

Homework DUE THURSDAY! WRITE THIS BEFORE THE BELL RINGS

- For homework due Thursday October 17, read all of Chapter 19 and complete questions 1-21 on page 494.

Scientific Revolution and Enlightenment

Before the Scientific Revolution

- Aristotle-
- As we watch the following video, write down 3 important things about Aristotle that the video discusses

Background

- *What did the Renaissance do?*
 - The Renaissance sparked interest and curiosity about many things, allowing people to start to think for themselves
- *What did the Reformation question?*
 - The Reformation led people to question and challenge the original views of God, the church, and salvation

- *At the same time as the Reformation...*
 - Individuals began to challenge the way people viewed their place in the Universe. This became known as the Scientific Revolution.

What was the Scientific Revolution?

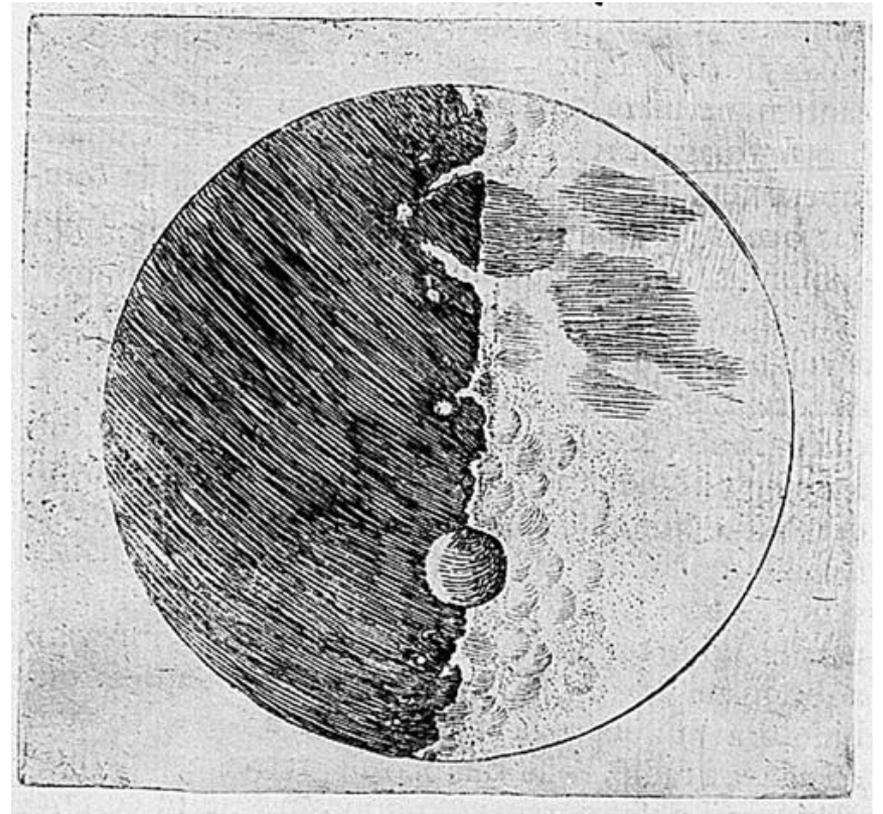
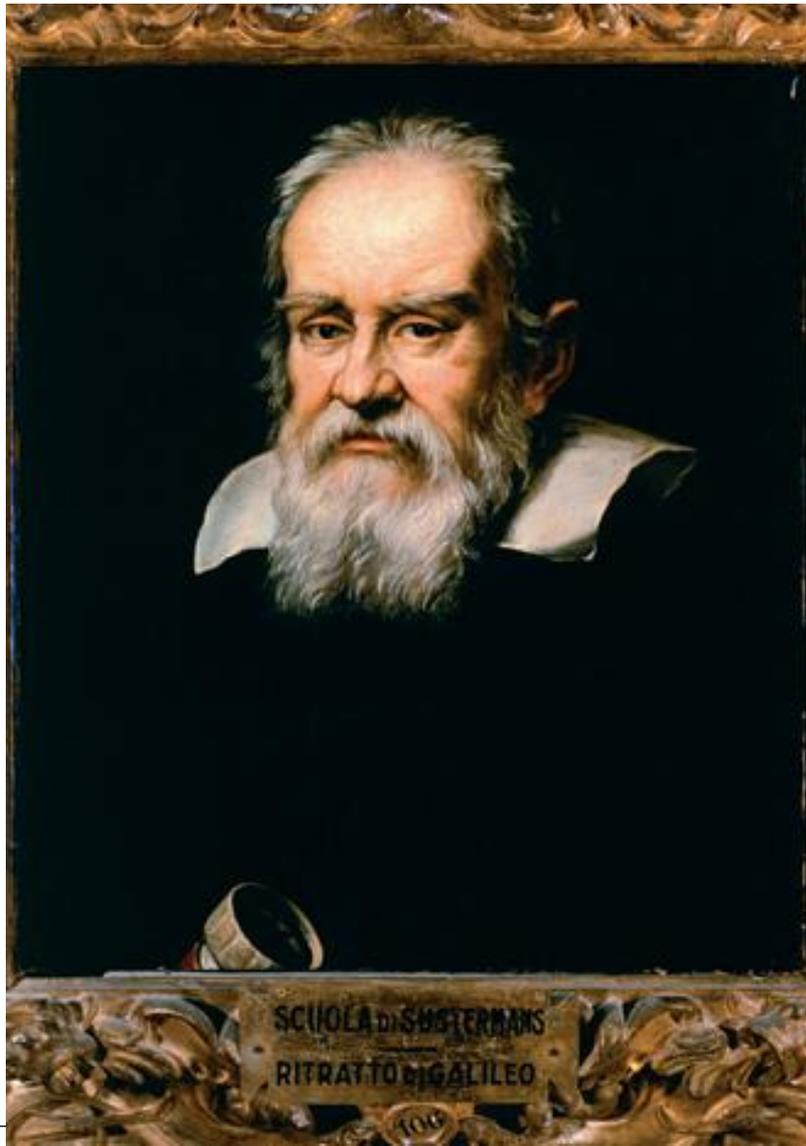
- The Scientific Revolution was a new way of thinking about the natural world.
- Based on:
 - careful observation of nature
 - a willingness to question widely accepted beliefs
 - Reason
- Result: the expansion of scientific knowledge



Copernicus

- *On the Revolutions of Heavenly Spheres*
 - Heliocentrism
 - Argued that the earth revolved around the sun
 - Directly challenges the OLD ORDER and to an extent the bible
 - Churches (both Protestant and Catholic) condemn Copernican theory, begin persecution of heliocentric supporters

Galileo Galilei (1564-1642)



Video

- As you watch the following video write down 2 important things about Galileo

Galileo 1564-1642

- Develops the law of motions
- Validates heliocentric view with the telescope
- Catholic Church deems him to be heretical
 - Galileo is forced to retract his support of Copernican theory
 - What does this show?

Video on Descartes

- As we watch the following video write down two things you think are important

Cartesian Thought

- *Discourse on Method* (1637)
- Systematic doubt
 - “*Cogito ergo sum*”
 - **I think therefore I am**
- Deductive reasoning
- Rationalism
- “Cartesian Dualism”
 - Divided all existence into the spiritual and the material
 - Spirituality can only be examined through logic. The material world is subject to scientific method

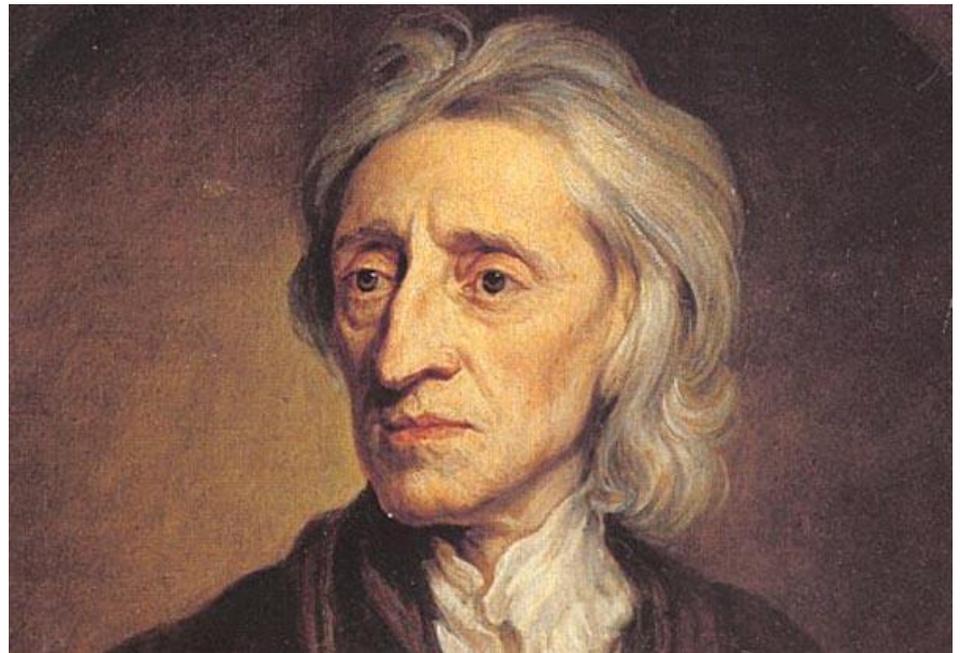
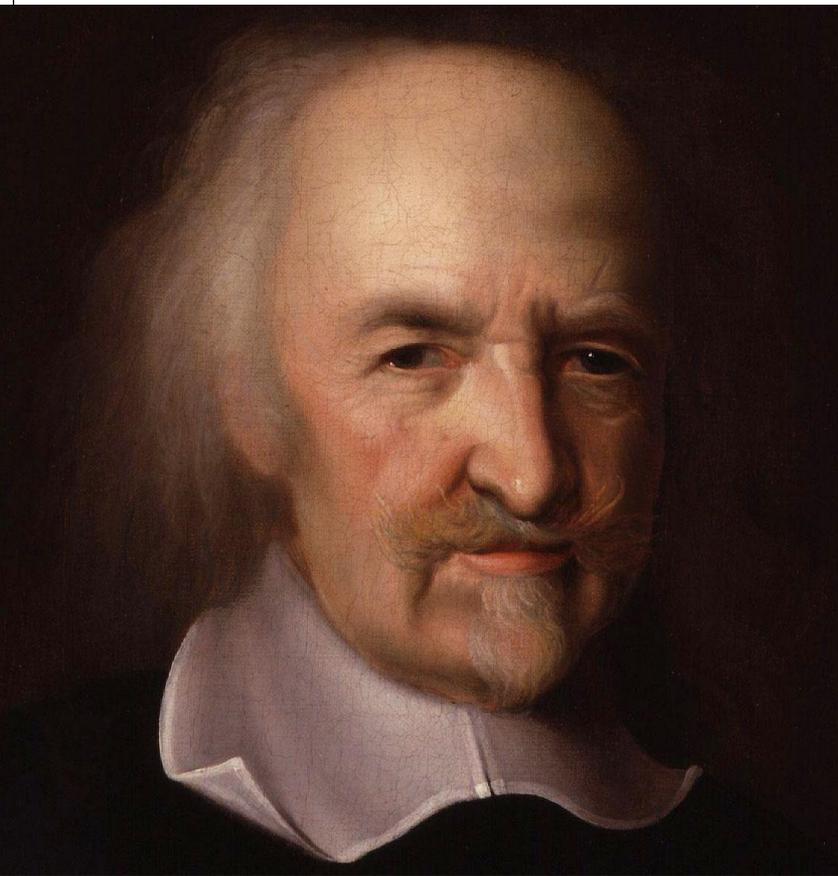
Video on John Locke and Thomas Hobbes

- Write two things that are important as we watch the following video

Hobbes

and

Locke



Video on Immanuel Kant

- Write two things you deem important as we watch.

Immanuel Kant



IMMANUEL KANT
From a painting by

Video on David Hume

- Write two important things as we watch the video

David Hume

