

ST. MARK'S SENIOR SECONDARY PUBLIC SCHOOL, JANAHPURI

SESSION 2023-2024

HOLIDAY HOMEWORK



Was it made here?
Or was it flown in?
Will I use this again?
Or will it go in the bin?

Will this recycle?
Am I wasting food?
Can I mend this instead?
Of buying one new?

Can I walk to school?
And get fit and trim?
Does it need plastic wrap?
Does it have palm oil in?

Shall we make it at home?
Rather than carry out?
Do I need it or want it?
OR Can I do without?

Dear Parent

The much awaited summer break is here! This is the time that children enjoy the most. Alongwith all the fun activities that they will do, we will also like to keep them productively occupied.

We have chosen Sustainable Development Goals as the Summer Holiday Homework theme. We at St. Mark's believe that by teaching our students about the SDGs given by the United Nations, we can inspire them to contribute towards a better future for all. A wide range of activities have been planned to keep our young students engaged fruitfully during the summer holidays. We urge you all to help your wards know more about these Global Goals and understand the importance of living in harmony with nature.

Together we build a better future...

DO YOU KNOW

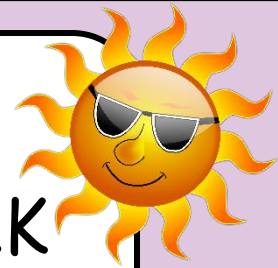
SDG # 7 - AFFORDABLE AND CLEAN ENERGY

In the prosperous parts of the world, when we talk about sustainable energy, we mean abandoning the use of coal and oil; and using more energy from renewable sources like solar panels, wind turbines, water, biofuels etc. However, in many countries lack of access to these energy supplies is a constraint. The aim of SDG#7 is to ensure access to affordable, reliable, sustainable and modern energy for all.

So, come on my SDG WARRIORS! Put on your thinking caps and do your bit for our beautiful planet!



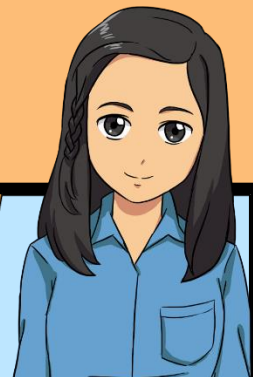
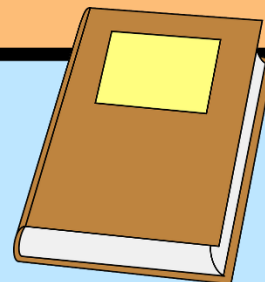
CLASS V HOLIDAYS HOMEWORK ENGLISH



AFFORDABLE AND CLEAN
ENERGY



1. Make a comic strip book with dialogues on the topic: **Affordable and Clean Energy.** Enhance your book with characters of your choices, add pictures and creative punch lines.



2. Make a **book cover** with an apt title.



3. Make a 20 words Pictionary using words or phrases related to 'Energy and Environment'.

For example:-

ENERGY AND ENVIRONMENT Pictionary			
ENERGY RESSOURCES			
			
Solar energy	Wind	Natural gas	Coal
			
Hydroelectric power	Oil / Petroleum	Nuclear energy	Geothermal energy
POLLUTION			
			
Hazardous waste	Air pollution / smog	Acid rain	Water pollution
			
Oil spill	Pesticide poisoning	Radiation	Exhaust fumes



4. Interview any two of your neighbours / relatives to understand the different forms of energy used in their home and what measures do they take to save energy. Note down your observation. Some of the questions are here for your reference:4.

- ❖ What are the different forms of energy utilized in your home?
- ❖ How do you go to a nearby market?
- ❖ Do you switch off the lights, fans and other electrical equipment when not in use?
- ❖ Which form of energy is used in your home to cook meals?
- ❖ Do you think it is important to save energy.
- ❖ How often do you reduce the energy you use for your home or vehicle for environmental reasons?
- ❖ Suggest any three ways in which you can help conserve energy.



हिन्दी

‘एक बूंद’ कविता के आधार पर आप सभी एक चार्ट तैयार करेंगे।

जिसमें एक बूंद किस प्रकार बनती है उसकी प्रक्रिया शामिल हो।(water cycle-जल चक्र)

❖ वर्षा के जल को किन किन तरीकों से बचाया जा सकता है चित्र के माध्यम से प्रदर्शित करें।

❖ (Hydro powerplant) किस प्रकार जल के द्वारा विद्युत उत्पन्न किया जाता है, जो एक स्वच्छ प्रक्रिया के माध्यम से तैयार किया जाता है। इस विषय पर आप सभी १५ वाक्य लिखेंगे।



MAGNETIC MATH



*A transition to
clean energy is
about making an
investment in
future.*

Task 1

Collect data of clean and renewable energy produced by the following states of India during the financial years 2020-21, 2021-22, 2022-23:

Karnataka, Gujarat, Delhi,
Maharashtra, Haryana, Punjab,
Rajasthan And Telangana. (Write the figures in unit 'Watts').

Arrange the data in a tabular form as provided below:

Years	States							
	Karnataka	Delhi	Gujarat	Maharashtra	Punjab	Haryana	Rajasthan	Telangana
2020 - 2021								
2021 - 2022								
2022 - 2023								

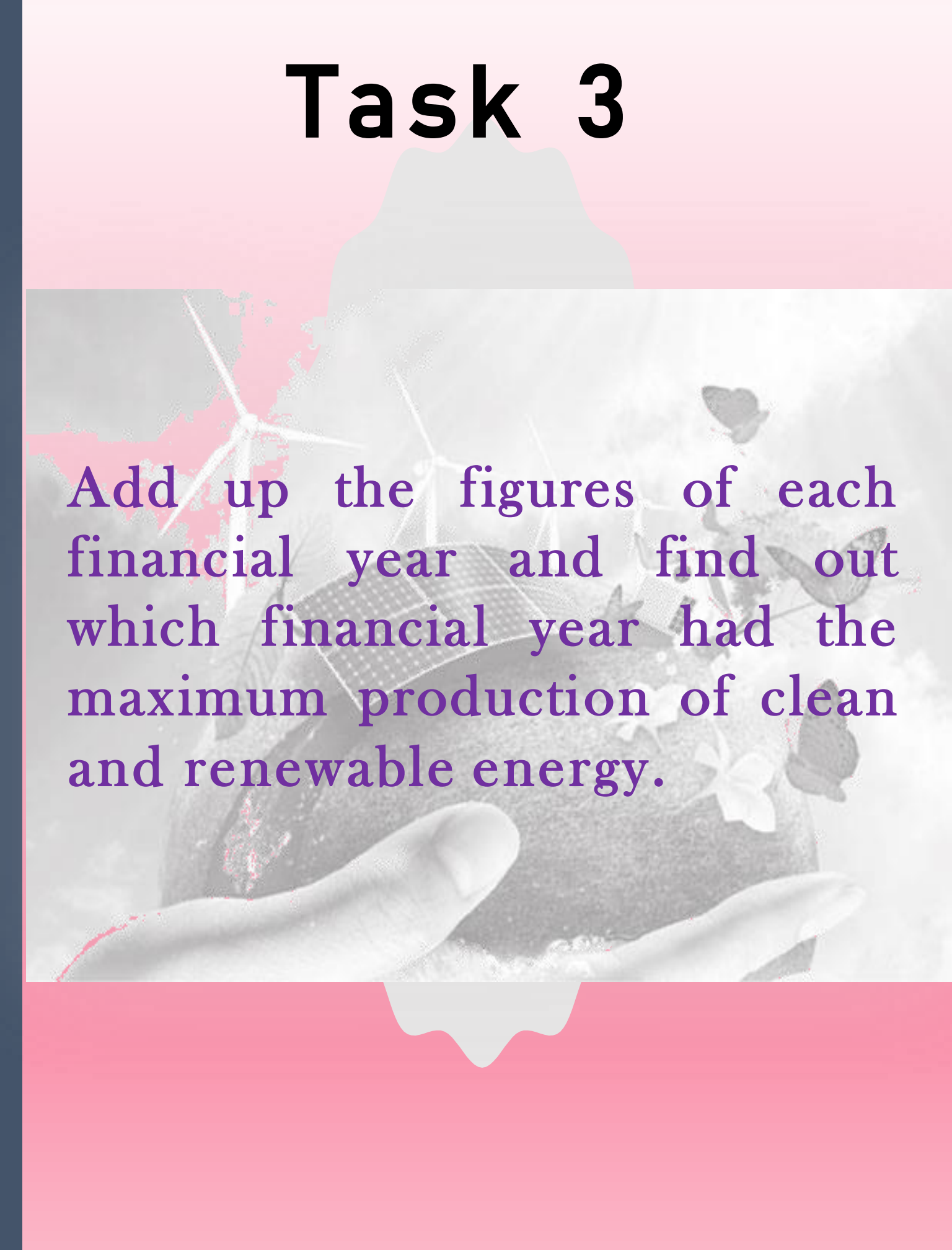
Task 1

Task 2

The background of the slide features a composite image. At the center, a hand is shown holding a globe. Surrounding the globe are various symbols of sustainability: wind turbines, solar panels, butterflies, and flowers. The entire scene is set against a light, hazy background. The slide is framed by a pink border at the top and bottom, with a dark grey vertical bar on the left side.

Write the above figures in ascending and descending order separately for each financial year.

Task 3

A hand holding a globe with wind turbines, butterflies, and flowers in the background.

Add up the figures of each financial year and find out which financial year had the maximum production of clean and renewable energy.

SCIENCE

Affordable & Clean Energy Why It Matters?

- ❖ We all know that Pollution affects our Environment adversely.
- ❖ To sensitize our students on this issue of much relevance and to enable them to develop an insight on how important it is to conserve energy in our day to day life, let us indulge ourselves in these tasks.
- ❖ TASK 1 - Watch a short video about pollution :
[https://youtu.be/ 6zlGYK7GME](https://youtu.be/6zlGYK7GME)
- ❖ Note down all the different forms of pollution and their environmental impact that you see in the video.
- ❖ Consider and list down whether any of these forms of pollution exists where you live.

TASK – 2 Draw a diagram that shows the effects of the actions you may take to prevent pollution. You may use words, symbols or pictures.



TASK – 3 789 Million people around the world lack access to electricity

Make a bar chart to show how many people are living without electricity in different states of India.



**SOCIAL
SCIENCE**

Saving Our Environment

Biowaste to Bioenergy

- ❖ Collect information about dry and wet waste and write it on separate A4 sized sheets of paper.
- ❖ Make two recycle bins using two small cardboard boxes. Cover them with blue and green coloured paper respectively.
- ❖ Label the bins as 'Dry Waste Bin' and 'Wet Waste Bin' on the basis of their colour. Paste the pictures of types of waste on the respective bin formed.
- ❖ Read out the information collected about both the bins to your society members with the help of few neighbourhood friends in order to make them aware about waste segregation.
- ❖ Write down the steps, supported by pictures, for explaining to the community members the method of converting the wet waste into bioenergy. (clean and renewable energy).



Wind Turbines Using Recycled Materials

Make wind turbines out of plastic bottles and decorate them with paint, markers, or other material.



<https://youtu.be/a8Pq7J7cw5Y>

CBSE PROJECT

Guide: Andaman & Nicobar

Vacation is all about fun. It breaks our monotonous routine and gives us a chance to refresh ourselves. It is during this time when we explore new places, imbibe new skills and even make new friends. So, let's have utmost fun during this vacation.

You desire to visit Andaman and Nicobar Island during your summer vacation. Your parents have agreed only if you can convince them with a proper justification.



For this purpose they have asked you to share some insights about the place (knowledge about the place) with them first. So prepare a guide for them, which includes the following information about Andaman and Nicobar:

1. Location of the place mentioning the approx latitude and longitude and mark it on Indian Political map.
2. It's capital and area to which it is extended (in km square).
3. Any five tourist spots/major attractions
4. Famous cuisine of the place along with their pictures.
5. Plant and animal life in Andaman and Nicobar.
6. Name of the aboriginal tribes of Andaman and Nicobar and efforts of Government to protect their culture and traditions.
7. Modes of travel available between the islands and also from the mainland to the island.

