

# **ARMY PUBLIC SCHOOL**

## **AHMEDNAGAR**

### **TRANSDISCIPLINARY PROJECT CLASS VII**

#### **HOLIDAY HOMEWORK 2024-25**

##### **ENGLISH & SST.**

###### **World Traveller**

The students plan vacations, **building research skills while touching on Social Science and English as core subjects.**

As students work to create week-long travel itineraries to their ideal destinations. The product should include information about:

- Landmarks and their historical significances.
- Popular food dishes and the predominant cuisine. Why that cuisine is cooked in that particular manner.
- Languages or dialects spoken in that area or country.
- Cultural events that take place in that particular region or country.
- Climate of the destination.

**Instructions:- (Any two projects to be done for S.S out of Questions 2, 3 and 4 )**

**STEP 1 (For both SS and English):**

Choose your favourite tourist destination that you will travel to or wish to visit in your summer vacation 2024.

###### **QUESTION 1:**

Plan your itinerary keeping in mind your interests, desires, budget, feasibility, etc. and write it in your scrapbook **(For English only)**

### **QUESTION 2:**

Keep a genuine bill handy, that is to be used for understanding GST, SGST, any other tax that is mentioned in the bill. Calculate the tax and write the total amount of the bill, tax levied, any discounts mentioned and net bill amount (*If you have not travelled to any place, leave this question*)

### **QUESTION 3:**

Take cognizance of the flora and fauna around you and identify the endangered species that you may see or are likely to find therein your scrapbook (**for S.S only**).

### **QUESTION 4:**

Narrate your experience and learnings along the way (cultural, ethical, moral, emotional, etc). during this travel through a podcast, personal narration or self-created video (**for English and S.S**).

In case you are not planning to go anywhere during this vacation then to wrap up the exercise using, one can explore some destinations with the help of technology such as **Google Earth**.

The data could be presented in the form of a **collage in your scrap, Podcast** of a traveller (kind of an interview), **Role-play**, personal **narration**, self-created **video**, etc.

### **Rubrics for English and Social Science**

- CONTENT
- CREATIVITY AND ORIGINALITY
- FLUENCY & COHERENCE
- PRONUNCIATION AND INTONATION
- OVERALL IMPACT

### **LEARNING OUTCOMES**

1. - Students will enhance their ability to locate, evaluate, and synthesize information from various sources, such as travel websites, books, and articles, to plan comprehensive travel itineraries.

- They will learn to discern credible sources and extract relevant details to construct meaningful and engaging travel plans.

2. - Through researching different destinations, students will develop a deeper understanding of global geography and cultural diversity.

- They will explore the unique customs, traditions, landmarks, and attractions of their chosen destinations, fostering appreciation for different cultures and societies.

3. - Students will engage in critical analysis and decision-making processes to prioritize activities and attractions within their travel itineraries.

- They will weigh factors such as budget constraints, time limitations, personal interests, and accessibility to optimize their travel plans effectively.

4. - Students will practice communicating their ideas effectively by organizing and presenting their travel itineraries in a clear, coherent manner.

- They will develop oral and written communication skills as they articulate their chosen destinations, activities, accommodations, and transportation options to their peers or instructors.

5. - By budgeting for accommodations, transportation, meals, and entertainment, students will enhance their financial literacy skills.

- They will learn to calculate expenses, manage budgets, and make informed financial decisions to ensure their travel plans remain within realistic financial constraints.

6. - Students will exercise creativity and innovation in designing unique travel experiences tailored to their individual preferences and interests.

- They will explore alternative routes, off-the-beaten-path attractions, and unconventional lodging options, fostering imaginative problem-solving skills.

7. - In group settings, students may collaborate to plan joint travel itineraries, requiring effective teamwork, communication, and compromise.

- They will learn to leverage each other's strengths, delegate tasks, and resolve conflicts constructively to achieve shared goals.

8. - After completing their travel plans, students will reflect on their decision-making processes, successes, challenges, and lessons learned.

- They will engage in self-assessment to identify areas for improvement and develop strategies for enhancing their planning skills in future endeavors.

By integrating these learning outcomes into the vacation planning activity, students can acquire valuable skills across multiple disciplines while enjoying a practical and engaging learning experience.

## HINDI

### TRANSDICIPLINARY PROJECT CLASS 7

#### पाठ – पापा खो गए

#### विषय परिचय

अपने संदेश दूसरों तक पहुँचाने के लिए अनेक साधनों का प्रयोग किया जाता है। जैसे - समाचार पत्र, चित्र, ईमेल, व्हाट्सअप आदि। प्राचीन काल में भी अनेक संपर्क साधनों का प्रयोग किया जाता था। समय के साथ आधुनिक काल में इन साधनों में परिवर्तन आ गया है। इन संपर्क साधनों का हमारे जीवन में बहुत ही महत्वपूर्ण स्थान है।

**निम्न में से किन्हीं दो विषयों (Any two Subjects) पर अंतर्विषयक परियोजना (Transdisciplinary Project) करें। प्रत्येक प्रश्न के लिए दिए गए निर्देशों का पालन कीजिए।**

**HISTORY** – प्राचीनकाल और आधुनिक काल में समय के साथ संपर्क साधनों में आए परिवर्तन के अंतर को बताइए।

**(सामग्री - रंगीन पेपर पर प्राचीन एवं आधुनिक संपर्क साधनों के चित्र चिपकाकर अंतर को लिखिए।)**

**ENGLISH** – कक्षा में अध्यापक द्वारा आधुनिक तकनीकी साधन के लाभ और हानि की रोचक जानकारी प्राप्त हुई, इस संबंध में पत्र लिखकर अपने माता-पिता को अपने विचार बताए।

**(सामग्री - प्रोजेक्ट पेपर पर लिखकर फाईल बनाइए।)**

**HINDI**-आपकी दादी ने अपने समय में और आज के समय में तकनीकी साधनों में कैसे बदलाव आया इस की जानकारी दी, उसे आप कहानी रूप में लिखकर प्रस्तुत करें।

**(सामग्री - प्रोजेक्ट पेपर पर लिखकर फाईल बनाइए।)**

**SCIENCE** – वैज्ञानिक क्रांति के कारण संपर्क साधनों में क्या बदलाव आए, इस का प्रतिकृति बनाकर प्रस्तुतिकरण करें ।

**(सामग्री – संपर्क साधनों की प्रतिकृति(चित्र) बनाइए ।)**

**GEOGRAPHY** – आप जिस क्षेत्र में रहते हो, उस क्षेत्र के मानचित्र का 'गुगल मॅप' द्वारा प्रस्तुतिकरण कीजिए और निम्नलिखित बिंदुओं की जानकारी का उसमें समावेश कीजिए –

१. रस्ते और यातायात के साधन ।

२. प्रमुख स्थान (बस स्थानक, रेल्वे स्थानक, डाकघर, अस्पताल आदि ।)

**(सामग्री – गुगल मॅप(map) का प्रयोग करें ।)**

### LEARNING OUTCOMES

- छात्र पुराने और आधुनिक संपर्क साधनों की जानकारी प्राप्त करेंगे ।
- यातायात के साधनों में हुए बदलाव की जानकारी प्राप्त करेंगे ।
- वैज्ञानिक दृष्टिकोण का विकास होगा ।
- पत्र लेखन और कहानी लेखन द्वारा रचनात्मक सोच और लेखन कौशल विकसित होगा ।
- छात्रों में आत्मविश्वास, तार्किक सोच और प्रतिकृति बनाने से सृजनात्मक क्षमता विकसित होगी ।

### परियोजना कार्य के मापदंड ->

शुद्ध उच्चारण	-	४
विषय वस्तु	-	४
समय पर प्रस्तुतीकरण	-	४
हाव -भाव	-	४
आत्मविश्वास	-	४

### SANSKRIT

पाठ ४ त्रिवर्णः ध्वजः

1) प्रस्तुत पाठ में हमारे देश के राष्ट्रीय प्रतीक तिरंगे झंडे के विषय में बताया गया है। भारत के तिरंगे झंडे का क्या महत्व है? तीन रंग केसरी, सफेद और हरा रंग किसके सूचक हैं और इसका सामान्य नागरिक पर क्या प्रभाव पड़ता है यह अपने विचारों द्वारा प्रस्तुत कीजिए।

2) 'हर घर तिरंगा' भारत सरकार के द्वारा अभियान चलाया गया भारतीय लोगों ने इस अभियान को धूमधाम से मनाया इस अभियान से लोगों के मन में राष्ट्र प्रेम की भावना जागृत होने का मुख्य उद्देश्य था इस उद्देश्य को पूरा करने के लिए हमने अपना कितना योगदान दिया यह अपने शब्दों में प्रस्तुत कीजिए- समाजशास्त्र

2) 15 अगस्त एवं 26 जनवरी यह दिन राष्ट्रीय त्योहार के रूप में मनाया जाता है इस समय राष्ट्रध्वज के प्रति प्रेम दर्शाने के लिए भिन्न-भिन्न प्रकार के नारे दिए जाते हैं इस नारों का लेखन करके उसे संकलित किया जाए। हिंदी एवं अंग्रेजी में

3) विश्व व्यापक भगवान को भक्त मूर्ति के रूप में देखा है उस प्रकार से एक विशाल राष्ट्र का राष्ट्रध्वज राष्ट्र का प्रतीक होता है , राष्ट्र को प्रतीक के रूप में देखने के लिए भारतीय संविधान सभा ने तिरंगा ध्वज का ही स्वीकार करने का मुख्य उद्देश्य क्या था यह स्पष्ट कीजिए - इतिहास

4) विविधता में एकता दर्शाने के लिए भारतीय लोग भिन्न-भिन्न प्रकार के त्योहार मनाते हैं। जैसे देखा जाए तो भारत एक उत्सव प्रिय राष्ट्र है, परंतु देशवासियों में सबसे अधिक एकता दर्शाने वाला महत्वपूर्ण त्योहार का वर्णन अपने विचारों द्वारा प्रस्तुत कीजिए? इतिहास

5) भारतीय क्रांतिकारियों ने राष्ट्रध्वज के रूप में तिरंगा हाथ में लेकर आंदोलन किया उस समय तिरंगे का स्वरूप क्या था और वह कैसे बदलता रहा उस बदलते हुए स्वरूप का चित्रीकरण करके उसके बारे में जानकारी स्पष्ट करें? चित्रकला

6) राष्ट्रध्वज में अशोक स्तंभ से लिया हुआ अशोक चक्र प्रगति का द्योतक है तो आजादी से अब तक हमारे देश का प्रगति का ग्राफ कैसे बढ़ता गया यह ग्राफ के माध्यम से स्पष्ट कीजिए ? गणित

7) संगीत शास्त्र एक परिपूर्ण शास्त्र है उसके माध्यम से लोगों को खुशियां प्राप्त होती है तो तिरंगे ध्वज: पर आधारित किसी एक गीत का प्रस्तुतिकरण सस्वर कीजिए।

**परियोजना कार्य के मापदंड -**

शुद्ध उच्चारण -

विषय वस्तु	-	4
समय पर प्रस्तुतीकरण	-	4
हाव -भाव	-	4
आत्मविश्वास	-	4

ध्येय -

- रचनात्मक लेखन एवं प्रस्तुतिकरण का विकास होगा-संगीत
- सुरजनात्मकता का विकास होगा ।
- राष्ट्रध्वज के प्रति सम्मान और आदर विकसित होगा ।
- ऐतिहासिक महत्व की जानकारी मिलेगी एवं संविधान निर्माता की दूर दृष्टि से विद्यार्थी परिचित होंगे।
- छात्रों की कलात्मक विकास होगा।
- सांख्यिकी क्षमता का विकास होगा ।

## SCIENCE

### **Transdisciplinary Project 2023-24**

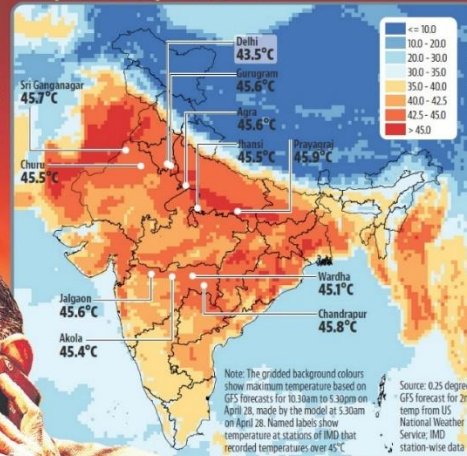
#### **The Burning Cities**

**Look at the newspaper report given below.**

# Across India, an intense heatwave flashes red

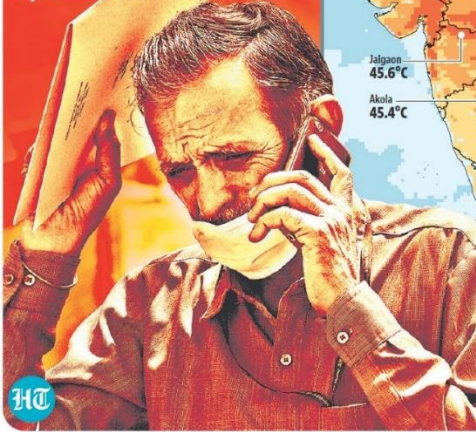
An intense heatwave is sweeping large swathes of India, extending from the country's west and northwest to the east, with weather officials warning that it may worsen in coming days. A look at what regions in the country are grappling with record-breaking maximum temperature, and the role played by the rain (or lack of it).  
By Abhishek Jha

## HOT, HOTTER, HOTTEST



## A RECORD HEAT IN INDIA'S NORTH-WEST

Historical data on temperatures is publicly available from the India Meteorological Department (IMD) only for grids and not individual stations or cities. These grids are of 1 degree resolution: boxes of latitudes and longitudes 1 degree apart. According to IMD's gridded dataset, the average maximum temperature till April 27 was 35.7 degrees Celsius, the highest in five years for this period of April. However, India's headline number hides just how hot northwestern India has been. In four states – Madhya Pradesh, Rajasthan, Punjab, and Gujarat – the average max temperature in April 2022 so far has been the highest since 1951; while it has been the second highest in Delhi (including neighbouring districts because the city is too small to be captured alone in IMD's gridded data), Uttar Pradesh, and Haryana. The national average has been drawn downwards by north-eastern states, most of which have experienced one of their coldest Aprils by maximum temperature, and southern states like Tamil Nadu and Karnataka, where maximum temperature are closer to the middle value since 1951.



## CONTRIBUTION OF RAIN?

Unprecedented deficits in rainfall in north-western India is a reason why temperatures in this region are creating new records. Rainfall in the April 1 to April 27 interval in Punjab, Haryana, MP, UP, Jharkhand, Himachal, Uttarakhand, and Telangana is in the bottom 20 since 1951, according to IMD's gridded dataset. The rainfall deficit, compared to the average in 1961-2010 period, in all these states except Uttarakhand (79%) and Telangana (69%) is more than 80%. In states like Delhi, Rajasthan, and Gujarat, the departure may not be unprecedented, but is 94% or higher. They have not recorded even half a millimetre of rainfall. Most north-eastern states, on the other hand, have recorded surplus rainfall.

## STATES WITH MOST DEFICIT



**The Summer this year is very intense, isn't it?**

**You might have heard your parents talking about the rising heat as compared to the previous years.**

The India Meteorological Department (IMD) has forecast a harsh and arid summer over a majority of regions of the country during April- June,

with a high chance of heatwave lasting as long as 10 to 20 days during the period.

## PART A

### Let's study the situation in detail

Prepare a detailed study report on the changing weather conditions of the country.

You can consider the following points

- Why is the temperature rising?
- Is the situation same globally?

## Effects



- Water crisis(EVS)
- Economic factors (Maths)
- Food and crop management (Geography)
- Health and wellness (science and maths)
- Temperature rise in the past
- Potential threat (disaster management)
- Pollution (Science)
- What steps can the government take? (civics/political science)
- Raising awareness about the issue (Language)
- Impact on other life forms (science)
- Rise in crimes, unemployment

## Part B: Personal and Community Responses

- Personal Experiences:

### How has the temperature change impacted you?

Reflect on how rising temperatures have affected your physical health, mental health, and food habits.

- Impact on Surroundings: **Is temperature rise impacting only human beings?**

Analyse the effects of rising temperatures on the organisms and ecosystems around you.

- **What can we do?**

Propose individual and community actions to tackle the effects of rising temperatures.

- **What if the summer continues to be intense for the coming years?**

Discuss the potential implications if rising temperatures continue in the following year and propose strategies for long-term adaptation and resilience.

## Rubrics

Timely submission

Content- Relevance to the topic

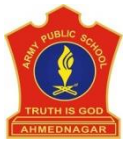
Out of the box thinking

Effectiveness/practical applications

Presentation

Viva

## MATHS



### ARMY PUBLIC SCHOOL, AHMEDNAGAR

Grade VII

#### TRANSDISCIPLINARY PROJECTS

**NOTE: The student will attempt ANY TWO questions out of the given questions.**

**Q1. Environmental Awareness Campaign:-** Students can research environmental issues like pollution, deforestation, or climate change. Students will collect the data and represent it using a bar graph.



**Learning outcomes:-**

- 1) Data visualization and interpretation.
- 2) Numerical computation
- 3) Social awareness
- 4) Critical thinking and problem solving
- 5) Communication skills.

**Linking to other subjects:-**

- English:-** Students will make a Poster for Environment awareness on a half chart paper. Students will write a report for collection of data on A4 size paper. Students will write slogans on the given topic with the report.
- Hindi:-** Students will perform street play/role play/drama in the class while presenting or Write a poem on A4 size paper to make awareness about saving earth. Students will prepare a podcast on the topic and send the audio to the teacher.
- Science:-** Students will integrate science. They will connect it to types of pollution, measures to control the pollution, Disadvantages of deforestation, Measures to stop deforestation and write an article on it on A4 size paper.
- History:-** Research about the steps taken to save the environment in the past. Explain about various movements or committees that were formed to prevent the environment through a presentation.

**Q.2 Prepare a podcast on the importance of Fractions and Decimals in daily life. The podcast will contain information about all the subjects.**



- **Science:** Explain how fractions and decimals are crucial in scientific measurements and calculations, such as dosages in medicine, chemical mixtures or engineering dimensions in the form of podcasts.
- **Geography:** Discuss how they help in calculating distances and understanding scales on maps.
- **Art:** Describe how artists use fractions and decimals in design proportions and scaling artworks.
- **Music:** Explore rhythm and time signatures in music as a practical application of fractions.
- **English/Hindi:** Students can use both languages to record the podcast.

**Learning outcomes:**

- 1) Use of fractions in decimals in daily life
- 2) Numerical competency
- 3) Conversion of fractions to decimals
- 4) Critical thinking

- 5) Conversion of measuring units used in daily life
- 6) Operations on fractions and decimals

**Q.3 Eco friendly habitat design:** - Students can collaborate to design sustainable habitats considering factors like geography, climate, and environmental impact. It integrates science, math, especially geometry, measurements, social science, especially geography, urban planning. Students will make a model/working model or any other way to represent the project and explain all subjects according to the topic by presentations, models or podcasts.



**Learning outcomes:-**

- 1) Data visualization and interpretation.
- 2) Numerical computation
- 3) Social awareness
- 4) Critical thinking and problem solving 5) Communication skills.

**Rubrics**

✓ Content	3 marks
✓ Presentation	3 marks
✓ Exploration	3 marks
✓ On time submission	2 marks
✓ Viva	4 marks

\*\*\*\*\*

