

SUMMER VACATION HOMEWORK



ENGLISH

1. My Travel Tale (Imaginative Writing)

Write a short story (200–250 words) titled "A Journey to the Land of Books" or any travel-based adventure. *Book Review Buddy*

2. Character Poster

Choose a character from a story or book you've read. Create a poster showing their traits, likes, dislikes, and a famous quote or dialogue.

3. Write a reflection on any such keen observation of small animals and insects seen around us.

OR

Project: How to keep pets - preventions and methods.

(select a pet you want to keep. Write about how to maintain the health and hygiene of your pet)

HINDI

गतिविधि-1 : शब्द सीढ़ी

 नीचे दी गई शब्द सीढ़ी को ध्यान से देखिए । शब्द के अंतिम अक्षर से नया शब्द बनाएँ और सीढियाँ चढ़ते जाएँ (चित्र सहित)



- 2. कठप्तली कविता को चित्र सहित लिख कर याद करें।
- 3. घर में उपलब्ध वस्तुओं से आप एक कठपुतली बनाए ।



SANSKRIT

अधोलिखितानां संख्यानां संस्कृतभाषायां अक्षरेण लिखत। (नीचे दी गई संख्याओं को 1. संस्कृतभाषा में लिखिए) उदाहरणम्- 25- पञ्चविंशतिः 20 - ____ (i) 29-(v) 28 - ____ (vi) 50-____ (ii) 38 - _____ 47-____ (vii) (iii) (viii) 19-44-(iv)चित्रं दृष्ट्वा वाक्यानि रचयत। (चित्र को देखकर वाक्य बनाइये) 2. यथा- 🚺 🖜 बालकः पठति। (क) (ख) (ग) (ਬ) (ਤਾਂ)

 अधोलिखितश्लोकं स्वसञ्चिकायां लिखित्वा कण्ठस्थं कुरुत (निम्नलिखित श्लोक को अपनी कॉपी में लिखकर याद किजिए। पृथिव्यां त्रीणि रत्नानि जलमन्नं सुभाषितम्। मूढ़ैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते।।

श्लोकार्थः- 'पृथिव्यां त्रीणि रत्नानि' का अर्थ है, 'पृथ्वी पर तीन रत्न हैं'। यह सुभाषित (सत्य कथन) बताता है कि पृथ्वी पर तीन मुख्य मूल्यवान चीजें हैं: जल, अन्न और अच्छे वचन (सुभाषित)। मूर्ख लोग पत्थरों को भी रत्न मान लेते हैं. विस्तार से: जल (जल): जीवन के लिए आवश्यक है। अन्न (अन्न): जीवन के लिए आवश्यक है। सुभाषित (अच्छे वचन): सत्य और जान का स्रोत हैं, जो दूसरों को प्रेरित करते हैं। यह सुभाषित हमें यह भी सिखाता है कि वास्तविक मूल्यवान चीजें क्या हैं और हमें मूर्ख लोगों की तरह पत्थर के टुकड़ों को रत्न नहीं मानना चाहिए।

MATHEMATICS

1. Create a Model of Angles Using Ice-Cream Sticks

Construct models of various types of angles (acute, right, obtuse, straight, reflex, and full angle) using ice-cream sticks. Label each angle clearly with its name and approximate measure.

2. Construct 3D Shapes and Identify Their Properties

Make models of a **cube**, **cuboid**, and **cone** using suitable materials (e.g., cardboard, clay, straws). For each shape, list the number of **faces**, **edges**, and **vertices**.

- Calculate the Mean Age of Family Members
 Record the ages of any five family members. Show your calculation to find the mean
 (average) age of the group.
- Draw and Analyze Symmetrical Objects
 Draw any three objects that exhibit symmetry (e.g., butterfly, leaf, geometric shape).
 For each drawing, identify and mark the lines of symmetry.
- Explore the Life and Contributions of Two Indian Mathematicians
 Research and write a short note on the life history and mathematical contributions
 of any two renowned Indian mathematicians (e.g., Srinivasa Ramanujan, Aryabhata,
 or Brahmagupta).

SCIENCE

1. Make a project on the topic given below.

*Project Title: "Understanding the Digestive System of Humans"

*Objective:

*Materials Required:

*Conclusion:

HINT:-

Project Ideas (Choose One):

Option 1: Digestive System Chart Model

- 1. Draw the human digestive system on a chart paper.
- Label the parts Mouth, Esophagus, Stomach, Liver, Pancreas, Small Intestine, Large Intestine, Rectum, Anus.

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- 3. Write the function of each part beside it.
- 4. Add arrows to show the path food takes.

2. **Case Study:**

Rohan noticed that a green patch of algae had grown on the wet walls of his school building during the rainy season. Curious, he asked his science teacher how algae could grow without anyone planting or watering it. His teacher explained that algae are simple autotrophic organisms that can prepare their own food using sunlight, water, and carbon dioxide. She also mentioned that not all plants make their own food; some depend on other organisms.

Case-Based Questions:

- Why did algae grow on the wet walls during the rainy season? 1.
- 2. What type of nutrition do algae exhibit?
- 3. Name other types of nutrition in plants apart from autotrophic nutrition.
- 4. Give one example each of:
 - a parasitic plant
 - a saprotrophic organism
- 5. What value is shown by Rohan's behaviour in this case study?

SOCIAL SCIENCE

- 1. Create a colorful timeline showing major events between 700 CE and 1700 CE.
- 2. Draw and label a diagram to illustrate the layers of the earth.
- 3. Make a poster on save environment and write a slogan on it.
- 4. Make a colorful poster showing "Government's Role in Keeping Us Healthy" (examples: vaccinations, clean water, hospitals).

COMPUTER

(iii)

25

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- Convert the following into its Binary Equivalent: 1.
 - (i) 52 (ii) 64
 - (v) 56 (iv) 120

2. Convert the following into its decimal equivalent:

(i)	(101)2	(ii)	(101011) 2	(iii)	(10001) 2
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- (iv) $(10101)_2$
 - (v)
- **Binary Addition:** 3.
 - 101 + 11b) 111 + 111 c) 1010 + 1010a)

(111101)₂

d) 11101 + 1010e) 111111 + 111111

4. Binary Subtraction:

- 110 10
- d) 1101 11

101 - 11

1001 - 11

c)

e) 10001 - 100

b)

SKILL EDUCATION

Water Conservation Activity

Description:

a)

• Water is often overused in our homes and schools, such as when washing utensils or leaving taps open. Water, if not used properly, can deplete this resource quickly.

What you have to do:

- State a problem related to water wastage (in 100 words).
- Propose a solution to that problem in the form of a chart or diagram showing how water can be saved. Example.

Objective:

Conservation of water and responsibility towards the environment

