



## **S.L.S D.A.V Public School, Mausam Vihar, Delhi-51 Holiday Homework, 2021-22 Class IX**

**Topic- Sustainable Development Goal 13: Take urgent action to combat climate change and its impacts**

**“Climate change does not respect border; it does not respect who you are – rich and poor, small and big. Therefore, this is what we call ‘global challenges,’ which require global solidarity.” – Ban Ki-moon, 8th Secretary-General of the United Nations.**



Climate change is affecting every country on every continent. It is disrupting national economies and affecting lives. Weather patterns are changing, sea levels are rising, and weather events are becoming more extreme.

As countries move toward rebuilding their economies in 21st century, recovery plans can shape in ways that are clean, green, healthy, safe and more resilient. The current crisis is an opportunity for a profound, systemic shift to a more sustainable economy that works for both people and the planet.

As students, it is our duty to recognize these challenges and come up with a solution. Through an Integrated project, let us try to combat climate change by understanding its causes and their consequences.

**“What you do makes a difference, and you have to decide what kind of difference you want to make.” – Dr. Jane Goodall, Scientist & Activist.**

### **Learning Outcomes:**

Students will be able to-

1. Understand the Sustainable Development Goals (SDGs) set by the United Nations General Assembly related to the factors affecting climate change.
2. Analyse the causes of climate change and see how human activities affect the climate.
3. Consider the environmental actions that address climate change in their community.

## ENGLISH

Q1. Twenty-five years ago, people could be excused for not knowing much or doing much or doing much about climate change. Today we have no excuse. -Desmond Tutu

Science has already given us facts and solutions towards climate crisis. All we have to do is wake up and change.

Keeping these ideas in mind create an e-collage of news headlines.

Q2. “Keep the Oceans Blue, the planet Green and the animals safe.” On the basis of the given quote write a poem on the importance of sustainable development and reducing the ill effects of climate change.

OR

“Keep the Oceans Blue, the planet Green and the animals safe” The importance of sustainable development cannot be ignored and the time to act is now. Developing these ideas write an article on the importance of sustainable development.

Q3. Observe the image given below. On the basis of it develop a story on the impact of climate change in 150-200 words. Also provide a suitable title



Art Integration

Q4. On the basis of your reading of the chapter “The Fun They Had”, draw the teacher of Margie and Tommy. Also, description of the Mechanical Teacher and compare with the human teachers.

## ENGLISH-PERIODIC TEST-I SYLLABUS

Literature:

1. Fun they had
2. Road not taken
3. Sound of music Part 1

Writing: Diary Entry

Grammar: Integrated Grammar

## HINDI

(1) प्रकृति मानव जीवन का आधार है। मानव अपनी प्रत्येक आवश्यकता पूर्ति के लिए प्रकृति पर निर्भर है। जल, वायु, खाद्यान्न, ऊर्जा स्रोत; ये सभी प्राकृतिक संसाधन, प्रकृति मनुष्य को उदारता से प्रदान करती है। इसके विपरीत मनुष्य ने विज्ञान और तकनीकी द्वारा बढ़ती जनसंख्या की बढ़ती जरूरतों को पूरा करने के लिए स्वार्थवश इन प्राकृतिक संसाधनों का दोहन कर डाला। प्राकृतिक संसाधनों के अत्याधिक उपयोग ने आज स्वयं उसके अस्तित्व के लिए एक बड़ा संकट उत्पन्न कर दिया है। मानव यदि अभी भी सचेत नहीं हुआ तो सृष्टि और स्वयं के विनाश का एकमात्र कारण वह स्वयं होगा।



उपर्युक्त गद्यांश को पढ़कर नीचे दिए गए विषय पर संकेत बिंदुओं की सहायता से अनुच्छेद लिखिए।

विषय: प्राकृतिक संसाधनों का दोहन

संकेत बिंदु :

- पृथ्वी और प्रकृति से इंसान का संबंध

- प्राकृतिक संसाधनों का अधिक प्रयोग
- संतुलन में गड़बड़ और चेतावनी

(2) <https://www.yumpu.com/xx/document/read/56386715/comic-about-climate-change-featuring-chakra-the-invincible-and-mighty-girl>

दिए गए रेखाचित्र को देखकर जलवायु परिवर्तन का हमारे देश पर क्या प्रभाव पड़ा है और हमारी सरकार इसके सुधार के लिए क्या प्रयास कर रही है, यह बताते हुए ए-3 साईज़ शीट पर चार पृष्ठ का एक रेखाचित्र बनाइए।

(3) जलवायु प्रदूषण को रोकने के लिए अनेक स्वयंसेवी संस्थाएं और स्वयंसेवक कार्य कर रहे हैं जिन्हें समय-समय पर सरकार द्वारा सम्मानित किया जाता है। इससे हमें भी जलवायु प्रदूषण के क्षेत्र में कार्य करने की प्रेरणा मिलती है। ऐसी ही किसी स्वयंसेवी संस्था अथवा स्वयंसेवक के बारे में बताते हुए अपने मित्र को पत्र लिखिए।

### हिंदी पाठ्यक्रम (प्रथम इकाई परीक्षा)

स्पर्श:

- 1) दुख का अधिकार
- 2) रैदास दोहे

संचयन:

- 1) गिल्लू

अपठित गद्यांश

अनौपचारिक पत्र

व्याकरण -

उपसर्ग, प्रत्यय, पर्यायवाची शब्द, विलोम शब्द, श्रुतिसमभिन्नार्थक शब्द



## SANSKRIT

1. “विश्व भर में ‘जलवायु परिवर्तन’ का विषय सर्वविदित है। इस बात से इनकार नहीं किया जा सकता कि वर्तमान में जलवायु परिवर्तन वैश्विक समाज के समक्ष मौजूद सबसे बड़ी चुनौती है एवं इससे निपटना वर्तमान समय की बड़ी आवश्यकता बन गई है।”  
प्रदत्त चित्र के भाव के आधार पर 10 वाक्य संस्कृत में लिखिए एवं एक कोलाज़ का निर्माण करिए –



2. पर्यावरण की रक्षा के उपायों पर अपने मित्र को एक पत्र संस्कृत में लिखें।
3. वृक्षों के महत्त्व पर 2 श्लोक लिखकर उनका वर्णन करिए।
4. पञ्च तत्व कौन कौन से हैं और पञ्च तत्वों का हमारे जीवन में क्या महत्त्व है? पञ्च तत्वों के प्रभावित होने से हमारा जीवन कैसे प्रभावित होता है?  
उपरोक्त प्रश्नों के आधार पर एक पी.पी.टी. का निर्माण करिए।

### संस्कृत पाठ्यक्रम (प्रथम इकाई परीक्षा)

अपठित गद्यांश

अनुवाद

सन्धि

उपसर्ग

धातुरूप

पाठ 2 स्वर्णकाकः

## FRENCH

1. En référence de leçon -4 ( Les saisons) . Apprenez le poème < Le Printemps- The Springtime>>

[A French Poem called “Le Printemps” or “Springtime” with a Recording \(mamalisa.com\)](http://mamalisa.com)

Aussi préparez 10 Cartes Flashs de la vocabulaires des mots de la natures.

2. Portfolio activity

<< C’est une triste chose de savoir que la nature parle et que les hommes n’écoutent pas>>- VICTOR HUGO



- a. Traduisez en anglais et préparez l'une comme cela < **Conseil d'une rivière- Advice of a river** >

3. Revisez bien leçon- 1 et les exercices de grammaire .

### FRENCH-PERIODIC TEST-I SYLLABUS

Literature

Leçon1- La Famille

Leçon-2 - Au Lycée

Leçon-3 - Une journée de Pauline

Writing Skill- Rangez le dialogue/L'invitation/ le refus

Grammaire-

- Les Articles

- Adjectifs Possessifs

- Futur simple

- Impératif

Reading Comprehension

## MATHEMATICS

DO THE FOLLOWING QUESTIONS ON A4 SIZE SHEETS.

1. Collect the statistical data and information for Jammu and Kashmir, Delhi, Madhya Pradesh, Hyderabad and Kerala for 2020 on the following parameters:

- a) Average Rainfall pattern
- b) Temperature
- c) Humidity
- d) Atmospheric pressure

Represent the data graphically (Bar Graph for parts a and b and Line Graph for parts c and d) using separate graph for each parameter choosing a suitable scale. Write a detailed analysis of each graphical representation.



2. An air quality index is used by government agencies to communicate to the public how polluted the air currently is or how polluted it is forecasted to become.
  - a) Find out Air Quality Index of 4 metropolitan cities from 10<sup>th</sup> May 2021 to 15<sup>th</sup> May 2021 at 4.00 pm.
  - b) Represent information collected of Delhi and Bangalore using double Bar graph.
  - c) Analyse the graph and find out factors responsible for poor Air Quality Index.
  - d) Write down the Initiatives that Indian government has taken in last few years to improve the Air Quality Index and also suggest some ways to improve the Air Quality Index.

### MATHEMATICS-PERIODIC TEST-I SYLLABUS

Ch 1 Number System

Ch 2 Polynomials (till Ex 2.4)



## SCIENCE

**“CLIMATE CHANGE ISN'T JUST AN ENVIRONMENTAL ISSUE; IT'S A TECHNOLOGY, WATER, FOOD, ENERGY, POPULATION ISSUE”.**

Climate change is a long-term shift in global or regional climate patterns. Often climate change refers specifically to the rise in global temperatures.

Climate change may cause weather patterns to be less predictable. These unexpected weather patterns can make it difficult to maintain and grow crops in regions that rely on farming because expected temperature and rainfall levels can no longer be relied on.



**Make a project including the following sub-topics:**

1. Introduction to climate change by connecting it with agriculture.
2. Factors leading to climate change.
3. Consequences of climate change (negative and positive both)
4. Impact of climate change on agriculture.
5. Solutions to reduce the negative impacts of climate change.
6. Make a poster/collage/painting representing the climate change

### SCIENCE-PERIODIC TEST-I SYLLABUS

Chemistry-Ch-1. Matter in Our Surroundings (till topic 1.4.1)

Physics- Ch 8. Motion

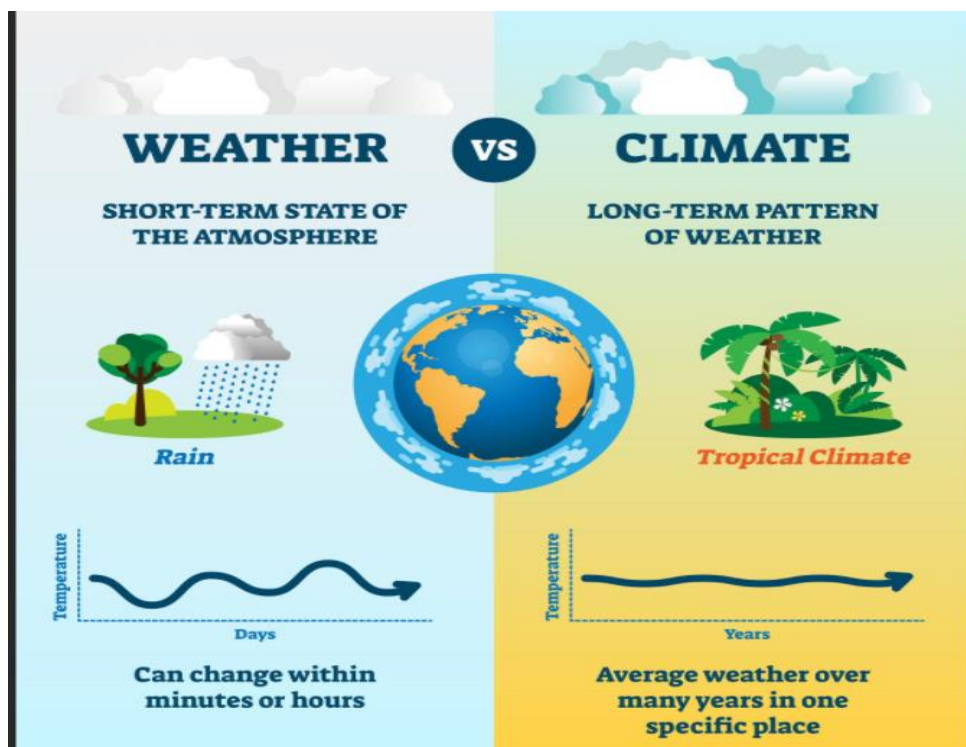
Biology- Ch-5. The Fundamental Unit of Life (till topic 5.2.4)



## SOCIAL SCIENCE

1. The difference between weather and climate is a measure of time. Weather is what conditions of the atmosphere are over a short period of time, and climate is how the atmosphere "behaves" over relatively long periods of time. When we talk about climate change, we talk about changes in long-term averages of daily weather.

In most places, weather can change from minute-to-minute, hour-to-hour, day-to-day, and season-to-season. Climate, however, is the average of weather over time and space. An easy way to remember the difference is that climate is what you expect, like a very hot summer, and weather is what you get, like a hot day with pop-up thunderstorms.





Take two A-4 sized sheets. Now choose any ONE state/country for collecting the following data:




- a. On the first page, write down the day-to-day atmospheric conditions over that place. The data collected should be for atleast 20 days of ANY Month.
- b. Use *different symbols* to show the weather condition (sunny, windy, snowy, rainy, stormy, etc.) of that place.
- c. On the second page, write down the monthly climatic conditions (12 months) over that place using various symbols.

An example of the above-mentioned activity:

Page 1

Day-to-day weather conditions in Delhi in the May (For 20 Days)	
1 May 2021	
2 May 2021	

Page 2

Monthly Climate of Delhi:	
January	
February	
March	

2. The distribution of atmospheric pressure across the latitudes is termed global horizontal distribution of pressure. Its main feature is its zonal character known as pressure belts. These pressure belts play a major role in determining the climate of any place.

Take a medium sized inflated balloon and mark the seven Pressure Belts of the Earth on it. Use your creativity to make the balloon resemble like the model of our planet- Earth.

**Note: Both the activities are compulsory.**

## **SOCIAL SCIENCE-PERIODIC TEST-I SYLLABUS**

- 1.Economics Ch-1 Story of Village Palampur
- 2.Geography Ch-1 India: Size and Location
3. Democratic Politics Ch-1 What is Democracy Why Democracy
4. History Ch-1 The French Revolution

## **INFORMATION TECHNOLOGY**

Prepare a colourful, creative and informative E-Poster in MS-Word / Open office Writer on the topic “**Climate Change – Its causes and Prevention**”.

Key points of the poster should be :-

- Sustainable Development Goal laid down by UN – Climate change and Action
- Causes of Climate Change
- How we can prevent it

## **INFORMATION TECHNOLOGY-PERIODIC TEST-I SYLLABUS**

Book : Basic Data Entry Operator

Unit 1 : IT and IT Enabled Services

Unit 3 : Digital Documentation

## **ARTIFICIAL INTELLIGENCE**

Make a 2 minutes video on “Application of Artificial Intelligence and future jobs in Artificial Intelligence.”

## **ARTIFICIAL INTELLIGENCE -PERIODIC TEST-I SYLLABUS**

Chapter -Introduction to Artificial intelligence.

Chapter -Communication Skills (Unit A -Employability Skills)

