

## INTER-DISCIPLINARY PROJECT

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

### CLASS X

**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.**

- 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, 44  
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



#### **Part A**

Task 1: Choose any 5 countries from G20 and research on some of the well-known poets/ writers of those countries and their famous literary works. Present your research in the form of an attractive catalogue.

Task 2: Take out a print of the world physical map on an A3 sheet. Find out the famous literary works of 10 countries from G20 and present it on the world map.

Task 3: Create ten Paint Chip Poetry cards with a short poem on each card. (Size of Card- 9X3”). Your poems could be on the following themes:

- 1) G20: One Earth, One Family, One Future
- 2) Green Development, Climate Finance & LiFE (Lifestyle for Environment)
- 3) Technological Transformation & Digital Public Infrastructure
- 4) Multilateral Institutions for the 21st century
- 5) Women-led Development

Task 4: Research on the relevant themes of G20 and design 5 streamers for decoration, each on one theme. Each streamer should be of half a meter in length and 4 inches wide

**Task 5:** Listen to the G20 anthem and compose an anthem/rap song employing literary devices. It should educate and sensitise the audience about G20 and its significance under India's presidency.



सकारात्मक शांति, संघर्ष और समत्व [ मेज़बान शहर - लखनऊ / वाराणसी ; उत्तर प्रदेश ] विषय के आधार पर निर्देशानुसार कार्य कीजिए |

**वर्ग 1.** जी 20 के संदर्भ में 'सकारात्मक शांति, संघर्ष और समत्व' विषय को आधार बनाकर जी 20 के सदस्य देशों की सूची उनके ध्वज सहित तथा मेज़बान (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 2.** मेज़बान शहर के प्रसिद्ध घाटों के नाम चित्र सहित प्रदर्शित करते हुए आकर्षक सा पोस्टर बनाए। (ए-3 आकार के कागज पर)

**वर्ग 3.** दो अलग -अलग पतंगे लेकर अथवा स्वनिर्माण कर मेज़बान शहरों के धार्मिक स्थलों एवं वहाँ के प्रसिद्ध व्यंजनों (खानपान) की सचित्र प्रस्तुति तैयार करें ।  
(सामान्य आकार की पतंग लगभग 12 X 12 इंच )

**वर्ग 4.** मेज़बान शहर (होस्ट सिटी) के पर्यटन को बढ़ावा देने हेतु दो आकर्षक एवं सचित्र विज्ञापन तैयार कीजिए। (ए-3 आकार के कागज़ पर)

**वर्ग 5.** मेज़बान शहर की विशेषता एवं प्रसिद्ध वस्तु को कट आउट पर कलात्मक रूप से प्रस्तुत करें।  
(जैसे :- उस प्रदेश का स्थल , व्यंजन , पोशाक, कोई वाद्य यंत्र आदि के आकर्षक आकृतियों के कट-आउट पर अथवा स्वेच्छित कट - आउट पर। ) ए -3 आकार का कट आउट।

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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 Research the historical and cultural exchange between India and France such as the establishment of the Indian Cultural Centre in Paris and the Alliance Française in India. Create

impactful five flashcards of size A4 showcasing some more joint initiatives between both the countries to foster a strong friendship and collaboration.(Link leçon – Chacun ses goûts)

Task-2 Create an appealing and vivid photo album of size A4 that captures the essence of India-France relations, featuring images of cultural events, business meetings, diplomatic visits, or other activities that showcase the relationship between the two countries.(Link leçon - Un monde interculturel)

Task-3 Design book covers on three French story books with captivating features, catchy illustrations and positive messages that can inspire and entertain children to read.(Link leçon- Le plaisir de lire)

Task -4 Conduct a survey on media consumption and its impact on individuals and society now design a questionnaire containing 6-7 questions on how changing trends in media consumption affecting habits and impact on attitudes and behaviors of youth. (Link leçon- Les médias)

Task-5 Create an eye-catching poster of size A3 that focuses on G20's objective of promoting digital transformation. Include information in pointers on how everyone can benefit from the opportunities of the digital age. (Link leçon- Les médias)

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 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)

वर्ग 2. 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 3. 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 4. 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 5. 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 )



### **Part C**

The Group of Twenty (G20) is the premier forum for international economic cooperation. It plays an important role in shaping and strengthening global architecture and governance on all major international economic issues. One such issue faced globally is the emission of harmful carbon which pollutes the environment. To combat this problem, Indian government launched FAME. FAME-India (Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India) is a government scheme launched in 2011 as a part of the National Mission on Electric Mobility. Electric vehicles are the key technology to decarbonise road transport, a sector that accounts for 16% of global emissions. Recent years have seen exponential growth in the sale of electric vehicles together with improved range, wider model availability and increased performance.

Use the link to perform the following tasks:

<https://www.autocarpro.in/analysis-sales/ev-sales-in-india-hit-117-million-units-in-fy2023-charge-past-100000-for-six-months-in-a-row-114543>

**Task 1** A write up on the steps taken by the Indian Government in the Union budget 2023 to promote the use of Electric Vehicles over the Conventional fuel vehicles.

**Task 2** Prepare a double Bar graph for the market share(%) of top 5 Utility Vehicles for FY 2022 & 2023.

**Task 3** Represent the EV Sales data segment wise split for FY2023 using appropriate scale in the form of Bar Graph. Write reasons(at least 3) for the steep rise in the sale of two-wheelers and three-wheelers in FY 2023.

**Task 4** Conduct a survey in your neighbourhood to locate EV owners (at least 5) and ask them the reasons for choosing EV over Conventional fuel vehicles. Record your findings with the Registration number and brand of the vehicle.

**Task 5** List down the factors responsible for slow growth of EV in Indian market in comparison with other countries.



## **Part -D**

### **Sub-Topic: Good health and well being (Sustainable Development Goal 3)**

One of India's five key focus areas during G-20 presidency is **Accelerating Sustainable Development Goals (SDGs)**. **Good health and well being (SDG3) is one of the most concerning issues for India and other countries globally.** Children (aged 0 to 18 years) today face a host of new threats linked to climate change, pollution, harmful commercial marketing, unhealthy lifestyles and diets. The lives of all children are existentially threatened by greenhouse gas emissions leading to climate change. Air pollution is associated with poor childhood respiratory health; it impairs the lungs and the brain and increases the risk of cardiovascular disease, obesity, type 2 diabetes and metabolic syndrome.

#### **TASK 1: Power Point presentation**

Children are frequently exposed to harmful commercial marketing, typically seeing tens of thousands of advertisements a year for addictive substances and unhealthy commodities including fast food and sugar-sweetened beverages which contribute to obesity and chronic diseases, which can harm their school achievement, and mental health.

Make a power point presentation clearly representing the global impact of such food advertising on childhood obesity and suggest ways to increase consumer awareness of their products (8-10 slides)

**WebSource:** <https://www.indeed.com/career-advice/career-development/customer-awareness>  
<https://www.apa.org/topics/obesity/food-advertising-children#:~:text=Obesity%20in%20children%20increases%20the,significant%20risk%20factor%20for%20obesity.>

### **TASK 2: Story Book**

Aastha was reading an article in a science magazine which explained the surprisingly complex causes of childhood obesity and highlighted that children often have little control over the factors that may lead them to become obese. She later, discussed some of the challenges faced by obese children globally with her friend.

Make a colourful Story book depicting the exchange of dialogue between Astha and her friends. The story book can be made using A4 sheet/Power Point Presentation. It can include 15-20 slides.

**Web source:** <https://www.pngwing.com/en/free-png-xmsde>

### **TASK 3: Project report**

Childhood Obesity is an alarmingly increasing global public health issue. Several countries worldwide have witnessed a double or triple escalation in the prevalence of obesity in the last three decades, probably due to urbanization, sedentary lifestyle, and increase consumption of high-calorie processed food.

Make a project report depicting statistical obesity trends in children globally. Take atleast 5 countries (participating in G20 summit 2023-24) to show the comparison.

Web source: <https://www.obesityevidencehub.org.au/collections/trends/children-global-context>

### **TASK 4: Experiential Learning**

Eating right food/balanced diet and engaging one's self in some sort of physical activity (like walking, jogging, yoga, swimming etc.) helps fight obesity upto a great extent.

Make a workout plan for yourself on an A4 size sheet mentioning the physical activity chosen and the time spent in doing the same. Also make a list (on A4 size sheet) mentioning :- replacement of an unhealthy snack/junk food (like fried chips, aerated drinks) by healthy food/fruit/snacks (roasted fox nuts, fresh juice and salad) on daily basis.

Make sure you follow the plan for entire month and then write your reflections/inference about the same on an A4 size sheet at the end of the month.

**Sample Plan :**

\_\_\_\_\_ For Physical Activity

<u>DATE</u>	<u>PHYSICAL ACTIVITY</u>	<u>DURATION</u>

<u>23/05/23</u>	<u>WALKING</u>	<u>30 MINUTES</u>

. For Healthy Food choices

<u>DATE</u>	<u>UNHEALTHY SNACKS</u>	<u>HEALTHY FOOD</u>
<u>23/05/23</u>	<u>AERATED DRINK</u>	<u>HOME MADE LEMONADE</u>

### **TASK 5:Poster Making**

Public awareness is important to increase enthusiasm and support, stimulate self-mobilisation and action, and to mobilise local knowledge and resources. As a responsible citizen of the country it is our duty to create awareness among our fellow citizens regarding concerning issues. Childhood obesity has become one of the most concerning issue for the community.

Make an informative poster on A3 size sheet to depict the causes, consequences and prevention of the childhood obesity. You may also suggest the ways of accelerating SDG3 (good health and well being).

Web source: <https://www.dreamstime.com/illustration/poster-obesity.html>



### **Part E**

“Empowering Consumers: A G20 Project for strengthening Consumer Protection and awareness in the Global Economy”.

“Consumer protection is a key priority for us in India . We are committed to ensuring that consumers are empowered , informed and protected ,and have access to effective redressal mechanism” - Prime Minister Narendra Modi.

**Main Topic:** Consumer Awareness

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

- Cover page showing project title ,schools name, student’s name, class and section and academic session (year)
- List of contents with page number (approx...15 pages)
- Acknowledgements: Acknowledging institution, offices and libraries visited and people who have helped.
- Project Overview: Purpose ,aim, methodology and experience while doing the project
- Chapters with relevant headings.
- Summary and conclusions based on findings.

- 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.
- 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:

### **Topics and themes for project work on Consumer Awareness**

**Task 1:** For the following products/ services discuss what safety rules should be observed by the producers?

- a) LPG cylinder
- b) Cinema theatre
- c) Circus
- d) Medicines
- e) Edible oil
- f) Marriage pandal
- g) A high-rise building

Find out any case of accident or negligence from people around you. In your opinion in which area does the responsibility lie with the producer? Discuss.

Compile your findings on A4 size sheet. (Roll No. 1-10)

**Task 2:** Prepare a Television advertisement with attractive jingles and relevant messages in Hindi/ Sindhi/ French/ Sanskrit on the topic **Jago Grahak Jago** A4 size sheet (refer **Page no.- 82** of your Economics book for catchy advertisements of product) (Roll No. 11-20)

**Task 3:** Prepare five pictorial flash cards of 10 X 8 inches denouncing various malpractices that exist in the market which lead to consumer exploitation. Behind each flash card explain the situation as well in 100-150 words. (Roll No. 21-30)

**Task 4:** Prepare a story board depicting a story of a consumer who was exploited in the market but finally got justice in the Consumer court. (refer examples given on **Page no. 79- 83** of Economics book) (Roll No. 30-40)



**Task 5:** Conduct a survey in your locality by supplying the following questionnaire to people to get an idea as to how aware they are as consumers. (Roll No. 40-50)

**Make report based on your observations.**

### QUESTIONNAIRE FOR TASK 5

**For each question, tick one.**

**Never (C)**

**Always (A)**

**Sometimes (B)**

- |                                                                                                                                      |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
| 1. When you buy some item, do you insist on a bill?                                                                                  | A | B | C |
| 2. Do you keep the bill carefully?                                                                                                   | A | B | C |
| 3. If you realize that you have been tricked by the shopkeeper have you bothered to complain to him?                                 | A | B | C |
| 4. Have you been able to convince him that you've been cheated?                                                                      | A | B | C |
| 5. Do you simply grumble to yourself reconciling that it is your fate that you are often being victimized so and it is nothing new?  | A | B | C |
| 6. Do you look for ISI mark, Expiry date, etc.?                                                                                      | A | B | C |
| 7. If the expiry date mentioned is just a month or so away do you insist on a fresh packet?                                          | A | B | C |
| 8. Do you weigh the new gas cylinder/ old newspapers yourself before buying/selling?                                                 | A | B | C |
| 9. Do you raise an objection if a vegetables seller uses stones in place of the exact weight?                                        | A | B | C |
| 10. Do excessively bright coloured vegetables arouse your suspicion?                                                                 | A | B | C |
| 11. Are you brand-conscious?                                                                                                         | A | B | C |
| 12. Do you associate high price with good quality (to reassure yourself that after all have not paid a higher price just like that)? | A | B | C |
| 13. Do you compare the price paid by you with those of others?                                                                       | A | B | C |
| 14. Do you unhesitatingly respond to catchy offers?                                                                                  | A | B | C |
| 15. Do you strongly believe that your shopkeeper never cheats a regular customer like you?                                           | A | B | C |
| 16. Do you favour 'home delivery' of provision items without any doubt regarding weight etc.?                                        | A | B | C |
| 17. Do you insist on 'paying by meter' when you travel by auto?                                                                      | A | B | C |



### 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**

- Create a job advertisement for a firm to figure out “**How AI is going to transform the nature of jobs**”, describing the nature of jobs available, the skill-set required for it 10 years down the line.
- Create an infographic or poster discussing the Possible AI ethics, AI bias in data collection and about the implications of AI technology.



## **Part -G**

### **COMPUTER APPLICATIONS**

- Create a Poster/ Web Page on the theme “G20 - Digitalisation and Innovation”

**Email on the following Id:** class10assignments@svisgdelhi.com with your name, class and section in the subject line

### **PAINTING**

#### **TASK 1: Best out of Waste**

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 model which will be useful in depicting green development.

#### **TASK 2: Culture and Heritage**

India has adopted a strategy of pursuing its developmental goals while staying intact to its cultural roots. The country is making efforts on both fronts, i.e., its developmental goals and promoting and preserving its cultural heritage. Cultural heritage is seen as the portal through which the current generation learns about their civilization’s origins. Moreover, they also provide invaluable insights into the connections between diverse societies. Design a story board on an A-3 sheet incorporating the culture diversity in India.

#### **TASK 3: Sustainable Economy**

Create a poster on an A-4 sheet on Sustainable Economy showcasing the importance of clean, green and sustainable environment.

### **HINDUSTANI MUSIC**

G20 agenda recognizes the synergies between culture and other policy areas, and the impact of culture, cultural heritage and the creative economy on the economic, social and environmental dimensions of development.

## THEORY:

Practice writing the notation of Razakhani gat in raga bhupali and bheempalasi.

Practice writing the Thah, dugun, tigung, and chaugun in the taals you have learned.

Practical: Practice 12 alankars every day for 1 hour on your respective instruments.