

KENDRIYA VIDYALAYA, KOLLAM

HOLIDAY HOMEWORK WORK EDUCATION (CLASS VI TO XII)

CLASS VI

1. Make a **handmade torch** such that when we press the switch torch is on and when we remove our hands from switch it becomes off.
2. Make at least one useful thing using any of the waste materials from your surroundings under "Best out of Waste"

CLASS VII

1. Make a handmade working electromagnet using long nail, Wire and batteries.
2. Write a five page brief assignment report on "**An introduction to electrical terms**" comprising of following Terms
 - A. charge, kind of charge, characteristics of charge, unit etc
 - B. potential, potential difference
 - C. current, flow of electron, unit, ammeter
 - D. resistance, unit, ohmmeter

CLASS VIII

1. Write a five page brief assignment report on 'Atomic structure' which should comprise of
 - A. Proton, Neutron, Electron properties
 - B. Orbits of electrons
 - C. Flow of electron

CLASS IX

1. Write a five page brief assignment report on **bulb/tubes**
The report should comprise of
 - A. Basic principle of working of a bulb
 - B. Types of bulb
 - C. Domestic and industrial bulbs
 - D. Power saving bulb (CFL)
 - E. Tube tights
2. Make an extension board having two switches, two sockets
One fuse and one indicator

CLASS X

1. Write a five page brief assignment report each on
 - A. Thermal power station
 - B. Nuclear power station

THE REPORT SHOULD COMPRISE OF WORKING PRINCIPLE, SCHEMATIC DIAGRAM AND PLACES WHERE THEY ARE LOCATED

2. Make an extension board having two switches, two sockets
One fuse and one indicator

CLASS XII

1. Write a five page brief assignment report on "**study of Fluorescent tube light**"
