

Isaac Newton

Natural
Philosopher

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in in/isaacnewton

about

I invented calculus and gravity. I also wrote a few important papers on optics, planetary motion, and math.

education

1667

MA
Mathematics and
Physics

Cambridge
Trinity College

1665

BA
Philosophy

Cambridge
Trinity College

skills

alchemy, astronomy, calculus, casual ocular needle insertion, finding roots of functions, heliocentricity, latin, mechanics, optics, planetary motion, public speaking, writing papers,

experience

Trinity College,
Cambridge

1669 – 1702

Lucasian Professor of
Mathematics

Mainly mathematical sciences, but also the study of alchemy and biblical chronology. I generalized the binomial theorem to allow real exponents other than nonnegative integers. Also devised a method for finding successively better approximations to the roots (or zeroes) of a real-valued function, it's called "Newton's method"

Trinity College

1661 – 1664

Valet

Tending to my employer as his personal assistant. I was a subsizar to help pay for studies at Trinity College.

Farm

1659 – 1661

Farmer

Tedious and laborious farm work. I hated it. My mother made me do it after my dumb step-father died again.

publications

I. Newton. *Opticks, or, a treatise of the reflections, refractions, inflections & colours of light* [1704]

I. Newton. *The principia: mathematical principles of natural philosophy* [1687]

I. Newton, J. Colson. *The method of fluxions and infinite series; with its application to the geometry of curve-lines* [1736]

I. Newton. *De motu corporum in gyrum*. Late, 1684:55

I. Newton. *Arithmetica universalis* [1732]