



G .D GOENKA PUBLIC SCHOOL G

Affiliated to C.B.S.E vid no 730090 School code 23586

Umar Colony, Sadarbal, Lal Bazar, Srinagar U T of J&K



General Instructions:

As per a CBSE circular **students of classes 9 and 10 need to take up an art-integrated project for every subject which will be considered for internal assessment.** The motive behind introducing this art-integrated learning is to make the teaching and learning process more joyful, implement learning outcomes and enable Competency Based Education (CBE). Art-integrated approach will not only strengthen the linkages between education and culture but also help to develop among students the reflection, critical thinking, creativity, initiation, self-direction and other 21st Century Skills. In this regard, our winter bridging program is based on such integrated projects where in art- integrated projects will be given to students every week to promote learning and skill development as well as to bridge in the learning gaps. The program guidelines are as follows

- Every Monday a project will be uploaded in the school website and shared with students via WhatsApp groups.
- The projects will be an integrated program of art, language and one core subject like Science, Math, S.St.
- The instructions of the project will be given during the bridging class, which will be conducted every Monday at 10: 00 am.
- The project report is to be submitted by every Saturday to the concerned subject teacher. The final report is to be submitted in hard at school once the classes resume.

Winter Bridging Classes: Week-1 Dated 27-12-2021

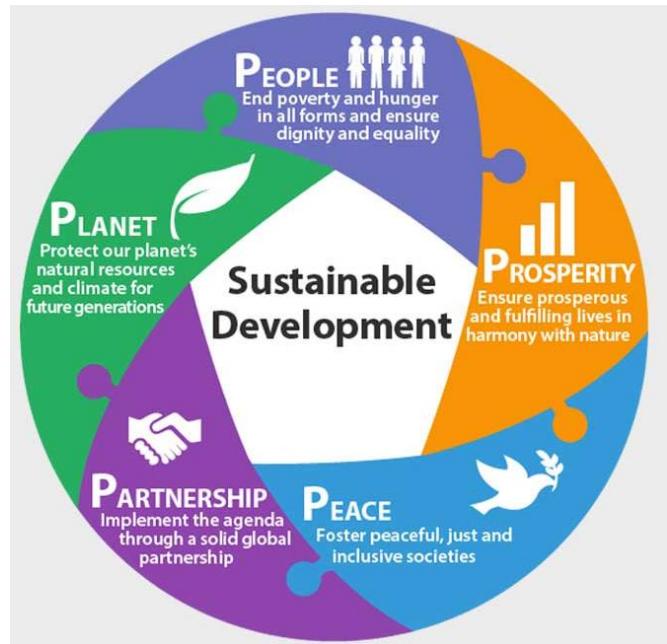
Project 1: Sustainable Development

Subject Integration: S.St , English, Urdu/Hindi , Math

Sustainable development can be defined as an approach to the economic development of a country without compromising with the quality of the environment for future generations.

Sustainable Development Goals

- To promote the kind of development that minimizes environmental problems.
- To meet the needs of the existing generation without compromising with the quality of the environment for future generations.



of the environment for future

Objective: The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the social science disciplines from interdisciplinary perspective. It should also help in enhancing the life skills of the students.

- Students are expected to apply the social science concepts that they have learnt over the years in order to prepare the project report.
- If required, students may go out for collecting data and use different primary and secondary resources to prepare the project. Different forms of art may be integrated in the project work.

Scope of Sustainable Development

To understand the concept of sustainable development in its entirety, it is imperative to begin with its scope. Sustainable development broadly focuses on the following, which encompasses underlying objectives like the use of various resources, preservation, identification of sustainable sources, sustainable usage, etc.

- Planning of economic growth to ensure least environmental impact.
- Meeting current economic needs without compromising global environmental conditions for the generations to follow.

However, in its entirety, scope of sustainable development definition can also be said to encompass the need to better this earth's environment for its prolonged sustenance.

What are the Features of Sustainable Development?

To fulfill the scope and objectives of sustainable development, these features discussed below must be implemented while planning economic development. Essentially, these are the defining characteristics of sustainable development.

- Minimizing the release of greenhouse gases which directly contribute towards global warming and air pollution.
- Emphasis on eco-friendly building and developmental practices like green architecture.
- Emphasis and implementation of renewable energy sources like the Sun, wind, water, etc.
- Preservation of natural resources while respecting and protecting natural habitats of life forms and organisms.
- Containing the rate of consumption from surpassing that of Production of renewable sources, as well as that of salvation.
- Promoting environment-friendly and biodegradable products, while also making sustainable planning for replacement or replenishment of resource usage.

Sustainable Development Examples

Listed below are some sustainable development examples, few of which do not just have minimal effect on the environment, but are also economical over an extended period of usage.

- Hydro energy as used in turbines.
- Wind energy as often employed in wind mills.

- Solar energy which is finding wider implementation with innovations in solar cells and allied technologies.
- Efficient and recycled use of water.
- Green architecture and other sustainable constructions.
- Crop rotation and similar agricultural methods.
- Maintenance and growth of sustainable green spaces.

Importance of Sustainable Development: Battling Environmental Crisis

Importance of sustainable development lies in its attempt to battle the environmental crisis which can be traced to unchallenged economic growth. Environmental crisis refers to a situation where nature is unable to sustain life forms or perform basic functions which are essential for the sustenance of life.

As per sustainable development definition, it attempts to contain resource extraction so that it does not exceed resource generation rates. Furthermore, it also tries to restrict waste generation to ensure that it remains below natural absorption capacities of the environment.

What are the Reasons Leading to the Environmental Crisis?

Understandably, noting the reasons leading to environmental crisis is vital in formulating a sustainable development project. Some of these reasons are discussed below in detail.

- 1. Continuous Growth of Economic Activities:** It has a two-pronged effect on this planet's environment. While on one hand, there is greater consumption of natural resources, on the other this is also accompanied with greater volume of waste. Consequently, taming this issue can reduce depletion along with increased processing of waste materials.
- 1. Increasing Rate of Population Growth:** Rise in population leads to higher use of natural resources for their sustenance. It includes natural resources like oxygen, water, etc. along with artificial products which are also dependent on environmental resources. Another common issue with an ever-increasing population is that of misuse of these natural resources.
- 1. Fast-paced Urbanization:** Economic and industrial development leads to fast-paced urbanization, which often compels large populaces to relocate to urban spaces. This often leads to excess burden on existing infrastructures. Furthermore, such populace is often forced to relocate to slum areas that are congested and unhealthy.
- 1. Industrialization:** Industrialization has had a rippling effect on this planet's environment in one of the most drastic fashions. It is responsible for numerous environmental issues, among which foremost is the depletion of resources along with deforestation. Additionally, industrial waste

often contains toxic materials. These, in turn, have also been greatly responsible for pollution with effects like water contamination, air pollution and even noise pollution.

1. Reduction in Greenery: Deforestation to support economic development has been rampant on this planet for decades now. It has led to unparalleled reduction of greenery on the face of this planet which has led to environmental changes and degradations. Among its major effects, the most prominent has been global warming since purification of greenhouse gases has been hindered with deforestation.

1. Rising Use of Chemical and Artificial Products: Use of chemicals like pesticides, chemically developed fertilizers, etc., has led to a poisonous effect on the crops. While a number of crops have been found to contain traces of these chemicals, these have also directly led to the development of health issues for farmers and other users. This too has adverse effects on this planet's environment, including soil contamination and other issues.

Subsequently, the nature and scope of sustainable development primarily focuses to curb these issues which are a major drain on the environmental conditions. As students of commerce, it is vital to keep these reasons in mind while planning for economic development

Math Integration: To analyse and compare the changes in the area of any five water bodies of Kashmir over past five years and represent it in the form of bar graph.

IT Integration: To prepare a database representing the data in tabular form, showing changes in the water bodies over past five years.

Art Integration: To construct bar graphs using reusable / recyclable materials to represent the changes in the water bodies over past five years.

Language Integration

English

To write an analytical report about the changes in the water bodies in Kashmir over past five years and mention the possible reasons for it. Also suggest measures to prevent further depletion of these water bodies.

Hindi:

- दिए गए संकेत बिंदुओं के आदार पर अनुच्छेद लिखें-

विषय: औद्योगीकरण क्रांति

संकेत बिंदु: 1) औद्योगीकरण का अर्थ

- 2) औद्योगीकरण क्रांति की विषेशता
- 3) औद्योगीकरण क्रांति के प्रमुख कारण
- 4) औद्योगीकरण क्रांति और नागरिकता में अंतर
- 5) औद्योगीकरण क्रांति से समाज में परिवर्तन

- . लिखे गए अनुच्छेद में किन्हीं दस शब्दों का पद-परिचय दिजिए।

Urdu:

درج بالا عبارت کو غور سے پڑھیں، سمجھیں اور اس کا ترجمہ کریں خیال رہے کہ اسے بعد میں جانچا جائے گا۔ اس میں اپنی طرف سے بھی اضافہ کریں کہ ماخول کو صاف و شفاف رکھنے میں ہمارا اور اربابِ اقتدار کا کیا کردار ہونا چاہئے؟ ماخول کو خراب کر دینے والے عناصر کا بہتر کار آمد اور ماخول دوستِ تبادل کیا ہو سکتا ہے؟ جنگلات کی بے تحاشا کٹائی سے کیا نقصانات ہو سکتے ہیں اور اس کا تدارک کیا ہے؟ ایک طرف اگرچہ صنعت کاری کافی اہمیت کی حامل ہے تاہم اس سے پیدا شدہ خرابی کو کیسے روکا جا سکتا ہے یا پھر تبادل کیا ہو سکتا ہے؟ کھیت

کھلیان تیزی کے ساتھ پختہ جگلوں میں تبدیل ہو رہے ہیں جس سے جنگلات، کھیت اور باغات تیزی کے ساتھ ختم ہو رہے ہیں۔ آبادی میں اضافے کے ساتھ ہی قدرتی وسائل کو بری طرح ختم کیا جا رہا ہے جس کی وجہ سے پاکستان وغیرہ کی وبا عام ہو گئی ہے نتیجائز میں بانجھ ہو رہی ہے اور آنے والی نسلوں کو اس کی تباہ کاری کا انجمام بھلتنا پڑے گا۔ ان سارے مسائل کو حل کرنے کے لئے کیا اقدامات کئے جاسکتے ہیں جن سے پیدا شدہ صورتحال پر قابو کیا جا سکتا ہے؟ ان سارے مسائل کو ذہن میں رکھتے ہوئے ایک پرجیکٹ تیار کریں۔