Scientific Revolution Webquest

Directions: You will need a pen/pencil, this worksheet from my website, and a pair of earbuds in order to listen to the videos. Watch the videos and then go to the websites in order to answer the questions.

Nicolas Copernicus

![C:\Users\e200200446\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\A2T0RWVF\MC900435159[1].wmf]()Video: <http://www.history.com/shows/the-universe/videos/beyond-the-big-bang-copernicus>

Copernicus Site <http://www.history.com/this-day-in-history/copernicus-born>

Explain the Ptolemaic version of Geocentric Theory?

How was Copernicus’ Heliocentric theory different?

What three later Scientific Revolutionaries were heavily influenced by him?

Johannes Kepler

Video: <http://www.youtube.com/watch?v=a19LTnXkyVQ>

Kepler Site: <http://www.history.com/this-day-in-history/universe-is-created-according-to-kepler>

How did Kepler improve on Galileo’s ideas of orbital movements?

What were his laws based on?

Which English Scientist did he influence?

![C:\Users\e200200446\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\LCTK2C5C\MC900083519[1].wmf]()Galileo Galilei

Video: <http://www.history.com/shows/the-universe/videos/beyond-the-big-bang-galileo-galilei>

Galileo Site: <http://www.history.com/topics/galileo-galilei>

What was the ‘Starry Messenger’?

Who did it contradict?

Which Scientific Revolutionary *influenced* him?

What did the Roman Catholic Church do to him for his support of Heliocentricism?

Search the site to explain what *Eppur si muove*  means and how it applies to him.

![C:\Users\e200200446\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\L1H20T3W\MC900156715[1].wmf]()Sir Isaac Newton

Video: <http://www.history.com/videos/isaac-newton-and-a-scientific-revolution#isaac-newton-and-a-scientific-revolution>

Site: http://www.biography.com/people/isaac-newton-9422656

Which earlier Scientists influenced Newton? (hint, you have studied them)

What Theory is Newton most commonly known for and how does it apply to Science?

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Sir Francis Bacon

Bacon Site:<http://www.bbc.co.uk/history/historic_figures/bacon_francis.shtml>

Which Scientific ideas did Bacon dispute?

What were his assumptions in Novum Organum about the scientific method?