

**MY SUMMER TIME
CLASS X
SESSION (2025-26)**

Mother Earth, our home, is a precious gift that provides us with everything we need to survive and thrive. From the air we breathe to the food we eat, from the water we drink to the shelter we live in, everything comes from the earth. Earth's beauty is awe-inspiring. From the majestic mountains to the serene oceans, from the lush forests to the vast deserts, every landscape is unique and breathtaking. The diversity of life on earth boasts an astonishing array of life, with millions of species, each with its own unique characteristics and adaptations.

Our precious home is facing an unprecedented crisis. The overwhelming majority of environmentalists agree that man-made climate change is a harsh reality. Rising sea levels, devastating floods, droughts, and changing seasons are becoming increasingly frequent and unpredictable, with dire consequences on our health and well-being.

Through experiential learning and art-integrated education, we can create joyful and engaging learning experiences that instill the importance of environmental conservation and the Indian ethos.

ENGLISH

SDG 11, Sustainable Cities and Communities, aims to make cities and human settlements inclusive, safe, resilient, and sustainable.

SDG 11.4 aims to “strengthen efforts to protect and safeguard the world’s cultural and natural heritage.

'Echoes of Ingenious Stories': Exploring the Untold Literary Heritage of the Andaman and Nicobar Islands.

Let's dive deeper into the world of stories/folktales/folklores.

In a world where stories are often captured in ink and bound in books, the Andaman and Nicobar Islands hold a different kind of library—one carved into memory, passed from voice to voice, heart to heart. Folktales are one such example; they are not just stories in the Andaman and Nicobar Islands, they are a vital part of their cultural heritage, passing on the knowledge of history, traditions, beliefs, and the unique relationship between the people and their environment.

As a researcher, you set out to explore this rare and resonant literary heritage. Research and document folk tales, songs, and indigenous stories from the Andaman region.

Create a booklet featuring these stories.

Analyze how local literature reflects community values, traditions, and sustainable living practices.

HINDI

सतत विकास लक्ष्य असमानता को कम करना-**SDG-10:Reduced Inequalities**

विकसित भारत के बढ़ते कदम,
असमानता को हम करें खत्म।
एक सभी हों भारतवासी,
रहे अमिट एकता अविनाशी।
हस्तकला का करें प्रयोग,
करें चिंतन और मनोयोग।
असमानता को दूर करें हम,
आओ मिलकर साथ चलें हम।
कला अनूठी कठपुतली,
उससे ही हम करें प्रस्तुति।

गतिविधि:- कठपुतली निर्माण एवं संवाद लेखन

कठपुतली गुस्से से उबली
बोली- ये धागे क्यों हैं मेरे पीछे-आगे? इन्हें तोड़ दो;
मुझे मेरे पाँवों पर छोड़ दो।
सुनकर बोलीं और-और
कठपुतलियाँ कि हाँ,
बहुत दिन हुए
हम अपने मन के छंद छुए।
मगर.....
पहली कठपुतली सोचने लगी-
ये कैसी इच्छा
मेरे मन में जगी?

(कवि- भवानीप्रसाद मिश्र)

अंडमान और निकोबार द्वीप समूह भारत का एक केंद्र शासित प्रदेश है, जिसकी संस्कृति अपनी परंपराओं का सार जोड़ती नज़र आती है। द्वीप समूह की कला, शिल्प और रचनात्मक कलाकृतियों के दुनिया भर में प्रशंसक हैं। इनमें से एक महत्वपूर्ण कला है- 'कठपुतली निर्माण'।

पुरानी वस्तुओं, कपड़ों आदि का प्रयोग करते हुए सुंदर कठपुतलियाँ बनाइए। अपने सामाजिक जीवन में व्याप्त असमानता को दूर करने के लिए संवाद लिखिए।

कक्षा में सामूहिक रूप से कठपुतलियों के माध्यम से संवाद वाचन का कार्य ग्रीष्मावकाश के पश्चात करवाया जाएगा।

दिशा निर्देश:-

*पुरानी वस्तुएँ , कपड़े,आइसक्रीम की डंडियाँ, लकड़ी की डंडियाँ, रुई, रंग-बिरंगे कागज़ , कैंची रंग सजावट की सामग्री, डोरी आदि का प्रयोग करते हुए कठपुतली तैयार कीजिए। *संवाद लगभग 100 शब्दों में ए-4 पृष्ठ पर लिखिए।

- * संपूर्ण प्रस्तुति दर्शाने के लिए आवश्यक पृष्ठभूमि तैयार कीजिए।
- * यह गतिविधि सामूहिक रूप से 6 से 7 छात्रों के समूह में कक्षा में प्रस्तुत की जाएगी।

SCIENCE

Mushroom Mycelium Packaging

SDG 9 : Sustainable industrialization and fostering innovation.

SDG 12: Responsible Consumption and Production patterns.

Plastic packaging material poses significant threats to the environment, wildlife, and human health. Production of plastic packaging contributes to greenhouse gas emissions. Some plastics contain chemicals like BPA and phthalates, which can leach into food and water that leads to health implications.

Mushroom mycelium packaging is an innovative and sustainable approach to packaging materials. Mycelium, the vegetative part of a mushroom fungus, is used to create biodegradable and compostable packaging solutions.

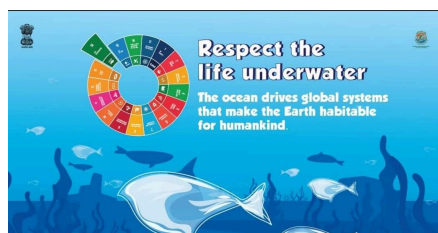
Mycelium packaging has the potential to transform the packaging industry with its sustainable and eco-friendly properties. As technology advances, we can expect innovative applications and increased adoption of mycelium packaging solutions.

ACTIVITY: Make a portfolio including the following sections:

1. Research on the environmental impact of traditional packaging materials over the advantages of mycelium packaging.
2. Research and present design ideas for mycelium packaging products, through sketches, prototypes, or digital models.
3. Describe the growth of a specific mycelium with the help of which a packaging product can be developed. Highlight the challenges and solutions to incorporate the product in the marketing industry.

By including these elements, students can create a comprehensive portfolio that showcases their understanding and creativity in mushroom mycelium packaging.

SOCIAL SCIENCE



"PROTECT OUR OCEANS, PRESERVE OUR FUTURE"

SDG 14: 'Life Below Water' focuses on conserving and sustainably using the world's oceans, seas, and marine resources for sustainable development. It aims to prevent marine pollution, promote sustainable fishing, and support coastal communities.

India faces significant marine pollution challenges, particularly from plastic waste and industrial/domestic sewage. If the trend continues, there may be more plastic than fish in our oceans by 2050.

As a climate enthusiast, research and prepare a project file based on your findings on SDG 14 and India.

*Consider the time period since 2000 and highlight key issues and challenges related to the attainment of the goal.

*Suggest effective solutions that can help overcome the challenges for a clean and safe life below water.

*Use graphs, maps, data and pictures to support your findings.

*With reference to Andaman and Nicobar Islands, research and prepare a plan of action (a flyer) to spread awareness about marine conservation and initiatives to promote eco-tourism.

MATHEMATICS

SDG 14: LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for a sustainable development

SDG 15: LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, halt and reverse land degradation and halt biodiversity loss.

The Andaman and Nicobar Islands are a breathtaking archipelago located in the Bay of Bengal. The Islands are a true tropical paradise, offering a unique blend of natural beauty, adventure, and peace with dense forests, serene lagoons and sunset views. The landscape is particularly marked by pristine beaches with powdery white sand, crystal-clear turquoise waters, and colourful coral reefs teeming with marine life. The primary objective of appreciating a landscape is to cultivate a deeper understanding and connection with the environment. Appreciation for a landscape can lead to a greater sense of responsibility for its protection and sustainable management. This can motivate individuals to become active stewards of the landscape, working to protect it for future generations.

UNFOLDING THE GEOMETRIC PROJECTION OF LANDSCAPES THROUGH ART

The intersection of Abstract art and Mathematics combines mathematical concepts to create visually striking and thought-provoking artworks.

Explore geometric shapes like triangles, circles, and polygons, and use them to generate unique and captivating visual representations inspired by the landscapes and marine life of the Andaman and Nicobar Islands, in the form of abstract art on A3 sheet. A few examples of such amalgamation is given below.



FRENCH

SDG 13 urges climate action to protect these fragile lands,
SDG 14 calls for the preservation of life below water,
SDG 15 promotes the protection of life on land. All three are vital for saving this island paradise.
Climate change, marine pollution, and biodiversity loss are global challenges and the Andaman & Nicobar Islands are on the frontline.



Based on above mentioned sustainable development growth

Create a travel brochure titled in French for the Andaman & Nicobar Islands. Your brochure should include:

- A brief introduction to the islands (location, uniqueness, biodiversity etc.)
- Highlight at least five to six activities practiced on the islands to protect the land, water and climate like eco friendly tourism, tree plantation, waste management etc.
- Share your own creative suggestions to protect the islands in the future.

Make your brochure visually appealing with drawings, illustrations, images & quotes.

SANSKRIT

SDG 6

पृथिवी अस्माकं धनं रक्षणीयम्। एतेषां संसाधनानाम् अस्माभिः बुद्धिपूर्वकं उपयोगः करणीयः येन आगामिनां पीढीनां अपि लाभः भवेत् ।



प्रतिवेदनम् (Report)

जलं अमूल्यं

“पृथिव्यां त्रीणि रत्नानि जलमन्नं सुभाषितम्।
मूढैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते ॥”

(i) “स्वच्छ भूजलस्य न्यूनीकरणस्य कारणानि समाधानं च”

प्रकृतिः मानवजीवनस्य आधारः अस्ति, येन विना जीवनस्य कल्पना कर्तुं न शक्यते । स्वच्छजलं मनुष्यस्य प्रथमा आवश्यकता अस्ति, यस्य विना जीवनं न सम्भवति, परन्तु अद्यत्वे प्राकृतिकसंसाधनानाम् अभावः अस्ति। अस्य विषयस्य विषये ज्ञात्वा जनान् समस्यानां विषये अवगतं कुर्मः ।

(ii) मुख्य बिंदु

प्रकृति, जलस्रोत, प्राकृतिक संसाधन, जल- जीव, वनस्पति च ।

(iii) शोधनं कृत्वा उत्तमा समाधानं च अन्वेष्टव्यम् चित्राणि सह सुन्दराणि प्रतिवेदनम् निर्मायताम् ।

Wishing you a rejuvenating, fun filled and great learning experience this Summer Break !