

VIII. SCIENCE, TECHNOLOGY, AND SOCIETY

Social Studies teachers should possess the knowledge, capabilities, and dispositions to organize and provide instruction at the appropriate school level for the study of science, technology, and society.

Learner Expectations

Science is an enterprise that focuses on inquiry about natural phenomena; technology is the designing of things and processes to achieve practical purposes. Learners need to realize that both science and technology have had a profound effect in shaping human experience and the world around us. Tracing the impact of science and technology in such areas of human endeavor as agriculture, manufacturing, the production and distribution of goods and services, the use of energy, communication, transportation, information processing, medicine and health care, and warfare enables learners to understand both the way science and technology have influenced and have been influenced by individuals, societies, and cultures.

By examining questions and issues raised historically and contemporaneously resulting from scientific inquiry and technological applications, learners can be better prepared to make informed decisions as citizens about individual choices and policy alternatives that face society. Is new technology always better than old? What can we learn from the past about how the enterprises of science and technology have resulted in broader social change, some of which is unanticipated? How can we cope with the ever increasing pace of change? How can we manage scientific and technological activities so that the greatest number of people benefit from them and the rights and interests of the minority are not forfeited? How can we preserve our fundamental values and beliefs in the midst of scientific inquiry and technological change?

INSTRUCTIONS

1. List the courses you have taken (and final grade earned) that you feel have addressed this standard.

Course #	Course Name	Instructor	Grade	Ck

2. Check (ck) above the one course that best enabled you to understand the concepts in this standard.
 - Attach a graded work sample from this class.
 - Attach a syllabus from this class. Highlight where the work sample appears in the syllabus.
 - Note that you can use one course for more than one standard; however, you can only use your graded work sample once.
3. Write a 150-200 words essay (typed, double-spaced, and in 12-point font) that addresses the questions listed below.
 - a. Why did you choose this particular course as your example? (Demonstrate that you understand the content and concepts contained in the standard. Show clearly how the course relates to the standard.)
 - b. How does your work sample show that you understand this standard? (Demonstrate the sample's relationship to the standard.)