

Who was Isaac Newton?

Isaac Newton was a very important scientist who lived a long time ago, over 300 years ago! He was born in England in 1643. He studied how things move and why they move the way they do.

What did he discover?

One of his biggest ideas is called the **law of gravity**, which means that everything with mass pulls on everything else with mass. For example, the Earth pulls you down to the ground, and that's why you don't float away!

The Famous Apple Story

There's a story that when Isaac Newton was sitting under an apple tree, an apple fell on his head! This made him think about why the apple fell straight down instead of sideways or up. This helped him come up with his ideas about gravity!

Newton's Laws of Motion

He also created three **laws of motion** that explain how things move:

- **First Law:** An object at rest stays at rest unless something makes it move.
- **Second Law:** The more force you use on an object, the faster it will go!
- **Third Law:** For every action, there is an equal and opposite reaction. This means if you push on something, it pushes back just as hard!

Why is he important?

Isaac Newton is important because his discoveries changed how we understand the world around us. He helped people understand why the planets move and how to predict the future movement of objects. His work is used in many things today, like cars, airplanes, and even rockets!

Fun Fact!

Isaac Newton also loved to study light and colors. He made a special tool called a **prism** that splits white light into a rainbow of colors!

Conclusion

Isaac Newton was a brilliant scientist who taught us so much about nature, movement, and light. His ideas are still super important today!