

## MY SUMMER TIME CLASS X (2026-27)

✨ Welcome to a summer break designed to spark your curiosity and power your potential!  
☀️🚀 This year, "My Summer Time (2026-27)" is far more than just a set of tasks—it is a multidisciplinary intercept and an invitation to join a vital global mission. The **United Nations' Sustainable Development Goals (SDGs)** are a blueprint for a better world, and by dedicatedly anchoring every subject to these goals—focusing on the unique, ecologically fragile ecosystems of the Andaman, Nicobar, and Lakshadweep Islands—we are actively transforming textbook knowledge into real-world competencies. Through this experiential journey, you will awaken your **Kaushal Vikas (Skill Development)**, building vital life skills that include essential **financial literacy** to understand the economic value of sustainability, while seamlessly aligning all your subjective works into a cohesive, meaningful portfolio. Together, these diverse academic threads perfectly empower you to design solutions and step forward as an informed, skilled, and responsible global citizen! 🛠️☀️

### Subject: Hindi

#### Andaman and Nicobar Islands में SDG 10 (असमानताओं में कमी)

सतत विकास लक्ष्य 10 (SDG 10) का उद्देश्य समाज में होने वाली असमानताओं को कम करना है। अंडमान-निकोबार द्वीप समूह भारत का एक दूरस्थ क्षेत्र है, जहाँ कई जनजातीय समुदाय रहते हैं। यहाँ के लोगों को शिक्षा, स्वास्थ्य, परिवहन और रोजगार जैसी सुविधाएँ मुख्य भूमि की तुलना में कम मिल पाती हैं। SDG 10 के अंतर्गत प्रयास किए जाते हैं कि अंडमान-निकोबार के सभी लोगों को समान अवसर और अधिकार मिलें। सरकार द्वारा स्कूल, अस्पताल, सड़क और डिजिटल सुविधाओं का विकास किया जा रहा है ताकि वहाँ रहने वाले लोग भी आगे बढ़ सकें। हमें सभी संस्कृतियों और समुदायों का सम्मान करना चाहिए तथा समानता और भाईचारे का संदेश फैलाना चाहिए। यही SDG 10 का मुख्य उद्देश्य है — “कोई भी पीछे न रहे।”

गतिविधि की प्रक्रिया

जानकारी एकत्र करना

विद्यार्थी अंडमान-निकोबार की किसी एक जनजाति के बारे में जानकारी जुटाएँ—

उनकी जीवनशैली

शिक्षा एवं स्वास्थ्य की स्थिति

आधुनिक समाज से दूरी

उनके अधिकार और संरक्षण

आपकी गतिविधि में निम्न बिंदु अवश्य होने चाहिए—

जनजाति का संक्षिप्त परिचय

उनकी संस्कृति एवं जीवनशैली

उन्हें होने वाली असमानताएँ या चुनौतियाँ

समानता एवं संरक्षण के उपाय

इस गतिविधि को बैनर निर्माण के रूप में प्रस्तुत किया जाएगा। छात्राएँ इसे 8 के समूह में तैयार कर सकती हैं। बैनर रचनात्मक, जानकारीपूर्ण एवं आकर्षक होना चाहिए।

गतिविधि का उद्देश्य :-

\*छात्राओं को SDG10 (असमानताओं में कमी) की समझ देना।

\*अंडमान निकोबार की जनजातियों जैसे जारवा, आंगे, सेंटिनली आदि के जीवन संस्कृति और चुनौतियों से परिचित कराना।

\*समाज में समान अवसर, सम्मान और सांस्कृतिक विविधताओं के महत्त्व को समझाना।

**Subject :** संस्कृत

**SDG 13** जलवायु परिवर्तन

सत विकास लक्ष्य 13 जलवायु कार्य है जिसका उद्देश्य जल वायु परिवर्तन और इसके प्रभावों पर तत्काल कार्य करता है ।

संपूर्ण विश्व में जलवायु परिवर्तन एक गंभीर समस्या है। अत्यधिक तापमान, वर्षा का कम या अधिक होना समस्या को बढ़ाते हैं , इसलिए पृथ्वी की रक्षा के लिए सब एक साथ मिलकर प्रयास करें ।

परियोजना कार्य

तापक्रम वृद्धि अंडमान और निकोबार द्वीप समूह के लिए एक गंभीर खतरा है जिस के कारण समुद्र के स्तर बढ़ रहा है ।

जल वायु में निरंतर हो रहे परिवर्तन की और सब को सचेत करते हुए एक रिपोर्ट ( लिखित / विडियो) तैयार करें ।

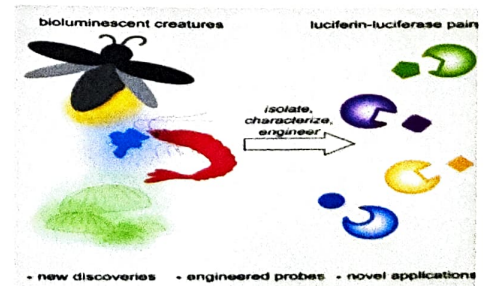
मुख्य बिंदु

- जलवायु परिवर्तनस्य कारणानि समाधानि च
- प्रदूषण समस्या
- प्लास्टिकस्य अत्यधिक प्रयोग
- संबंधित श्लोकान् लिखत
- घोषवाक्यम् (नारा लेखन) लिखत। यथा -'हरितं जगत् सुरक्षितं भवति' ।
- संबंधित चित्रम् रचय।"

**Subject : SCIENCE**

**OCEAN PHOTON: BIO-LUMINESCENCE AND MARINE GENETICS**

**Biology -SDG 14: Life Below Water**



**INTRODUCTION:** The shores of Havelock Island, within the Andaman & Nicobar archipelago function as a natural laboratory. At night, the waves emit a neon-blue luminescence, a phenomenon attributable to microscopic phytoplankton. The mangroves of the Andamans serve as a critical ecological link between terrestrial and marine environments. This project examines the convergence of marine chemistry, genetics, and ecology.

Task 1: **CHEMOLUMINESCENCE & THE LIGHT BRINGER:** Explain the Chemistry of Living Light investigating the Luciferin-Luciferase reaction and write the Biochemical Word Equation identifying the primary reactants and the enzyme responsible for this glow.

Task 2: **MOLECULAR THERAPEUTICS:** Do genetic research and explain how these glowing enzymes can be used in medical diagnostics.

Task 3: **The Andaman Mangrove Food Web:** Create a visual map of the food web and explain the thermodynamics of life -The 10% Law of Energy Flow.

Task 4: **SDG Reflection:** Write a short paragraph on why protecting Havelock's marine ecosystem is crucial for achieving SDG 14 (Life Below Water).

Submission Guidelines:

Format: Prepare a project using A4 Size sheets. Use your creativity to make it look more attractive.

Visuals: Include diagrams of the chemical reaction and a hand-drawn, colored Food Web Pyramid.

**Subject: SOCIAL SCIENCE**

Renewable Energy - India's Clean Power Path

☀️ SDG 7: Affordable & Clean Energy | 🏙️ SDG 11: Sustainable Cities & Communities

*India is trading smoke for sunshine. Fossil fuels like coal and diesel are limited and accelerate global warming. Delhi's growing energy demand is worsening its air quality. Clean power isn't a choice - it's a necessity.*

Begin your research to uncover the solutions:

- Why is renewable energy important?
- What makes up India's clean energy trio?
- In spotlight - Delhi. *Every AC in Delhi cools a room but heats the planet. Every car stuck in traffic burns fuel that burns lungs miles away.*

- Present a graphical analysis of rising pollution levels in Delhi from 2000 to 2025.
- Map Delhi's clean energy plan stating measures adopted by the government in this direction.
- The Andaman and Nicobar Islands are vulnerable to natural disasters and rely on sustainable energy solutions.* Explore how renewable energy strengthens mitigation strategies keeping hope alive during natural calamities and disasters.

Make a project report. Use statistics, data, maps, newspaper articles to support your research.

**Subject: FRENCH**

**Project Work:** Préparez un mini projet (chart / PPT / scrapbook) sur :  
**“Les îles et le changement climatique”**

Include:

.rising sea levels .coral reef damage .marine pollution .solutions for conservation

Add French headings and captions.

**This homework helps the students to develop:**

- **French language skills**
- **environmental awareness**
- **creativity**
- **global citizenship through SDGs.**

**Subject: MATHEMATICS**

**Topic: Equations of Sustainability**

*“Just like every line on the graph has a purpose and direction, every human action affects the future of our planet. Mathematics is not only about solving equations — it is also about finding solutions for a better and sustainable world.”*

**Objective:** To explore the beauty of Linear Equations in Two Variables through Stained Glass Art while understanding how Mathematics can spread awareness about the Sustainable Development Goals (SDGs).

**Instructions:** Using graph paper, plot the following linear equations on the coordinate plane:

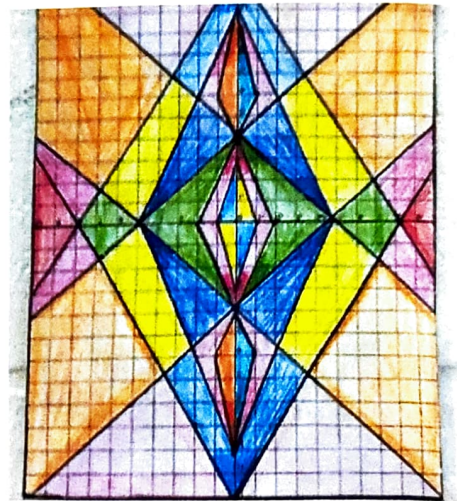
$$3x + 2y = 12; x - y = 5; 3x + 2y = 6; x = 9/2;$$

$$2y + 5 = 0; 2x + 3y = -16; x - 6 = 0; 2x - y = 6;$$

$$y = 9; y - x = 2; x + y = 0; x + y = 7;$$

Highlight each line using a black marker and label the equations neatly. After plotting:

- Place a transparency/acrylic/glass sheet over the graph.
- Trace the lines carefully.
- Colour the regions formed creatively to make a Stained Glass Artwork.
- Instead of random colouring, each colour must represent a Sustainable Development Goal. Eg: 🌿 Green sections → forests and sustainability 🌊 Blue sections → clean water and life ☀️ Yellow/orange sections → renewable energy and hope 🌫️ Dark shades → pollution and climate crisis.
- Students must create a colour key/legend beside the artwork.



## Subject : ENGLISH

**'Be a traveller who protects nature, not one who harms it.'**

The Andaman and Nicobar Islands shimmer like emerald jewels in the Bay of Bengal, boasting crystal-clear waters, vibrant coral reefs teeming with life, and beaches so pristine they seem untouched by time. Yet this paradise is fragile. As tourism surges, our actions risk turning these wonders into memories. Sustainable travel means travelling with conscience. Choose certified green operators, eat local sustainable seafood, and spread awareness among fellow travellers. Let us promise to leave the islands better than we found them.

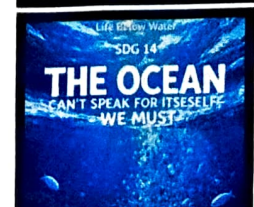
SDG 14 – Life Below Water – reminds us that protecting our oceans is not optional; it is essential for the planet's survival.

**Keeping in mind SDG 14 – Life Below Water, write an article in 150–200 words on the topic:**

**'Responsible Tourism in the Andaman and Nicobar Islands'**

You may include:

- Importance of protecting marine life and coral reefs
- Harm caused by plastic waste and careless tourism
- Ways tourists can help conserve the environment
- Suggestions for sustainable travel practices



**Along with the article, design a colourful poster on:  
'SDG 14: Life Below Water'**

Your poster should include:

- A catchy slogan
- Relevant drawings/pictures of marine life
- Messages promoting ocean conservation and clean beaches
- Creative use of colours and layout