

Save Electricity

Objective

Electricity is one of the powerful energy resources in our daily life. So we have to save electricity.

Background

We are producing electricity in different ways.

Through water - Hydro electricity,

Through Coal - Thermal electricity,

Through Radio activity - Nuclear electricity,

Through Air - Wind power,

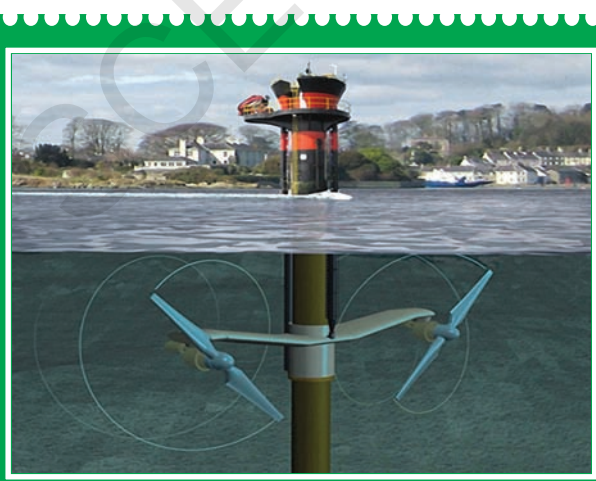
Through Tides - Tidal electricity.



If there is no electricity Our daily life activities will be disturbed. We are wasting so much of electricity and paying more money to electricity department. If we provide awareness to people on this issue they can reduce their electricity bills and can save electricity.

Methodology

1. Make the list of students houses with the help of class leader
2. Know the situation in which students are using electricity in their houses.
3. Collect details of monthly electricity bills.
4. Find out in which month electricity bills are more.
5. Find the electricity saving situation.



6. We should give awareness to the children as if they reduce stop the unnecessary use of bulbs, fans, air coolers, fridges they can save electricity.
7. Collection of electricity bills after the awareness class.
8. To know about savings in electricity bill electricity based on the awareness of how to prevent electric wastage.

Conclusion

Electricity, Gas, Petrol are wisely utilizable energy resources. If we use without any limitations these resources should be disappear within nearer 5 decades so we should search for other ways to protect these resources. For this purpose only we are utilizing Solar Energy, Tidal Energy, wind power and other forms of energy resources. There is a need to search for alternate energy resources along with the proper (habituated) utilization of present resources. So much of electricity is becoming waste by unnecessary use of lights and fans in the offices and street lights lighting in the day. We, Eco friendly students must reduce the unnecessary use of TV, Computer and Movies. We should have to follow the habit of switching off fans, lights whenever leave the room.

1. Make a report on electricity wasting situations.
2. Write plans about "How to save electricity."

Follow-up

1. Discuss with in the class- How your classmates save energy in their houses? In what way they reduce their electricity bills?
2. Participate in BECON activities. Collect information from electricity bills of your classmates, record the difference in reduction in electricity charges.

NEDCAP conducted awareness campaigns and programmes for school children on consumption of energy sources by the programme called "Children energy conservation project (BECON)". Let us about them.

- Awareness on consumption and saving of fuel in domestic purpose.
- Awareness on consumption and saving of fuel by agriculturists.
- Awareness on consumption and saving of fuel by community.
- Awareness on effluents produced during natural fuel production and utilisation.
- Awareness on sustainable development of non conventional energy resources.
- Awareness on energy savings, capacity and auditing.
- Conducting energy savings weekly festivals.

Fuels in future

The need of energy or fuel in the modern society is drastically increased day by day. According to BECON present resources will be exhausted within 100 years. So this is a high time to think of proper utilization of fuels. We should be ready to produce and utilize geothermal energy, solar energy, wind power, hydel power. These are all energy giving resources. But not pollute our environment. These are cheap and renewable also. Bio gas plants are also eco friendly in nature. So we should promote all these resources.

Some realities about fuel

More than 50% of commercial fuel produced in our country is utilized in industrial sector only. Sometimes it may be more than 65%. The details are as follows.

- Aluminium - 40% of production cost is invested on fuel. Coal and oil are also utilized as fuel in aluminium production.
- Textiles - 12 - 15% of production cost is invested on Coal, electricity, Furnace oils etc. They may save energy up to 23%.
- Paper mills - 30% of production cost is invested on fuel. Chemical recovery systems, co generation systems have much fuel capacity than small scale industries or mills.

Collect information about the following

- B.E.E. (Bureau of Energy Efficiency) - Power saving guide, star grade appliances.
- E.C.B.C. - Energy conservation building codes.
- Collect information from the following websites.

www.mnre.gov.in

www.hareda.gov.in

www.energyconservationworld.com