

INTERDISCIPLINARY PROJECT

THEME: G20,2023-“Vasudhaiva Kutumbakam” or “One Earth · One Family · One Future”

CLASS IX

Vasudhaiva Kutumbakam, which translates to "One Earth, One Family, One Future," is the theme of India's G20 presidency. The idea of Vasudhaiva Kutumbakam is based on the belief that all life is interconnected and that our actions have an effect on others and the world as a whole. The theme also exemplifies LiFE (Lifestyle for Environment), which highlights the importance of environmentally sustainable and responsible lifestyle choices, both at the individual and national level, in creating a cleaner, greener, and bluer future.

The spectrum of activities are designed to unify pedagogy and the quintessence of education, so that our learners are nurtured as compassionate and capable global leaders of tomorrow. We wish that our children collaborate their fun filled vacation experiences with learning and get a chance to paint their holidays with creative spirit and academic endeavor.

- This project comprises of 7 parts –A, B, C, D, E, F and G
- The class will be divided into groups comprising 5 members each on the basis of roll numbers i.e., 1-5, 6-10, etc. (8 groups per class)
- Each group is expected to do all the 5 tasks given under each part (One task per child for each part). Task 1 is for Roll Nos. 1, 6, 11, 16, 21, 26, 31, 36, 41
Task 2 is for Roll Nos. 2, 7, 12, 17, 22, 27, 32, 37, 42
Task 3 is for Roll Nos. 3, 8, 13, 18, 23, 28, 33, 38, 43
Task 4 is for Roll Nos. 4, 9, 14, 19, 24, 29, 34, 39, 43
Task 5 is for Roll Nos. 5, 10, 15, 20, 25, 30, 35, 40, 45
- Each group will have a leader who will be coordinating with the group members, so that the work is completed and submitted on time
- Each group will collate and present their work in **one single file only**
- Make use of eco-friendly materials for preparing the models
- **Students can avail the internet facility at school (8am-12noon) on 23 May 2022 and 24 May 2022**



Part A

Task 1: Publish your own Newspaper!

Design your newspaper throwing light on different global challenges that we face today and are discussed in G20 summit. The newspaper should have four sections

1. Names and aims of Global Challenges/Goals
2. Write about any three global challenges that you feel must be given top priority in detail with pictures and information. Suggest solutions to those world problems based on your research and understanding.
3. Quotes- By famous scientists, leaders and activists with their names on the global challenges
4. Create Games & Puzzle on the new vocabulary learnt while researching about different global challenges (Any one) For example Crossword or Word Search

Where to do A3 Size sheets (4 pages)

Link: <https://www.mea.gov.in/Portal/ForeignRelation/g20-august-2012.pdf>

Task 2: G20:History so far!

Create a comic book that can be illustrated with drawings or photographs that depicts the major events and challenges faced by G20 over time. The comic book can be made as a way to inform and educate general public about G20.

Link: [About G20https://www.g20.org › about-g20](https://www.g20.org/about-g20)

Task 3: India on the rise!

Compose a poem that highlights India's role in the G20, the themes and priorities that India plans to focus on during its presidency, and the potential impact of India's leadership on the global economy. Identify the key themes and priorities that India has announced for its G20 presidency, such as climate change, digital transformation, global health, and sustainable development.

Link: <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1882356>

Task 4: Global Leadership in Action: Creating a Short Film on India's Presidency of G20

Create a short film that highlights India's presidency of G20. Include interviews of experts on G20, footage of key events during India's presidency, and your own analysis of India's role in the

international community where you take the hat of a news anchor presenting your report and bulletin. The film can be presented in a creative and engaging way, using visual effects, sound effects, and music to enhance the viewer's experience.

Link: <https://youtu.be/HHwcSnuqnhw>

Task 5: Interview an Expert.

Conduct an interview with a person who has expertise on G20. Prepare a list of questions and record the interview using a smartphone or other recording device. Then transcribe the interview and write a summary that highlights the key points in the form of a brochure.

Link: <https://www.youtube.com/live/BugZpTWoxU4?feature=share>



Part B (To be done as per your second language)

SINDHI

वर्ग- 1 - जी ग्रुप आफ ट्वेंटी (G 20) जे ज़रिए 'सज़ो जगु हिकु कुटुंब आहे |, समूरी दुनिया खे भारत जो हीउ पैगामु आहे| हिन विषय ते हिकु सुहिणो पोस्टर (A-3) ठाहियो जेको एकता ऐं भाईचारे जो पैगाम डिए | हुन ते सिंधीअ में स्लोगन लिखो |

(20cmx25cm आकार)

वर्ग-2- जी 20 या ग्रुप आफ ट्वेंटी अंतर्राष्ट्रीय आर्थिक ऐं आपसी समझ का एक मंच है | जंहिं में घणनि मुल्कनि भागु वरितो आहे | भारत देश रीत आहे,मिजमान भगुवान थीन्दा आहिनि |‘(अतिथि देवो भवः) | हिन सुहिणे प्रोग्राम जूं खबरुनि जी हिक पंजनि पेज़नि जी मैगज़ीन ठहियो | 10cmx10cm)

‘सकारात्मक शांति, संघर्ष और पर्यावरण’ [मेज़बान शहर - काचिच ; केरल]- विषय के आधार पर निर्देशानुसार कार्य कीजिए |

वर्ग 1. जी 20 के संदर्भ में ‘सकारात्मक शांति, संघर्ष और पर्यावरण’ विषय को आधार बनाकर मेज़बान शहर (होस्ट सिटी) के पर्यटन को बढ़ावा देने हेतु दो आकर्षक एवं सचित्र विज्ञापन तैयार कीजिए | (ए-3 आकार के कागज पर)

वर्ग 2. मेज़बान शहर के कृषि -क्षेत्र में अनाज एवं मुख्य फल की मुख्य उपज को दर्शाता सचित्र, आकर्षक एवं जानकारीपूर्ण पोस्टर बनाएँ | (ए-3 आकार के कागज पर)

वर्ग 3. जी 20 के संदर्भ में ‘सकारात्मक शांति, संघर्ष और पर्यावरण’ विषय को आधार बनाकर जी 20 के सदस्य देशों की सूची उनके ध्वज सहित तथा मेज़बान शहर (होस्ट सिटी) की मुख्य जानकारी देते हुए तीन पृष्ठों की एक आकर्षक जानकारीपूर्ण पत्रिका बनाइए तथा उसे एक आकर्षक-सा शीर्षक भी दीजिए | (ए-3 आकार के कागज पर)

वर्ग 4. मेज़बान शहर की विशेषता एवं प्रसिद्ध वस्तु को कट आउट पर कलात्मक रूप से प्रस्तुत करें (जैसे :- उस प्रदेश का व्यंजन , पोशाक, कोई वाद्य यंत्र आदि के आकर्षक आकृतियों के कट-आउट पर अथवा स्वेच्छित कट - आउट पर) ए -3 आकार का कट आउट |

वर्ग 5. दो अलग -अलग पतंगे लेकर अथवा स्वनिर्माण कर मेज़बान शहर के दर्शनीय स्थलों एवं वहाँ के प्रसिद्ध व्यंजनों (खानपान) की सचित्र प्रस्तुति तैयार करें | (सामान्य आकार की पतंग लगभग 12 X 12 इंच)

H.H.W given in brief : सकारात्मक शांति, पर्यावरण, उद्योग, कृषि, जी 20 देश और मेजबान देश विषय के आधार पर निर्देशानुसार कार्य कीजिए ।

वर्ग 1. जी 20 के सदस्य देशों में से किन्हीं 5 देशों में हुए पर्यावरण परिवर्तन के प्रभाव को दर्शाते हुए एक कोलाज का निर्माण करें और उन देशों के नाम व उनके विषय में 2-2 वाक्य संस्कृत में लिखें।

(ए 3 आकार का)

वर्ग 2. जी 20 मेजबान देश के किन्हीं 5 राज्यों के पारम्परिक कृषि को दर्शाते हुए एक 3-डी तारे का निर्माण कीजिए कृषि उत्पाद और राज्यों के संस्कृत में नाम तथा उनके विषय में 2-2 वाक्य शुद्ध सुंदर बड़े-बड़े अक्षरों में दर्शाएँ । (ए3 आकार का)

वर्ग 3. जी 20 देशों में से 5 देशों के इको फ्रेंडली उद्योगों को दर्शाते हुए एक आकर्षक सा पोस्टर बनाए तथा उन देशों के नाम तथा उनके विषय में 2-2 वाक्य संस्कृत में लिखें । (ए3 आकार का)

वर्ग 4. जी 20 के देशों में से किन्हीं 5 देशों के प्रसिद्ध पर्यटन स्थलों को चित्रित करते हुए एक बुकलेट का निर्माण करें तथा उन स्थलों और देशों के नाम संस्कृत में व स्थलों के विषय में 2-2 वाक्य भी संस्कृत में लिखें । (ए-3 आकार के कागज पर)

वर्ग 5. जी 20 सम्मलेन के मेजबान देश के किसी प्रसिद्ध पर्यावरणविद् को दर्शाते हुए एक आकर्षक फोटो फ्रेम का निर्माण करें तथा उस प्रसिद्ध पर्यावरणविद् का नाम व उसके विषय में 5 वाक्य संस्कृत में लिखें (ए -4 आकार का फोटो फ्रेम)

***All tasks to be prepared in Sanskrit language only.**

The G20 brings together nations with diverse cultures, languages, and traditions. By studying the G20, you can gain a broader understanding of different societies, appreciate cultural differences, and develop a global perspective

Task-1 Create a memorable and impactful magazine of size A4 on how we can all contribute making world a better place and explore the rich diversities of cultures and traditions of your favourite countries.

Choose the title that best reflects the tone and focus of your magazine. (Link Lecon- La Famille)

Task -2 Craft a vibrant poster on size A3 on the topic "Education is key: Empowering women and girls". Also add three catchy taglines to connect with gender equality. (Link Lecon- Au Lycée)

Include visuals of girls and women studying, reading, and engaging in various educational activities. Use bright colours and bold fonts

Task – 3 Create an eye-catching picture book of size A4 with captions for each picture showcasing a young girl living in a rural village who uses digital technology to connect with

the wider world and achieve her dreams. Consider the challenges she faces and how digital technology helps her overcome them. (Link leçon – Les loisirs et les sports)

Task- 4 Design six flashcards to educate people about the different types of millets, and how they can be used in cooking. (Link leçon –Une journée de Pauline)

Task 5 – Indo-French art forms that have emerged over the years, they reflect the rich cultural exchange between India and France. Create two captivating visuals through painting and three book marks showcasing several Indo-French art forms. (Link leçon – La Famille)

***All tasks to be prepared in French language only.**



Part C

SUBJECT- MATHEMATICS

The Group of Twenty (G20) is a premier international forum that brings together leaders from the world's largest economies to discuss and coordinate on issues related to global economic growth and stability. As one of the fastest-growing major economies, India has a significant role to play in this forum. In recent years, India's economy has been growing at an average rate of 6-7%, making it one of the fastest-growing economies in the world. Its growing importance in the global economy has made India an increasingly relevant player in the G20. Refer to the following links and perform the following tasks.

<https://timesofindia.indiatimes.com/business/india-business/in-charts-india-second-fastest-growing-economy-this-year-but-its-gdp-will-slow-in-fy23-oecd/articleshow/95701996.cms>

<https://www.hindustantimes.com/business/at-6-1-india-to-be-fastest-growing-economy-projects-imf-china-at-52-101675132013366.html>

Task 1

Roll numbers 1, 6, 11, 16, 21, 26, 31,36, 41

As per the projections on World Economic Growth for FY 2023-24. Comment on the Economic conditions of India in near future

Task 2

Roll numbers 2, 7, 12, 17, 22, 27, 32, 37, 42

Write the factors affecting the business climate in India in 2023-24. Explain briefly

Task 3

Roll numbers 3, 8, 13, 18, 23, 28, 33, 38, 43

How and why economic policies are turning restrictive and how it is going to impact GDP in G20 countries?

Task 4

Roll numbers 4, 9, 14, 19, 24, 29, 34, 39, 44

Will global slowdown affect India's GDP slowdown? Which country will be most affected and why? (Refer the links above)

Task 5

Roll numbers 5, 10, 15, 20, 25, 30, 35, 40, 45

Represent the Indian Statistical data about GDP by means of bar graph for FY 2022-23 and also projections for FY 2023-24, and 2024



Part D

SCIENCE HOLIDAYS HOMEWORK

Session-2023-24.

Main Topic: "One Earth, One Family, One Future"

Sub-Topics: : Green Development, Climate Finance & LiFE(Lifestyle for Environment)

Vasudhaiva Kutumbakam, which translates to "One Earth, One Family, One Future," is the theme of India's G20 presidency. The idea of Vasudhaiva Kutumbakam is based on the belief that all life is interconnected and that our actions have an effect on others and the world as a whole. The theme also exemplifies LiFE (Lifestyle for Environment), which highlights the importance of environmentally sustainable and responsible lifestyle

choices, both at the individual and national level, in creating a cleaner, greener, and bluer future.

Task 1: Experiential learning

Roll numbers 1, 6, 11, 16, 21,26,31,36, 41,46.

Green development is a real estate development concept that considers social and environmental impacts of development. It is defined by three sub-categories: environmental responsiveness, resource efficiency, and community and cultural sensitivity. Design a prototype or a working model which will help in saving energy and also contribute towards green development.

Web source: [Corporate Environmental Sustainability Goals: 45 Examples & Definitions \(ituabsorbtech.com\).](https://www.ituabsorbtech.com/corporate-environmental-sustainability-goals-45-examples-definitions/)

[Green Economy | UNEP - UN Environment Programme.](https://www.unep.org/green-economy)

[Green Chemistry Science Projects \(sciencebuddies.org\)](https://www.sciencebuddies.org/curriculum/grades-5-8/green-chemistry-science-projects/)

Task 2: Comic strip

Roll numbers 2, 7, 12, 17,22, 27,32, 37,42, 47.

Graphic novel is a combination of images and texts. It is based on a fictional story. It requires a team effort to create characters and story for the novel. Prepare a story (soft copy) in the form of comic strips on the topic ‘ Green development’. It should have 15 to 20 slides.

A story board can be created to depict the storyline and then characters can be made. The storyline can include the various technologies which can bring about additional benefits, which ultimately will reduce the environmental impacts.

Web source:

[Green development - Wikipedia](https://en.wikipedia.org/wiki/Green_development)

[Green Economy | UNEP - UN Environment Programme](https://www.unep.org/green-economy)

Task 3: Project report.

Roll numbers 3, 8, 13, 18,23, 28,33, 38, 43..

LIFE (Lifestyle for Environment) was first introduced by Prime Minister Narendra Modi at COP 26 in Glasgow. The primary objective of this initiative is to make the lifestyle of people environment-friendly and sustainable. With the launch of the Mission, the prevalent "use-and-dispose" economy governed by mindless and destructive consumption will be replaced by a [circular economy](#), defined by conscious and deliberate consumption.

Using A 4 sheets, make a project report of 4 to 5 sheets on India 's achievements in conserving the environment.

Web source:

[Lifestyle for the Environment\(LiFE\) Movement \(drishtiias.com\)](#)

[National Action Plan on Climate Change \(drishtiias.com\)](#)

Task 4: Power Point presentation

Roll numbers 4, 9, 14, 19,24, 29,34, 39, 44.

According to the United Nations Framework Convention on Climate Change (UNFCCC), climate finance is local, national or transnational funding from public, private and alternative sources that seeks to support climate change mitigation and adaptation actions. Make a power point presentation of 10 to 15 slides on the topic 'Global Climate Finance and renewable energies'

Web source :

[What is Climate Finance? | Main Funds - Iberdrola](#)

Task 5 :Poster making.

Roll numbers 5, 10, 15, 20, 25, 30, 35, 40, 45.

Investments by developed countries in projects is vital to the new green economy, such as renewable power plants or electric cars . The investments can help firms to enter and create markets for new products, like building supplies made of recycled materials.

Make a poster on an A3 sheet on the topic 'Climate finance the key to green development'

Use Google search engine to get images depicting the activities funded by climate finance. You can refer to these images while making the poster.

Web source: Google search engine.

[What is Climate Finance? | Main Funds - Iberdrola](#)

For compiling data,the following groups can be formed:

Group A- roll no 1-5

Group B -roll no 6 -10

Group C -roll no 11-15

Group D -roll no 16-20

Group E- roll no 21 – 25

Group F- roll no 26-30

Group G- roll no 31-35

Group H -roll no 36-40

Group I – roll no 41 -45

Group J –roll no 45 -47



Part E

Disaster Management

India is committed to building a disaster-resilient world. We have taken several measures to enhance our preparedness, response and recovery mechanisms, and stand ready to share our experiences and expertise with our global partners." – Narendra Modi ,Prime Minister of India at G20 Riyadh Summit, Saudi Arabia (2020)

Keeping in sync with the G20,2023 theme of 'One Earth, One Family, One Future', Disaster management should be a priority for all nations. We need to focus on not just response and relief, but also on prevention and mitigation through global cooperation.

Class: IX
Term: I and II

Main Topic: Disaster Management
Session: 2023-2024

Subject: Social Science

Chapter/Topic: Disaster Management

Skill to be assessed:

- Ø Understanding
- Ø Analyzing
- Ø Evaluating
- Ø Expressing
- Ø Presenting ideas
- Ø Collaborative Working
- Ø Problem Solving
- Ø Time management

Project should be developed and presented in this order in a file / folder (A4 size sheet)

- Ø Cover page showing project title ,schools name, student's name, class and section and academic session (year)
- Ø List of contents with page number (approx...15 pages)
- Ø Acknowledgements: Acknowledging institution, offices and libraries visited and people who have helped.
- Ø Project Overview: Purpose ,aim, methodology and experience while doing the project
- Ø Chapters with relevant headings.
- Ø Summary and conclusions based on findings.
- Ø Bibliography should have the title, pages referred ,author, publisher ,year of publication and if a website, the name of the website with a specific link which have been used.
- Ø Teachers evaluation report

NOTE: Only eco-friendly material to be used

PROJECT EVALUATION PROFORMA

The Proforma should be attached on the last page of the project.

School's Name

Address

Student's Name

Roll. No

Class

Section

Teacher Assessment

1. Content accuracy and originality

2. Presentation and creativity

3. Process of project competition

4. Viva –voce

5. Overall remarks:

6. Teacher signature:

Date:

7. School stamp:

Keeping the above statement in mind, prepare a Project File on Disaster Management as per the following guidelines:

1. Highlight information on the below mentioned topics in your project file -

❖ Definition of 'Disaster'.

❖ What is disaster management cycle?

- ❖ What is a 'Hazard'? How is it classified?
- ❖ Differentiate between hazard and disaster.
- ❖ Contrast and compare physical, chemical and biological hazard.

2. Complete the following table with the relevant information:

Hazard	Elements of Hazards	Vulnerable Groups	Prevention	Examples
Physical				
Chemical				
Biological				

3 a. Prevention and Mitigation of Common Disasters.

- ❖ Earthquake (Roll No-1 -12)
- ❖ Cyclones (Roll No-13 -24)
- ❖ Flood (Roll No-25 -36)
- ❖ Drought (Roll No-37 -48)

3b. Based on your selection in Point 3a above, enumerate the following in your project:

- ❖ Meaning
- ❖ Causes
- ❖ Prevention and mitigation measures
- ❖ Impact on national economy Key challenges to safe schools according to National Disaster Management Authority (NDMA)

OR

Building disaster resilience is the term we use to describe the process of helping communities and countries to be better prepared to withstand and rapidly recover from a shock such as an earthquake, drought, flood or cyclone. In order to create awareness among citizens of India to render support for such a great initiative create a poster with appropriate illustrations and slogans on an A3 size sheet on the topic “Building Disaster Resilient Communities.”

Part F

G20 – Digitalization & Innovation

G20’s Digital agenda is to help countries harness the benefits of the digital transformation - to boost more inclusive and sustainable growth by spurring innovation, generating efficiencies and improving services, artificial intelligence (AI) – a fast-moving technology ranging from data to smart mobility, the opportunities offered and to unleash innovation.

Artificial Intelligence

- **Task 1:** create an infographic / movie / poster representing “**AI trends and the future of AI**” using any open source software.
- **Task 2:** <https://research.google.com/semantris/> use the link and **Play Arcade** to think and type fast and share your highest score achieved.

Computer Applications

- Design a creative infographic / brochure / poster on the theme “**How Digital Technologies reshaping the future**” using any open source software.

Email on the following Id: computerassignments@svisdeldhi.com with your name, class and section in the subject line.

