STANDARD WHII.6a Scientific Revolution

The student will demonstrate knowledge of scientific, political, economic, and religious changes during the sixteenth, seventeenth, and eighteenth centuries by

a) describing the Scientific Revolution and its effects.

**Essential Questions**

What were some new scientific theories and discoveries?

What were some of the effects of these new theories?

**Essential Understandings**

With its emphasis on reasoned observation and systematic measurement, the Scientific Revolution changed the way people viewed the world and their place in it.

**Essential Knowledge**

Pioneers of the scientific revolution

* Nicolaus Copernicus developed heliocentric theory.
* Johannes Kepler discovered planetary motion.
* Galileo Galilei used telescope to support heliocentric theory.
* Isaac Newton formulated law of gravity.
* William Harvey discovered circulation of the blood.

Importance of the scientific revolution

* Emphasis on reason and systematic observation of nature
* Formulation of the scientific method
* Expansion of scientific knowledge

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