

## Our Agenda

In this presentation we will demonstrate the following points:

1. What is gravity?
2. Can we see gravity?
3. Feeling the effect of gravity.
4. Absence of gravity
5. Gravitv around earth

## ?What is Gravity



- Gravity or gravitation is a natural phenomenon by which objects with mass attract one another.
- Every object has its own force of gravity.
- Gravity depends on the amount of material that makes up an object. The more material an object has, the stronger is its force of gravity. The force of gravity between two objects decreases as the objects get farther apart.


## Isaac Newton

-Was the first one to discover the law of gravity in the 17 th century.
-He stated that :any two objects or particles having nonzero mass, the force of gravity tends to attract them toward each other.
-Gravity operates on objects of all sizes, from subatomic particles to clusters of galaxies. It also operates over all distances, no matter how small or great.

## ?Can we see gravity

## No, we can't see gravity but we can feel it.



## How can we feel the effect of

 ?gravityWhen a man wants to parachute out of a plane he falls down towards the ground because of gravity.


## Also



When we descend down we don't feel tired


Walking on earth is the natural movement


## What happens in case of absence ?of Gravity

## Life on earth is impossible without Gravity



## ?What about Gravity and astronomy



Astronomers say that all the planets have gravity that attracts the nearby bodies and the force of gravity is proportional to the mass of this planet and
the distance between it and the bodies that it attracts

So that, all the cosmic bodies like-the sun, moon, planets, stars, and cosmic dust, etc.. alinavegravitational fields.

# Is the Gravity equal in all planets? 

The moon has its own gravity, but it is not as strong as that of Earth. That is why astronauts on the moon can carry equipment that would be too heavy to carry on Earth.


## Fun in space



An astronaut who finds juggling fruit is easy without Earth's gravity pulling it down.

Therefore the earth has a gravity field that attracts people to it and because of this gravity the objects are settled on the surface of the earth even the atmosphere.

This means that if there wasn't a gravitational field for the earth, the atmosphere would have escaped and faded away in the outer space.
Hence, the gravity is the reason for the stability of life on earth.

## Sources

## - htto://en.wikipedia.org

- THANKS FOR ATTENTION!!!

