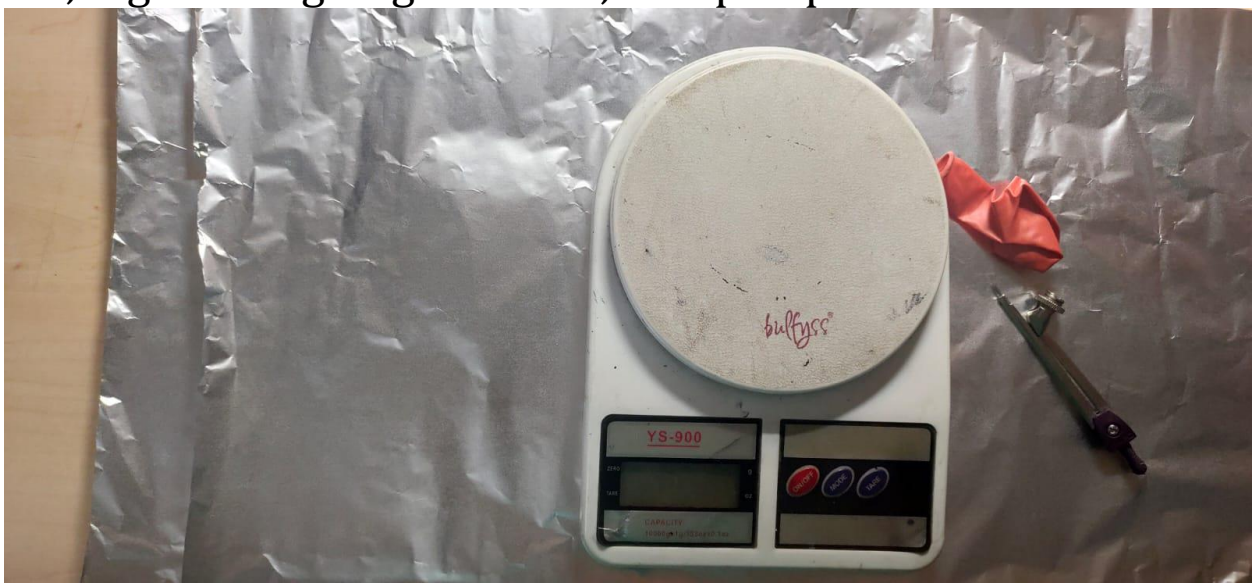
CREATING A BLACK HOLE

Materials Required: one latex balloon, sheets of aluminum foil, digital weighing machine, Sharp implement or rounder.



1.Inflate a latex balloon and completely wrap the balloon in aluminium foil. This is the foil wrapped balloon.

2. Now measure the weight of the balloon (star).Note it.

3. Now gently squeeze the balloon here you are the giant hands of gravity and the balloon should resist being squeezed because of the air pressure within the balloon. This is similar to what happens during the normal life of a star, when gravity is balanced by fusion energy created at the core of the star. Now you're ready to stimulate the end of the star's life as it runs out of fuel and that balance is broken.

4. Now pop the balloon carefully trying not to crush the aluminum foil as you pop it.

5. Be the hands of gravity again and crush the ball as much as you possibly can, keep it round in shape.

8. Finally measure the weight of the ball.

Observation: You'll see that even though the size of the ball changed, its mass did not. This means that it just got more and more dense, like when a star collapses into a black hole.