Scientific Revolution Guided Notes

* **So you wanna start a revolution…**
	+ Revolution from the Latin term *revolutio,* meaning .
	+ The use of the word revolution makes it’s during the Scientific Revolution.
* **Out with the old (Origins)**
	+ Europeans relied on sources of knowledge.
		- bible and teachings
		- work of philosophers
* **In with the new…**
	+ New Ideas
		- The Renaissance and the Reformation cause people to question and think for .
		- attendance increases.
		- and bring new ideas.
		- sparks interest in research and technology.
* **The Big 3 Scientists**
	+ :believed the Earth revolves around the sun.
	+ :proved Copernicus right; he invented the effective telescope.
	+ : Invented Calculus; discovered gravity
* **Copernicus**
	+ First major breakthrough in new thinking comes in .
	+ Old: The earth is the of the universe (geocentric).
	+ The old way of thinking is supported by the .
	+ New: Copernicus determines that Earth and the other planets around the sun (heliocentric).
	+ He is :(
* **Galileo**
	+ comes to save Copernicus’s day.
	+ Invents first telescope
	+ He uses a to observe the planet’s rotation.
	+ The charges him with heresy.
	+ Galileo is forced to his views.
* **Sir Isaac Newton**
	+ explained the laws of and .
	+ People begin to see the universe as a machine.
* **Impacts of the Scientific Revolution**
* A key outcome of the Scientific Revolution is the .
* It will form the for the next several centuries.
* Scientists, like Francis Bacon, begin to place a greater value on .
* People also begin to discover that their lives are by scientific discovery.
* New technology begins to affect and the .
* **21 Century Connections**
	+ What are some examples of scientific controversy that exist in the world today?

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