BO1 History of Mathematics Lecture V Newton's *Principia*Part 1: Isaac Newton

MT 2020 Week 3

Summary

Part 1

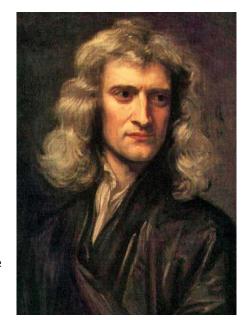
► Isaac Newton (1642–1727)

Part 2

 Kepler's laws, Descartes' theory, Hooke's conjecture

Part 3

- ► The *Principia*
- Editions and influence of the *Principia*



Newton summarised

Alexander Pope, 1730:

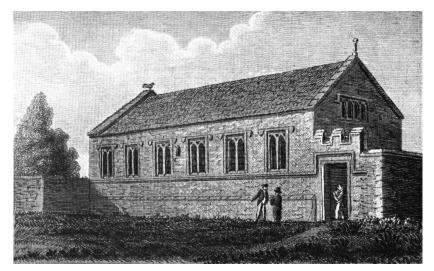
Nature and Nature's Laws lay hid in Night. God said, Let Newton be! and All was Light.

Woolsthorpe Manor



Newton born at Woolsthorpe Manor, 25th December 1642

Grantham Grammar School

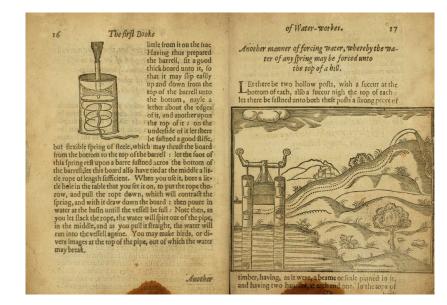


Now The King's School, Grantham

John Bate: The mysteries of nature and art (1634)

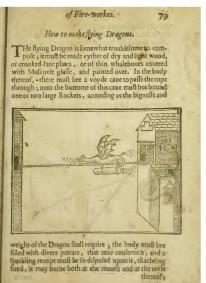


John Bate: The mysteries of nature and art (1634)

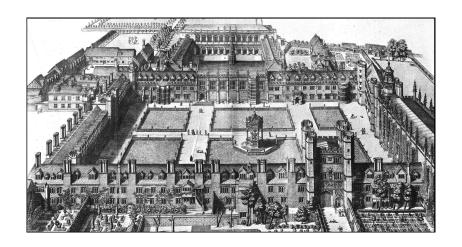


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Trinity College, Cambridge



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1696–1727: Warden of the Mint