

SAINIK SCHOOL GOPALGANJ

CLASS –VIII

SUBJECT –SCIENCE VACATIONAL TASK PROJECT

COMPLETE CLASS IS DIVIDED INTO FOUR GROUPS

1. Open a water tap. Adjust the flow so that it forms a thin stream. Charge a refill. Bring it near the water stream. Observe what happens. Write a short report on the activity.
2. Make your own charge detector. Take a paper strip roughly 10 cm \times 3 cm. Give it a shape as shown in Fig. 15.15. Balance it on a needle. Bring a charged body near it. Observe what happens. Write a brief report, explaining its working.



Paper 10 cm \times 3 cm



Fold along the dotted line



Cut along the dotted line



Needle

ThermoCole

3. This activity should be performed at night. Go to a room where there is a fluorescent tube light. Charge a balloon. Switch off the tube light so that the room is completely dark. Bring the charged balloon near the tubelight. You should see a faint glow. Move the balloon along the length of the tube and observe

how the glow changes.

Caution : Do not touch the metal parts of the tube or the wires connecting the tube with the mains.

4. Find out if there is an organisation in your area which provides relief to those suffering from natural disaster. Enquire about the type of help they render to the victims of earthquakes. Prepare a brief report on the problems of the earthquake victims.

For more information on these topics, visit:

- science.howstuffworks.com/lightning.htm
- science.howstuffworks.com/earthquake.htm