SAMPLE OF SCRIPT

PETROSAINS SCIENCE SHOW COMPETITION 2015

SCHOOL :
GROUP MEMBERS : 1.
2.
TEACHER ADVISOR :

EXPERIMENT 1

NAME/TITLE	Indestructible Egg
TOPIC	Pressure
LEARNING OBJECTIVE	To demonstrate that balanced forces exert equal pressure.
KEY SCIENCE CONCEPTS/MAIN MESSAGES	Equal pressure from all directions prevent breaking
MATERIALS	An Egg, Cling Film
WHAT TO DO?	1. Take an egg and wrap it with cling paper. 2. Hold the egg with palm and squeeze tightly. 3. Repeat steps 1 and 2 without cling paper if you feel brave enough.
WHAT HAPPENS?	The egg does not break no matter how much pressure is exerted.
SCIENCE EXPLANATION	The curved form of the egg distributes pressure equally all over the shell rather than concentrating it at one point. By completely surrounding the egg with our hand, the pressure we apply by squeezing is applied evenly. However, eggs do not stand up well to uneven pressure which is why they crack easily on the side of a bowl.

EXPERIMENT 2

NAME/TITLE	Egg Walk
TOPIC	Pressure
LEARNING OBJECTIVE	To show that increased surface area reduces pressure exerted
KEY SCIENCE CONCEPTS/MAIN MESSAGES	Pressure is force acting on one unit of surface area.
MATERIALS	Several cartons of eggs
WHAT TO DO?	1. Place cartons of eggs in front you. 2. Walk on them.
WHAT HAPPENS?	The eggs do not break.
SCIENCE EXPLANATION	As surface area increases, pressure decreases if force is kept constant

ATTENTION –** ***1. This is sample of script. AVOID to write in a 'Dialogue' type.
2. Scripts should be typed according to the following format:
a) 'FONT' : ARIAL
b) 'SIZE' : 12
c) 'Spacing' : DOUBLE SPACING
3. Minimum 4 experiments.