

CLASS: VIII

SUBJECT: SCIENCE

CHAPTER: 16. LIGHT

SUBTOPIC: DISPERSION OF LIGHT

EXPERIENTIAL LEARNING

ACTIVITY:

Aim: To enable the students to understand the phenomenon “dispersion”.

Materials Required: Bowl, Water, Plane Mirror

Procedure:

- Students will be instructed to keep the plane mirror in a bowl filled with water.
- The setup should be put near a window in such a way that sunlight falls directly on the mirror.
- The position of the bowl should be adjusted so that the reflected light from the mirror falls on a wall.

CURIOSITY QUESTION:

Have you seen these colours anywhere around you occurring naturally?

ANSWER GUIDE:

- How many colours are there?
- Will you be able to see this in your classroom using any stationery item?
- What happens when a ray of light is passed through a prism?
- What is this phenomenon called?