

EXPERIENTIAL LEARNING ACTIVITY

SUBJECT: SCIENCE

GRADE: VIII

CHAPTER	Force and pressure
TOPIC/CONCEPT	Pressure exerted by liquids
NAME OF THE ACTIVITY	To show that liquids exert equal pressure on all the sides of the container
TYPE OF ACTIVITY	Individual
LEARNING OUTCOME	Liquid exerts equal pressure on all the sides of the container
PROCEDURE/ METHODOLOGY	Material required: Plastic bottle, water Procedure: 1. Take any plastic bottle. 2. Make four holes on all the four sides of the bottle at same depth near the bottom. 3. Keep the bottle on flat surface and fill it with water. Observation: Water falls at the same distance from the holes.
QUESTION	Do the water coming out of holes fall at same distance from the bottle? What does this show?
SOLUTIONS/ HINTS	The water coming out of holes fall at same distance from the bottle. This shows that the liquid exerts equal pressure on all the sides of the container