

Healing the Divide: Engaging STEM Students through Ancient Science and Medicine

I. Galen, *The Best Doctor is Also a Philosopher*, 60–61K

“[The doctor] must be practiced in logical theory in order to discover the nature of the body, the differences between diseases, and the indications as to treatment; he must despise money and cultivate self-control in order to stay the course. He must, therefore, know all the parts of philosophy: the logical, the physical, and the ethical. In that case there will be no danger of his performing any evil action since he practices self-control and despises money: all evil actions that men undertake are done either at the prompting of greed or under the spell of pleasure. And so he is bound to be in the possession of the other virtues too, for they all go together. It is impossible to gain one without acquiring all the others as an immediate consequence; they are connected as if by one string.” (translation by P.N. Singer)

II. “At school, Fauci’s accomplished peers were headed to careers in medicine, engineering, and the law. At home, he was steeped in the humanities: ‘Virtually all my relatives on my mother’s side—her father, her brother, and her sister’s children—are artists.’ His mother helped tip the balance. ‘She never really pressured me in any way, but I think I subtly picked up the vibrations that she wanted very much for me to be a physician,’ Fauci said. ‘There was this tension—**would it be humanities and classics, or would it be science? As I analyzed that, it seemed to me that being a physician was the perfect melding of both of those aspirations.**’” (*The New Yorker*, 10 April 2020)

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Selected Online Resources

Anatomical Illustration: Art Informing

Science: <https://library.missouri.edu/exhibits/anatomy/pre17th.htm>

Antiqua Medicina: From Homer to Vesalius

<http://exhibits.hsl.virginia.edu/antiqua/>

Brooklyn College LibGuide for *Ancient Medicine: The Classical Roots of the Medical Humanities* http://libguides.brooklyn.cuny.edu/ancientmedicine_goyette

British Society for the History of Science

<https://www.bsbs.org.uk/> (see also: <http://www.bsbs.org.uk/links>)

Corpus Medicorum Graecorum / Latinorum (compilation of Greek and Latin medical texts)

<http://cmg.bbaw.de/epubl/online/editionen.html>

Fordham History of Science Sourcebook

<https://sourcebooks.fordham.edu/science/sciencesbook.asp>

Greek Medicine: From the Gods to Galen

<https://www.nlm.nih.gov/hmd/greek/index.html>

Islamic Medical Manuscripts

<https://www.nlm.nih.gov/hmd/arabic/welcome.html>

Museo Galileo

<https://www.museogalileo.it/en>

National Library of Medicine: Historical Anatomies

https://www.nlm.nih.gov/exhibition/historicalanatomies/vesalius_home.html

National Library of Medicine: Medical History Galleries

<https://www.flickr.com/photos/nlmhmd/albums>

Pavur, Claude: Latin Version of the Hippocratic Oath

https://www.academia.edu/2638728/The_Hippocratic_Oath_in_Latin_with_English_translation

Smithsonian History of Science Research Guide

<https://library.si.edu/libraries/dibner-library-history-science-and-technology/researchguide>

Surgical Instruments from Ancient Rome

<http://exhibits.hsl.virginia.edu/romansurgical/>

Synopsis Health Humanities Journal

<https://medicalhealthhumanities.com/>

U.S. Forest Service on Medicinal Botany

<https://www.fs.fed.us/wildflowers/ethnobotany/medicinal/index.shtml>

Wellcome Library: Botany Collection

<https://wellcomecollection.org/works?query=botany>

Wellcome Library: Digital Collections

<https://wellcomelibrary.org/collections/digital-collections/>