



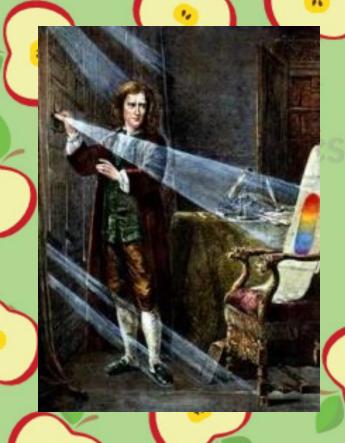
- Started developing Calculus as early as 1666 but never really got around to publishing much
- In about 1668, Wilhelm Leibniz began developing very similar ideas and published them before Newton's published his work
 - Arguing ensued
- (Leibniz used dy/dx notation; Newton used y)



Post-Modern Newton

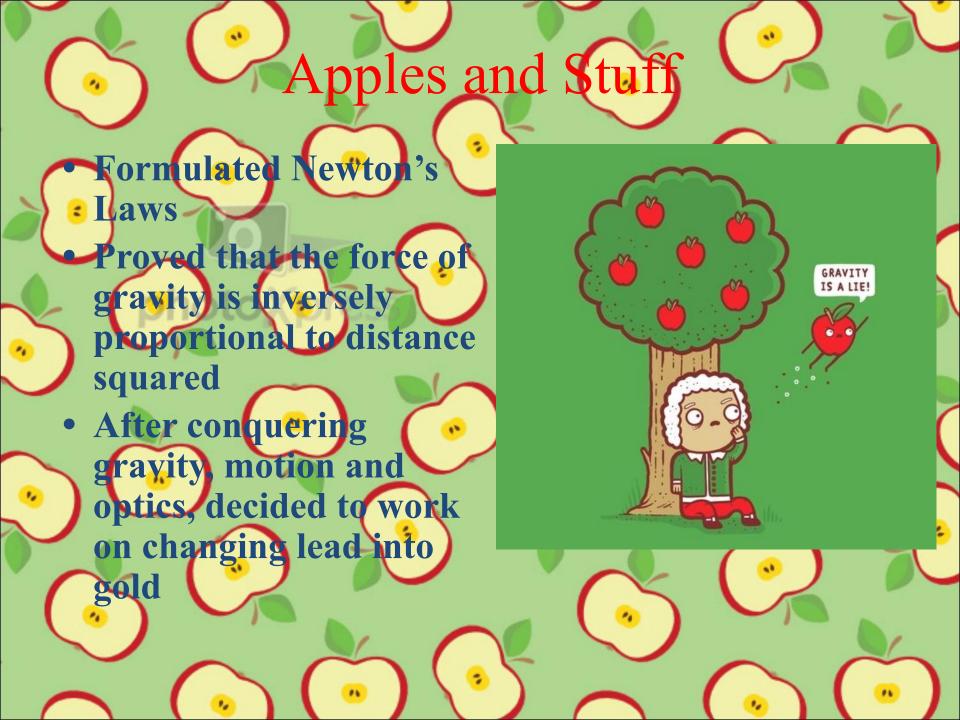
Opticks (

- Discovered that light is made up of a spectrum of colors
- Made the first telescope that used a curved mirror instead of lenses
- Believed that light was made up of "corpuscles" rather than waves (Hooke and Huygens disagreed)
- Didn't publish any of this until the after the death of Hooke in 1703



Newton in the Lab



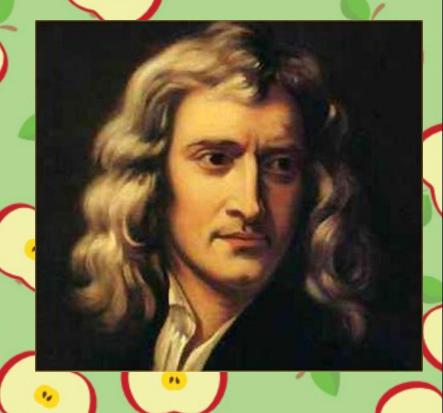


Religious Views

Wrote a book about the fall of Christianity in the 4th Century A.D.

"This most beautiful system of the sun, planets, and comets, could only proceed from the counsel and dominion of an intelligent Being ... This Being governs all things ... as Lord of all. ... Atheism is so senseless. When I look at the solar system, I see the earth at the right distance from the sun to receive the proper amounts of heat and light. This did not happen by chance."

His religious ideas got him in trouble because he taught at a church-run university





"I do not know what I may appear to the world, but to myself I seem to have been • only like a boy playing on the sea-shore, and diverting myself in now and then finding a smoother pebble or a prettier shell than ordinary whilst the great ocean of truth lay all undiscovered before me. - Isaac Newton

