

Reading Quiz 0.2 pt 2

Ch1 = 493
Ch2 = 51-57
Ch3 = 93-117

Aaron Gonzalez

2) Nueva España

One example of book trade that was translated and significant to new Spain was the Elementary Treatise on Chemistry by Lavoisier, a French Chemist.

Another example of trade was the Principles of Physics and experimental Mathematics (1802). These two texts were very significant to the people of Nueva España because it introduced Newtonian physics to be applied to issues associated w/ mining as well as concepts of Aerodynamics, hydraulics, etc. Prior to the translation Nueva España also contributed to the concepts of modern or going towards modern/Newtonian physics through books like Special Physics (1765) by Juan Benito Díaz.

3) Nueva Granada

- 1) Quito - Modern day Ecuador
- Santa Fe (Cde Bogota) - Colombia
- Caracas - Venezuela

2)

The Universidad de Javeriana in Santa Fe was one of the first institutions to permit enlightenment teachings that included Copernicus and Newton's theories unlike the University of Caracas who focused on their Scholastic approach to education. These however were not founded upon enlightenment ideas though, like the ^{Tro} Universidad de la Hibana who explored Astronomical observations and the founder, Ricardo Gamboa, secretly supporting the heliocentric theory were.

4) Comparisons of Adoptions of Scientific Revolution

- 1) The two figures in Nueva España and Nueva Granada both agree upon the theoretical and practical applications the enlightenment has brought forth as well as the advancement of Sciences going forward. Beginning with Jose Ignacio, He left an entire library filled w/ published volumes of

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Scientific works and enlightenment ideas that at the time he could not just share w/ society. After his death however his teachings were passed on as the regulation of books became less tense including the tools he possessed such as a microscope, magnifying glass, etc. Jose Celestino's viceregalty was not as heavily regulated on of Enlightenment ideals and Scientific advances as he was within a vicerealty who was much more accepting to these ideals as he was able to provide courses upon Copernican and Newtonian Principles in Nueva Granada. Jose Celestino also contributed to the beneficial properties of botany w/ regard to medicine that would last years to come.

2) The educational role of the Jesuits in Nueva Granada were to first systematically teach theories of Descartes, Copernicus, and Newton within the Universities. They maintained significant influence upon education within Nueva Granada. The educational role of the Dominicans was to limit knowledge to the people by monopolizing education and keeping Jesuit education from the people (Creoles) etc. The Jesuits were forced out of Nueva Granadan education by the Crown so that they may control and maintain political power. The Dominicans operated education with a high price tag to limit the Creole elite from getting power and even withheld educational information via repression.

3) The Spanish Crown took control of education b/c of the lack of infrastructure that supported it as well as the inclusion of the clergy within the state and education. The Crown sought to do this to maintain both political and economic power over the elite and knowledge. The control of education grants political control because the crown chooses who's in demand/popular rather than giving them positions of power. This also regulates the price tag to even obtain said educational "power" thus manipulate. Being able to determine somebody's future by enabling or disabling their ability to do something is powerful.

5 Advent of Newtonian Physics

- 1) The significance of the geodetic expedition of Charles de la Condamine was ~~the~~ his discovery and mapping of the Amazon as well as his discovery of the rubber tree as well as the inclusion and importance of Jesuit Father Juan Magin upon the gathering of this information. The goal was to gain an understanding of the river's shape and relative course to Quito or the Viceroyalty of Peru.

2) Jesuits

Yes, this Order did in fact always teach Newtonian physics w/ aid of the Enlightenment.