

Sir Isaac Newton **1642-1727**

10:13:10:00 – 10:15:53:00

Dur: 2:43

- 13:15 This is Sir Isaac Newton. He loved numbers and was a famous scientist.
- 13:22 Newton lived in England more than 350 years ago.
He grew up on his grandparents farm – without a mommy and a daddy. So at times - he was quite unhappy.
- 13:39 He had to leave school early in order to work on the farm. But he was a lousy farmer. He just read all the time and didn't watch his animals – so they ate the neighbours' crops.
- 13:51 When Newton started at the university he was broke. He had to serve food and polish his professors' boots in order to make some money.
- 14:05 He used his pocket money to buy tools – because he loved building things – like water clocks and windmills.
He was very curious and experimented a lot.
- 14:20 One of his experiments was to send white light through a prism and show how the light split into all the colours of the rainbow.
- 14:29 One day – when Newton was sitting in his garden, thinking – an apple fell on his head. That made Newton think harder – why was it that everything fell down to earth and not sideways or floating around?
- 14:49 He made calculations and pondered and discovered what we call gravity – a kind of magnet inside the earth that keeps things in place.
- 15:07 This gravity even keeps the moon in place around the earth.
- 15:11 Newton designed telescopes to study space. And all telescopes today use the same principles as Newton's did.
- 15:23 He discovered new mathematical theories and became a teacher. But he was very cranky – and not a good teacher.
- 15:36 Still Newton became famous for all his discoveries. The king held a big party for him and he was knighted. Afterwards everyone had to address him as SIR Isaac Newton.
He liked that a lot.