

Holidays Homework

Theme : AI and Smart Water Conservation

Class : VII

Session : 2026-27



General Instructions:

The holiday homework has been divided into Two parts

- Ek Bharat Shresth Bharat
 - Subject Based
1. All the work should be done on A4 size sheets.
 2. It should be creative, neat and clean.
 3. Ek Bharat Shresth Bharat project must have following :
 - Cover page
 - Certificate
 - Acknowledgement
 - Index
 - Bibliography
 - Size of sheet must be A-4.
 5. The final date for submission of Holiday homework is Monday, 6th July, 2026

ENGLISH

Topic: Ocean Poetry Art

Instructions:

1. Prepare the activity on an A2 size sheet..
2. Self-compose a beautiful poem on any of the topics mentioned below:

My Friendly Robot

The World of Artificial Intelligence

A Smart Robot in My School

The Future City of Robots

The Magic of Smart Machines

and has to be written on the below cutout mentioned.....

CUTOUT INSTRUCTIONS-

Draw a large aquatic animal or ocean-related object such as: Beautifully decorated –

Mermaid 🧜 cutout

4. The picture must be:

- o Completely hand-drawn
- o Large in size
- o Clearly visible

2. Kindly complete this assignment in your registers-

https://drive.google.com/file/d/18akjFGzZD0hm9kSEfcqadx_YDXWw01MI/view?usp=drivesdk

HINDI

1. AI की सहायता से जल प्रदूषण की रोकथाम पर A3 साइज़ शीट एक पोस्टर तैयार कीजिए और इस विषय पर एक अनुच्छेद लिखिए।

2. विद्यार्थी प्रतिदिन 10-15 शब्दों का श्रुतलेख मात्राओं के अभ्यास हेतु अवश्य लिखिए।

3. विद्यार्थी सुंदर और स्पष्ट लेख के लिए 20 पृष्ठ का सुलेख अवश्य लिखिए।

नोट: सुलेख का कार्य एक अलग उत्तरपुस्तिका में कीजिए।

0. निम्नलिखित असाइनमेंट कार्य A4 शीट पर करें -

<https://drive.google.com/file/d/11lySyikAMYpK18h3K1O5J9ywChPL0uRJ/view?usp=drivesdk>

https://drive.google.com/file/d/1u9V_A1ROQoEsrsE5-GBAtcDjpUlg45Qp/view?usp=drivesdk



MATHS

1. Do the given assignment on A-4 size sheet by clicking the link given below:

<https://drive.google.com/file/d/1Bu6Fl8wFOrLdMI5h0gpdLatYrxwWMtCA/view?usp=drivesdk>

2. Make a working model using AI:

- Mathematics Multiplication Calculator(Roll no. 1-5)
- Types of Angles(Roll no. 6-10)
- Properties of Triangle(Roll no. 11-15)
- Multiplication machine (Roll no. 16-20)
- Division machine(Roll no. 21-25)
- Calculator(Roll no. 26-30)
- Vertically Opposite Angles(Roll no. 31 onwards)

Social Studies

Q1. Make a working model using AI on the topic “Water Conservation” according to the Roll No.s

Roll No. 1-10 Rainwater Harvesting Model: Show how roof water is collected, filtered, and used for groundwater recharge.

Roll No. 11-20 Drip Irrigation Model: Demonstrate how drop-by-drop irrigation saves water in farming using bottle & pipes.

Roll No. 21- 30 Water Cycle + Dam Model: Display natural water cycle along with a dam that stores water for later use.

Roll No. 31 and Above Hydro Greywater Recycling Model: Show filtration of used kitchen water and its reuse for gardening.

Q 2. Complete the Assignment in your fair notebook:-

https://in.docworkspace.com/d/sbCaecHwxlmwr8FF_rcxej09yb05en8xarc

SCIENCE

1. Complete the worksheet provided below, based on the concepts from Chapters 1 & 2. Please access the document via link given below and take a printout of the same.

Link- https://drive.google.com/file/d/1l_NgO41X4NOzzG1BjJoQg_JWyL9nHdA7/view?usp=sharing

0. Write on A-4 size sheets and maintain a file.

- . What is Artificial Intelligence?
- a. What is water conservation and why is it important?

b. How AI is used in:

- i) Smart irrigation systems
- ii) Detecting water leakage
- iii) Managing water supply in cities

d. Suggest two ways by which you can save water at home.

3. Make a poster/infographic on 'Save Water with AI'.

- Include:
1. Smart Irrigation
 2. Water sensors
 3. Clean water future

Make it colourful and informative.

4. Make a working model according to the roll no.'s.

Roll No. 1-7- Air pollution control model

Roll No. 8-14- Rainwater harvesting

Roll No. 15-21-AI in irrigation

Roll No. 22-28 -Gas evolution reaction

Roll No. 29-35 - Water dispenser

Roll No. 35 and above- Newton's cradle

SANSKRIT

1. संस्कृते नारा (Slogan Writing)

- * "जलम् जीवनम् अस्ति।"
- * "जलरक्षणं सर्वेषां कर्तव्यम्।"
- * "AI सह जलं रक्षामः।"

2. पोस्टर निर्माणम् (A3 sheet)

विषयः —

"Save Water with AI"

चित्रे लिखन्तु —

- * स्मार्ट नलः
- * वर्षाजलसंग्रहणम्
- * जलमापकयन्त्रः
- * वृक्षारोपणम्

3. चित्रं निर्माय संस्कृते लिखत —

"स्मार्ट जलमापकयन्त्रः" (Smart Water Meter) कथं कार्यं करोति ? (3D modal make)

<https://acrobat.adobe.com/id/urn:aaaid:sc:AP:51f275cb-7c6c-48c9-8a67-2248c3ff5a0b>

COMPUTERS

1 Create a creative and colourful comic strip based on the theme “**Artificial Intelligence in the Future.**”

Your comic strip should include any one or more of the following ideas:

- AI helping students in studies
- Robots working in schools
- Future smart cities using AI technology

Instructions:

1. Draw at least **4–6 comic panels**.
2. Add **dialogues, captions, and speech bubbles** to make the story interesting.
3. Use colorful illustrations and creative characters.
4. Show how AI makes life easier and smarter.
5. Give your comic strip a suitable title.

Materials:

- A4 sheets/chart paper or A3 size sheet

Q 2 Create a creative collage on the theme “**Future Technology**” using magazine cuttings, newspapers, or printed pictures.

Your collage should include images related to:

- Robots
- AI machines
- Smart gadgets
- Future transportation

Instructions:

1. Collect and paste relevant pictures neatly on chart paper or A4 sheet.
2. Arrange the pictures in a creative and organized way.
3. Add **captions** for each picture explaining what it represents.
4. Give your collage a suitable **title**.
5. Make it colorful, neat, and visually appealing.

Q 3 Design a creative and informative poster titled “**AI in Our Future**” showing how Artificial Intelligence can help improve different areas of our community.

Your poster should include examples of AI in:

- 🏥 **Hospitals** (AI in healthcare, diagnosis, patient care)
- 🚗 **Cars** (self-driving vehicles, traffic safety systems)
- 🎓 **Schools** (smart learning, AI tutors, digital classrooms)

Instructions:

1. Create your poster on chart paper or digitally.
2. Use colorful drawings, symbols, or printed images.
3. Add short captions explaining how AI is used in each area.
4. Include a clear and attractive title: “**AI in Our Future**”.
5. Keep the layout neat, creative, and easy to understand.

Assignment

<https://drive.google.com/file/d/1II1f9bT8T7owEMhYBD3Y6v5HVAO5U-0S/view?usp=drivesdk>

Art and Craft

Make colourful Traditional Mask of Sikkim.

Ek Bharat Shrestha Bharat

English

Project Title:

Secrets of Sikkim – A Cultural Discovery

Prepare an attractive project file on the culture and lifestyle of Sikkim. Research about its festivals, folk dances, food, tourist attractions, organic farming, climate and traditions. Compare any two things between Sikkim and your own state/city, such as food, clothing, festivals or lifestyle.

Include creative sections like travel tips for tourists, a podcast/radio script welcoming visitors to Sikkim, interesting facts, local stories or eco-friendly practices followed in the state.

Write any ONE creative piece:

- a poem on Sikkim,
- a mystery story set in a monastery,
- or a dialogue between a tourist and a local resident.

Use pictures, maps, headings and colourful presentation.

Social Studies

Prepare a project file on the topic: "Sikkim – History"

1. Life and Environment"
2. Also highlighting its historical background,
3. Lifestyle of people,
4. Cultural environment
5. Agricultural methods

(Use A4 size sheet)

Sanskrit

SIKKIM (use A3 sheet)

1. "Eco-Friendly Sikkim" Activity

सिक्किमस्य प्राकृतिकचित्रं निर्माय संस्कृते 5 वाक्यानि लिखन्तु

2. सिक्किमस्य सौन्दर्यं जलस्य संरक्षणे अस्ति।"

Science

Environment & Sustainable Living in Sikkim

Theme: Eco-friendly Sikkim

Find out:

- Why plastic bags are banned in Sikkim
- How pollution affects mountains and rivers

Write 5 preventive measures and paste related pictures.

MATHS

NOTE: Do in A-4 size sheets.

Make a Project on:

 Sikkim — Geography & Large Numbers

*Write the population of Sikkim in numbers and words.

*Round off the height of Kangchenjunga to nearest thousand.

*Compare lengths of major rivers like Teesta River using place value.

 Mountains, Roads & Integers

*Show heights of places above sea level as positive integers.

*Show valleys/depths as negative integers.

*Make a number line of elevations including Nathula Pass.

 Sikkim Culture & Fractions

*Fraction of people belonging to Bhutia, Lepcha, Nepali communities.

*Fraction of colors in prayer flags.

*Fraction of ingredients in traditional foods.

 Organic Farming in Sikkim & Ratio-Proportion

*Ratio of crops grown (cardamom : vegetables : fruits).

*Proportion of organic farms in villages.

*Seed to crop yield ratios.

 Monasteries & Geometry

*Find symmetrical designs in Rumtek Monastery.

*Identify angles in roof patterns.

*Draw geometric patterns inspired by monastery tiles.

 Weather of Sikkim & Data Handling

*Make a bar graph of monthly rainfall.

*Table of temperature in summer and winter.

*Compare rainy vs dry months.

 Tourism in Sikkim & Perimeter–Area

*Find perimeter of MG Marg (model map).

*Estimate area around Tsomgo Lake using shapes.

*Design a tourist park layout with measurements.

 Houses of Sikkim & Mensuration

*Identify cuboid, cylinder shapes in houses.

*Why sloping roofs? Measure angles.

*Model of a Sikkim house using 3D shapes.

Hindi

प्रोजेक्ट शीर्षक - सिक्किम दर्शन

अनुक्रमांक 1 - 20

. सिक्किम पर्यटन पोस्टर -

‘सिक्किम आइए’ शीर्षक से सिक्किम के प्रसिद्ध स्थानों, वन्यजीवों को दर्शाते हुए A3 चार्ट पर एक पोस्टर बनाइए तथा एक अनुच्छेद लिखिए।

अनुक्रमांक 1- 40

‘सिक्किम साफ क्यों है’ इस विषय पर A3 चार्ट पेपर पर चित्र बनाइए तथा लिखिए कि सिक्किम ने क्या क्या कदम उठाए।

स्वच्छता पर 2-2 स्लोगन लिखिए।