

CLASS: VIII

SUBJECT: SCIENCE

CHAPTER: 6. COMBUSTION AND FLAME

SUBTOPIC: IGNITION TEMPERATURE

EXPERIENTIAL LEARNING

ACTIVITY:

Aim: To enable the students to understand the term “ignition temperature”

Materials Required: Wood, Paper, Chalk piece, Igniter etc.

Procedure:

- Students will be given a piece of wood, a small piece of paper and an igniter.
- They will be asked to draw three boxes on the table with each box carrying the names “wood”, “paper” and “LPG”, respectively.
- Wood and paper will be kept in their respective boxes and the students will be advised to imagine an “LPG” cylinder is kept in the last box.
- The students will start thinking and analyze the reason why the given materials are kept in separate boxes.

CURIOSITY QUESTION:

Have you ever seen the villagers igniting the wood by using the gas lighter?

ANSWER GUIDE:

- Why can't they make use of the gas lighter to fire the wood?
- If you try to burn all these substances by producing a single spark in your igniter, which substance will catch fire first?
- Why is the wood not able to catch fire at first?
- Is the heat /temperature required by the wood same as that of paper and LPG?