

Contact Person 2005-06

Name John Karsnitz
Phone 609-771-2782
Email karsnitz@tcnj.edu

Program(s) Assessed

Technology Education and all M/S/T majors

Learning Goal/Outcome

Demonstrate a critical understanding of curriculum. Students will be able to: 6.1 Describe the major educational philosophies and develop a rationale for the study of technology in order to foster technological literacy; 6.2 Describe and be able to implement an appropriate procedure for developing an articulated K-12 curriculum based on Standards for Technological Literacy; 6.3 Assess existing curriculum and instructional materials relative to alignment with the Standards for Technological Literacy; 6.4 Examine a technology curriculum and show the interrelationships between technology and other content areas such as mathematics, science, art and social studies; 6.5 Improve and update a technology curriculum by making informed decisions using multiple sources of information; 6.6 Implement a technology curriculum that progressively expands the technological knowledge and capabilities of students; 6.7 Demonstrate sensitivity to student learning styles, cultural diversity, students with special needs, and gender issues when developing, selecting or assessing a technology curriculum

Question

Are technology education and m/s/t graduates able to develop and implement technology based curriculum that leads students to an appropriate level of technological understanding (literacy as defined in NJDOE and national standards)?

Expected Answer (hypothesis)

Both technology education and m/s/t graduates are developing and implementing standards based technology curriculum in their schools. Determining the level of student achievement in technological literacy is only anecdotal since no State test for Standard 8 is being administered. Some information about technological literacy will be available when Standard 5.4 is tested.

Hoped for Answer (alternate hypothesis)

Plan (methods)

All Technology Education, and to a lesser extent M/S/T students, have already demonstrated successfully the development and implementation of standards based technology principles in lessons given during JPE and Student Teaching. To determine the degree to which graduates are developing and implementing standards based technology curriculum, a survey will be developed to collect data about specific lessons developed and the standards that they are intended to meet. The survey will be sent to all Technology Education and M/S/T graduates since 2001.