपकी माँ और आपके जीवन शैली में क्या अंतर है तुलनात्मक अध्ययन करके लिखिए |

( कार्य पृथक फाइल या फ़ोल्डर में करें )

## संस्कृत

निर्देशा:—

1. अभ्यासार्थम् अधोलिखितलिङ्कम् उपयोगी भवितुं शक्नोति |  
e link- [www.studiestoday.com](http://www.studiestoday.com)
2. कार्यम्पृथक्कार्यपुस्तिकायां कर्तव्यम् |
3. ग्रीष्मकालीन अवकाशकार्यस्य मूल्यांकनम्पोर्टफोलियो/अभ्यासपुस्तिकायां भवितव्यम् |
4. अभ्यासकार्यस्य प्रत्येकविषयस्य 5 प्रश्नाः करणीयाः |
5. लेखनस्य स्मरणकार्यस्य च गतिविधिम् आन्तरिकमूल्याङ्कने ग्रहीष्यते |

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1 अभ्यासकार्यम् - कअपठित -अवबोधनम्

खपत्रलेखनम्

गचित्रवर्णनम्

e link - [www.ncertpdf.com](http://www.ncertpdf.com)

2 लेखनकार्यम् - कुटुम्बवृक्षः स्वपरिवारस्य छायाचित्रं पेषित्वा तस्मिन् दर्शितं प्रत्येकसदस्यस्य अभिधानं (नाम)

एवं तेन/तया सह स्वसंबंधं द्वयोः वाक्ययोः संस्कृत-भाषायां स्वउत्तर-पुस्तिकायां लिखित्वा कुटुम्ब- वृक्षम्रचयत |

3 स्मरणकार्यम् - श्रीमद्भगवतगीताया (अध्याय-4) श्लोकानाम्कंठस्थकुरुत |

e link :- [https://www.youtube.com/watch?v=Ejyn4yOs-](https://www.youtube.com/watch?v=Ejyn4yOs-8A&ab_channel=ChinmayaChannel)

[8A&ab\\_channel=ChinmayaChannel](https://www.youtube.com/watch?v=Ejyn4yOs-8A&ab_channel=ChinmayaChannel)

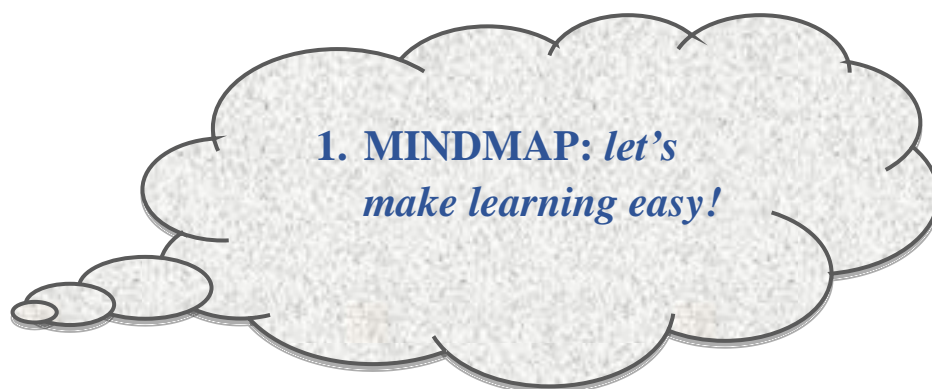
## FRENCH

1. Write a paragraph on how you spent your summer vacations.
  2. Write and paste the pictures of famous personalities of France and India on A3 size sheet.
  3. Draw <<LES PYRAMIDES (DE L'ALIMENTATION et DES ACTIVITÉS)>> on A3/A4 size sheet. (Entre Jeunes IX page-38 for reference.)
  4. Do the questions and answers based on culture and civilization from Ch.- 1,2 and 3. (Set rite / Together with French for reference.)
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## MATHEMATICS

### **GENERAL INSTRUCTIONS:**

- 1) Do all the questions in A4 Sheets or colored sheets. Place them in a folder. These can be used as Multiple Assessment/Portfolio.
- 2) Please revise all the work done till now.



A mind map is a visual representation of your own notes. It is easier to remember a good visual representation than a long text.

**Prepare a mind map of chapter—2 Polynomials.**

## 2. BRAIN STORMING (SUDOKU):

A.

		4	7	1	9	6		
		9	3		5	4		
7		5					4	
	9					7		1
4		6					8	
6		1	2		7		9	
9		3					7	
2		7	9	8	1		5	

B.

						7	2	9
					6			
			9	8	2	3		
5	8	4	2	3	7	9		6
1								
9		7	6		5			
2	1		5					
			7				9	
3	7	9	1	6	8		4	

### 3. LET'S RECALL (PRACTICE QUESTIONS):

Q1) Write 2 rational and 2 irrational numbers between 1.5 and 1.6.

Q2) Express each of the following decimals in P/Q form

i)  $2.\overline{36}$

ii)  $0.\overline{305}$

Q3) Simplify:

i)  $6^{\frac{2}{3}} \times 6^{\frac{2}{5}}$

ii)  $81^{\frac{3}{4}}$

iii)  $64^{\frac{-3}{2}}$

Q4) Classify the following numbers as rational or irrational

i.  $\sqrt{196}$

ii.  $9\sqrt{2}$

iii. 0.5918

Q5) Factorise:

i)  $6x^2 + 17x + 12$

ii)  $14x^2 + 9x + 1$

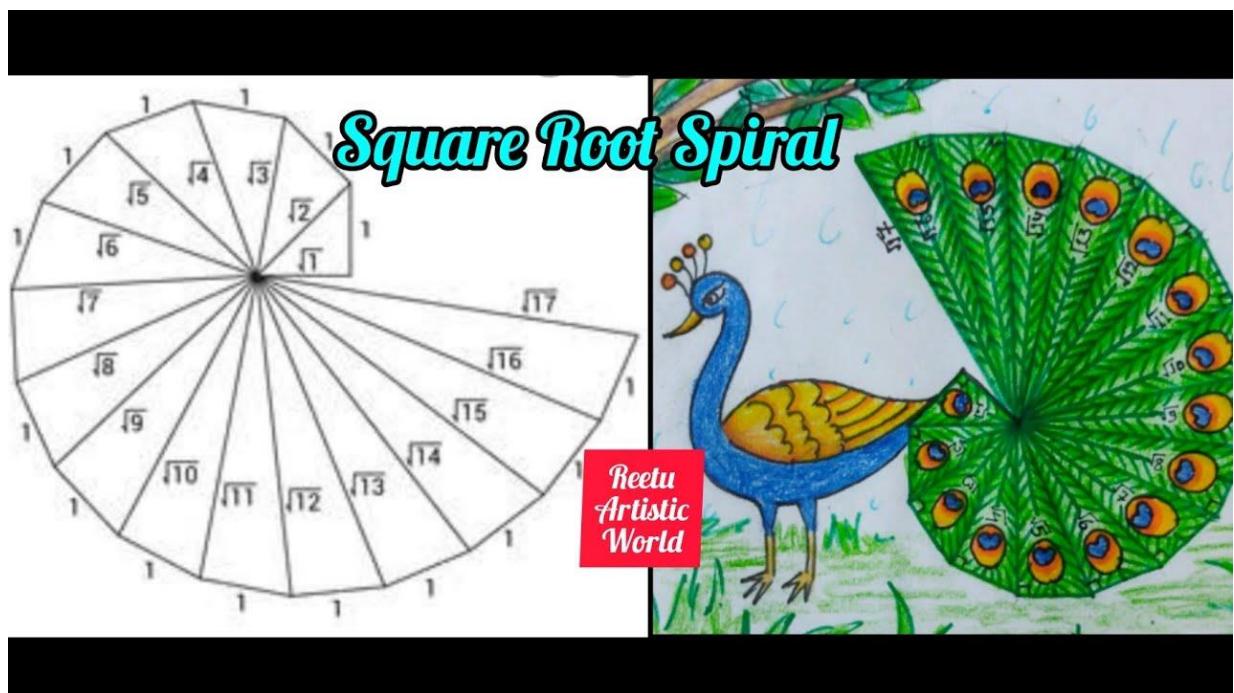
iii)  $2x^2 + 11x - 21$

iv)  $24x^2 - 41x + 12$

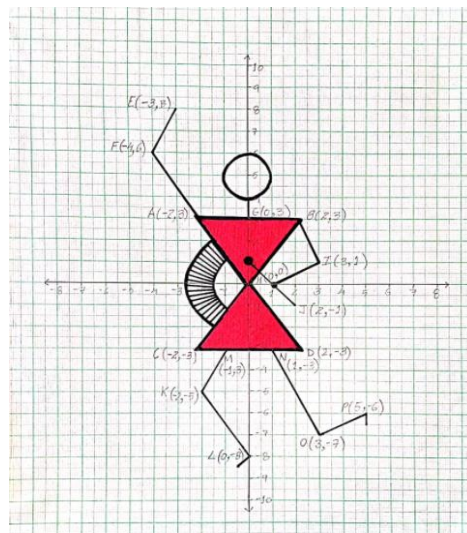
## 4. CREATIVE CORNER (LEARNING IS FUN)

### (A) SQUARE ROOT SPIRAL ACTIVITY

Using your own creativity draw an interesting fig to show square root spiral.(example is shown)



### (B) COORDINATE GEOMETRY ACTIVITY



**Plot coordinates( points) in a cartesian plane.**

**You are free to select coordinates. Using these coordinates make a drawing that reflects**

**Your creative skills.(A fig for reference is shown here.)**

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## **SCIENCE**

### **CHEMISTRY**

**The Sustainable Development Goals includes**

This is the link address to provide all the sustainable goals

<https://sdgs.un.org/goals/goal4>

Your aim is to choose ANY ONE or amalgamation of all the goals SELECTED from the 17 SDG's and design a science model .

The selected ones are :

- **Clean Water and Sanitation**
- **Affordable and Clean Energy**
- **Sustainable Cities and Communities**
- **Climate Action**
- **Life Below Water**
- **Life On Land**

**Your model should meet the learning objectives:**

- To promote the kind of development that minimises environmental problems.
- To meet the needs of the existing generation without compromising with the quality of the environment for future generations.

#### **Examples of Sustainable Development**

- Wind energy
- Solar energy
- Crop rotation
- Sustainable construction
- Efficient water fixtures
- Green space
- Sustainable forestry
- Turbines that utilize hydro energy.
- Windmills frequently use wind energy.
- With advances in solar cells and related technologies, solar energy is being used more widely.
- Effective and recycled water utilization.
- Sustainable building techniques and green architecture.



- Crop rotation and other related farming practises.
- Upkeep and expansion of environmentally friendly green places.

OR

Design a toy / game using any one Newton`s Laws of motion.

The model will be assessed on the following rubrics

- Scientific Relevance
- Creativity
- Following the given Sustainable development goals
- Presentation
- Designing

## **BIOLOGY**

Make a MIND MAP /CONCEPT MAP on any topic from the chapter“FUNDAMENTAL UNIT OF LIFE”

( MIND MAP/CONCEPT MAP -Mind mapping is simply a diagram used to visually represent or outline information. It is a powerful graphic technique you can use to translate what is in your mind into a visual picture. Since mind mapping works like a brain, it allows you to organize and understand information faster and better)

Read and understand the chapter carefully ,choose any topic, categorize and organize the ideas you have brainstormed and identify their relationships. Use a single page or space and place information and check its connections .Use colors , images and key words as they aid in enhancing your memory and retention.

For support, you may use link s<https://www.mindmeister.com> OR <https://www.entracei.com>

Your work will be judged on the following Rubrics :-

Creativity/Content knowledge/Presentation/Expression/Artifact and this will be part of Portfolio which will be marked for internal assessment.

Take the time to learn how to Mind Map with these seven steps, and use the Mind Map principles

1. Start in the centre of a blank page. Your brain has more freedom to spread out in all directions
2. Use an Image or Picture for your central idea
3. Use Colours throughout
4. Connect Main Branches to the central image
5. Make your lines curved: Straight lines are boring. Curved branches are attractive
6. Use One Key Word per line as single Key Words give your Mind Map more power and flexibility

7. Use Images (wherever possible)

Please note : These are just guidelines ,you may be creative in your presentation!!

**PHYSICS:**

PLAY AND HAVE FUN:

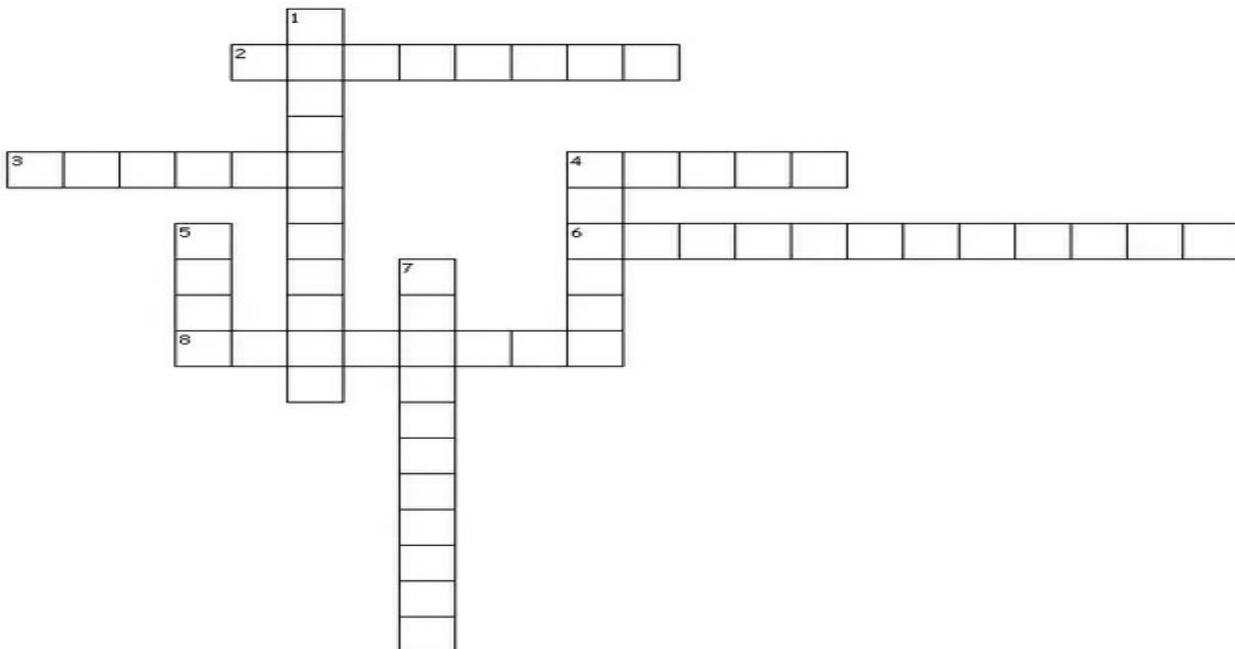
**CrosswordPuzzle:**

*Across*

- 2. Physical quantity obtained by dividing displacement with time taken
- 3. A quantity having both magnitude and direction
- 4. This remains constant in uniform circular motion
- 6. It is the slope of speed -time graph
- 8. This measure the distance travelled by the car

*Down*

- 1. This is the other name for negative acceleration
- 4. The speed is said to be a
- 5. This is the acceleration of the body with uniform velocity



7. This measure the speed of the car

.....

## Social Science Project Document.

For **inter disciplinary project** students to be divided into groups where they have to work individually on preparation of slides on the given topic to each .

Topics are as follows :

1. Classification of forest – type
2. Classification during colonial regime of forest
3. Wildlife of forest – habitat – endangered species
4. Threat to forest , methods adopted for conservation of flora and fauna by government and local communities .
5. Rebellion in the forest during colonial rule.
6. Scientific forestry , commercial forestry
7. Impact of colonial rule on forest and tribals .

1 group will have 5-6 slides in which compiler have to prepare an objective and outcome of the ppt .

Students can work on different aspects like -

1. Research work (interview)
2. Role play
3. Story based presentation
4. Art integration – collage , poster
5. Interactive bulletin board
6. Concept map
7. Gallery work
8. Integration of technology

### FILE WORK :

Individual projects to be prepared by the every student on – Disaster Management

Topics to be covered :

- Earthquake
- Flood
- Tsunami
- Drought
- Cyclone
- Fire
- Terrorism
- Industrial disaster
- First aid : I) animal bite ii) burn and heatstroke iii) fracture

Compulsary content in the project are :

1. Content /index
2. Learning objective
3. Introduction to the disaster
4. Ways to manage I) before ii) during iii) after
5. Case study
6. Conclusion – innovative ideas generated in the process
7. Bibliography
8. Questionnaire is must.

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### **FOOD PRODUCTION**

1. Make a chart / power point presentation on different departments of the hospitality sector.
  2. Make a chart of allied fields of hospitality sector.
  3. Make a collage/power point presentation on career opportunities in hospitality sector.
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### **ARTIFICIAL INTELLIGENCE**

1. Identify examples of narrow and broad AI from your daily life applications.
2. Make a rough layout of the floor plan of a dream smart home.

What would be its features and amenities?

What kind of gadgets and sensors would it have?

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### **MEDIA**

1. Create a slide presentation on various Communication skills
  2. Specify the different image file formats
  3. Explain the following tools/functions in Photoshop and shortcut key combinations  
a. Add new layer b. Transform c. Brush tool d. Magic wand e. Lasso tool
  4. Write the importance of a vocational subject and also write the areas or fields where media is playing a great role .
-

## DATA SCIENCE

1. Collect data of 50 Motor vehicles passing by your house. You can record the number of wheels, the color of the vehicle and try to present the data as a dot plot. Find the color of the vehicle, which is most common, and the least common vehicle has how many wheels.

2. Write a paragraph on how data and analytics help in:

- Fighting crimes
- News and information

3. Think of five positive and negative impacts of data footprints on social media and write them in your notebook.

4. Enlist 10 common computer viruses and write about them.

5. Make a PowerPoint presentation with each of the following points on different slides put appropriate pictures and make it attractive

1. We are surrounded data. Every computer, every mobile device, every camera generates immense amount of data which greatly affects our daily lives.

2. This volume of data when properly analyzed becomes the basis of many innovations, technology advancements and actionable insights.

3. Analysis of data leads to creation of information, knowledge and wisdom.

4. Healthcare, online shopping, travel, education, online shows are some of the ways data influences our daily lives

5. We create enormous amount of data footprints by using different online platforms

6. There could be many ways data can be lost. So it is important to always keep a data recovery plan

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## INFORMATION TECHNOLOGY

**Project - NAGRAJ**

**GENERAL INSTRUCTIONS:**

1. Take a printout of the output.
2. Write your name, class and section on the top right hand side of your page.

**Topic for HW – Nagaland Vs Rajasthan(NagRaj)**

1.

(i) Create a paragraph style namely “specific” with the following settings:

Font name:Verdada Font size:10 Font color:blue

First line indent:0.04” Line spacing:1.5lines Before/after paragraph spacing:0.06”

(ii) Create a character style namely “italicolor” which makes the selected text italic and

having color red.

(iii) Open a formatted document. Create a new style from the formatted heading

of the document.

2. Use appropriate images and text data to do a comparative study of food, festivals, dances, costume, customs and rituals of the 2 states.

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## **INTRODUCTION TO FINANCIAL MARKETS**

1. Make an innovative PowerPoint Presentation on Evolution of Money across the World (Maximum 10 slides)
  2. Revise Chapters 1, 2 and 3  
CH 1 Money -what it is  
CH 2: Money-exchange systems  
CH-3: Key characteristics of money
- 

## **Holiday Assignment of Art-Art Education**

‘Great masters work’ - make a replica of art work of any of your great European master like VanGogh, Paul Klee, Andy Warhol , Monet, Etc.

It has to be done on A 3 Size ivory Sheet or Canvas (Stretched)  
Medium Poster colours/Acrylic  
Colour the whole surface.

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## **Subject: Vocal Music**

### **Instructions:**

1. In your music notebook write down all these:
  - Alankaars 1 to 10
  - Bhajan- payoji maine guru charno mein vishraam
  - Taal- Dadra, kehrwa, teen taal, rupak
  - Prayers- tu hee ram hai tu Rahim hai, tu pyaar ka saagar
  - Patriotic Song- nij rashtra ke shareer ke shringaar ke liye
  - Songs- saare jahan se accha, hum honge kamyab

- School prayer- I would be true
  - School song- Oh come let's sing of MGD
  - Folk song- any one regional folk song of your choice
  - National song- Vande matram
  - National anthem
2. Learn and practise all songs and prayers.
  3. I will check the notebooks once the school reopens.

**Kathak Dance**

**Prepare one semi classical dance**

**Instrumental Music (Tabla)**

Class - 9

- Practice the following “taal” and “palte”

(i)

ताल

1. ताल तीनताल

धा धिन धिन धा । धा धिन धिन धा

\*

2

धा तिन तिन ता । ता धिन धिन धा

0

3

2. ताल कहरवा

धा गे ना ती । ना क धी ना

\*

0

3. ताल दादरा

धा धी ना । धा ती ना

\*

0

4. तालरूपक

तीन तीन ना । धिन ना । धिन ना

0

2

3

5. कायदातीनताल

धा धा तीट । धा धा तिन ना

ता ता तीट । धा धा तिन ना

(ii) पल्लटे

1. धा धा ती ट । धा धा ती ट

धा धा ती ट । धा धा तिन ना  
ता ता ती ट । ता ता ती ट  
धा धा ती ट । धा धा तिन ना

2. धा ती ट धा । ती ट धा धा  
धा धा ती ट । धा धा तू न  
ता ती ट ता । ती ट ता ता  
धा धा ती ट । धा धा तू ना

3. धा धा धा धा । ती ट ती ट  
धा धा ती ट । धा धा ती ना  
ता ता ता ता । ती ट ती ट  
धा धा ती ट । धा धा ती ना

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## Sculpture

1. **Creative phone cover with clay**
  2. **Relief work on key holder**
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