

TED 380 Unit and Lesson Plan Rubric

by COE Administrator

Tech.: Nature & Society

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Technology: Nature & Society Rubric

Department of Technological Studies

The College of New Jersey

Sophomore Professional Course (TED280)

Distinguished: Teacher candidate consistently and significantly exceeded basic competence on standard of performance.

Proficient: Teacher candidate exceeded basic competence on standard of performance, most of the time.

Basic: Teacher candidate demonstrated basic competence on standard of performance.

Unsatisfactory: Teacher candidate did not demonstrate competence on standard of performance.

Not demonstrated: Teacher candidate could not be assessed on this criteria because it was absent in their inquiry project.

Standards

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| ITEA-CTTE-2003.1 | STANDARD — THE NATURE OF TECHNOLOGY: Technology teacher education program candidates develop an understanding of the nature of technology within the context of the Designed World. |
| ITEA-CTTE-2003.1.D.1 | D: Comprehend the nature of technology in a way that demonstrates sensitivity to the positive and negative aspects of technology in our world. |
| ITEA-CTTE-2003.1.K.1 | K: Explain the characteristics and scope of technology. Compare the relationship among technologies and the connections between technology and other disciplines. |
| ITEA-CTTE-2003.1.P.1 | P: Apply the concepts and principles of technology when teaching technology in the classroom and laboratory. |

- ITEA-CTTE-2003.2.D.1** D: Demonstrate sensitivity to appropriate and inappropriate uses of technology and its effects on society and the environment.
- ITEA-CTTE-2003.2.D.2** D: Make decisions based on knowledge of intended and unintended effects of technology on society and the environment.
- ITEA-CTTE-2003.2.K.1** K: Compare the relationships between technology and social, cultural, political, and economic systems.
- ITEA-CTTE-2003.2.K.2** K: Assess the role of society in the development and use of technology.
- ITEA-CTTE-2003.2.K.3** K: Assess the importance of significant technological innovations on the history of human kind.
- ITEA-CTTE-2003.2.P.1** P: Judge the effects of technology on the environment.
- ITEA-CTTE-2003.2.P.2** P: Evaluate the relationship between technology and social institutions such as family, religion, education, government, and workforce.

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	Innovating (4.000 pts)	Proficient (3.000 pts)	Developing (2.000 pts)	Unsatisfactory (1.000 pt)	Not Demonstrated (0.000 pt)
Std I. Characteristics and scope of technology (1.000, 12%) ITEA-CTTE-2003.1.K.1	TC has in-depth knowledge of the subject matter as demonstrated through the creative scenario, background information and critical analysis of the problem presented in the design challenge				Not documented
Std I. Relationship among technologies and connections between technology and other disciplines (1.000, 12%) ITEA-CTTE-2003.1.K.1	T/C incorporates principles and concepts from science, technology, engineering, mathematics and at least one other discipline into the design challenge created.				Not documented
Std I. Apply the concepts and principles of technology when teaching technology (1.000, 12%)	The design brief and constraints developed within the context of the design challenge incorporate ALL of the following: time, information, capital, tools and				Not documented

ITEA-CTTE-2003.1.P.1	machines, energy, materials and people.				
Std I. Comprehend the nature of technology: sensitivity to positive and negative aspects (1.000, 12%) ITEA-CTTE-2003.1.D.1	The design challenge documentation required for assessment of the solution includes at least four alternate solution sketches with an analysis of the pros, cons and tradeoffs and intended and unintended outcomes of each design.				Not documented
Std II. Compare relationships between technology and social, cultural, political and economic systems. (1.000, 12%) ITEA-CTTE-2003.2.K.1	The article synopsis and analysis compared and examined the relationships between technology and ALL of the following systems: social, cultural, political and economic				
Std II. Evaluate the relationship between technology and social institutions such as family, religion, education, government and the workplace. (1.000, 12%) ITEA-CTTE-2003.2.P.2	The article analysis assessed the relationships between technology and ALL of the following social institutions: family, religion, education, government and the workplace.				
Std II. Make decisions based on knowledge of intended and unintended effects of technology on society and the environment (1.000, 12%) ITEA-CTTE-2003.2.D.2	The paper selected and defended a technological solution based on all of the following effects on society and the environment: intended and desired effects of technology, intended and undesired effects				

	of technology, unintended and desired effects of technology and unintended and undesired effects of technology.				
Std II. Assess the importance of significant technological innovations on the history of human kind. (1.000, 12%) ITEA-CTTE-2003.2.K.3	The paper traces the evolution of and societal effects of a noteworthy innovation from at least four of the following time periods; the Stone Age, Bronze Age, Iron Age, Middle Ages, the Renaissance, and the Industrial Revolution to the Information Age that reshaped the world as we know it.				