



Class XI - SCIENCE STREAM
Holiday Homework
PHYSICS, CHEMISTRY, BIOLOGY, BIOTECHNOLOGY &
COMPUTER SCIENCE

“VasudhaivaKutumbakam” or “One Earth · One Family · One Future”

Dear Student Innovators,

“Our planet is one but our efforts have to be many – One earth, many efforts”

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.

Environment and its conservation are one of the current concerns of the world today. India is committed to protection of our mother earth and sustainable development. Honourable Prime Minister of India Shri Narendra Modi stresses for ‘one word movement,’ Li.F.E (Life Style for Environment) as a mass movement of environmental conscious life style for a harmonious life.

Main Topic: G20 (Group of Twenty)

Sub Topic: Lifestyle for Environment (Li.F.E)

The theme affirms the value of all life – human, animal, plant, and microorganisms – and their interconnectedness on the planet Earth and in the wider universe. The Lifestyle for Environment (Li.F.E) movement encourages people to adopt eco-friendly practices and to become pro-planet people. Individual actions such as taking public transport instead of own vehicle, switching off lights and fans when they are not in use etc. can collectively bring a change in society.

You must identify your team members from your class. Each group, consisting of five members, has to present the project comprising all the 5 tasks mentioned below. **Communicate with each other using any communicating media like Email, WhatsApp, Google Meet etc.**

Following are the tasks for the group members:

Task 1: Prepare a questionnaire using 'Google Form' to conduct a survey around your neighbourhood to identify a problem (for example–water scarcity and contaminants). Share

this survey with each other using Google Docs. Form at least 10 questions in your questionnaire.

Task 2: Collect data from the survey and list down the main points. Learn more about the problems you have identified using sources like the internet or newspapers etc. Discuss with your team members the problems as well as solutions and present it on a shared Google doc.

Task 3: Note down all feasible and non-feasible potential solutions(hypotheses) from Google docs (based on the inputs from other team members.)

Task 4: Bring your idea/product/service to life by making a layout of your solution on an A-4 size sheet.

Discuss it with the people who helped you in the survey, take their feedback and do the SWOT Analysis

Task 5: Create a business plan (B-plan) for your solution. Identify potential customers. See if they will be willing to pay for your solution - if yes, find out- how much! Take feedback from your customers and incorporate it in your plan /report. Your entrepreneurial journey has begun!

Create a prototype and help your fellow citizens to be benefited by it.

You can present all the above information by way of either a PowerPoint Presentation or a Project file. You can use cartoons/diagrams/flow-charts/ clip arts/graphical representation etc.

You may refer to the link <https://in.docworkspace.com/d/sIJSTxM6HAcDW7JQG>

Thank you! You are now a studentpreneur.