

## Outline Francis Bacon 1561 – 1626

- 1) Bacon was a major figure in the early development of science? What was the importance of the method he developed?
- 2) What was the method he developed? Key terms here are observation and verifiability.
- 3) What sort of knowledge if any, does science give us, and how does it operate.
  - a) Investigation of the *forms*. (i.e. light, heat, whiteness, heaviness, hardness)
- 4) What is science? Bacon argues that we should think of science as an instrument that is used to change and manipulate nature so that it (nature) can be used to satisfy human needs.
- 5) How does science achieve the extraordinary successes that has set it above all other disciplines in the modern world?
- 6) How do we know what is genuine science and what is not?
  - a) Genuine science enables us to anticipate phenomena of nature and to control them.
  - b) Genuine science is concerned with verification.
  - c) Genuine science will increase the general body of tested and verified truth.
  - d) Scientific method will eliminate arbitrary opinion.