

Program Standard 9: Using Technology in the Classroom

Through planned prerequisite and/or professional preparation, each candidate learns and begins to use appropriately computer-based technology to facilitate the teaching and learning process. Each candidate demonstrates knowledge of current basic computer hardware and software terminology and demonstrates competency in the operation and care of computer related hardware. Each candidate demonstrates knowledge and understanding of the legal and ethical issues concerned with the use of technology. Each candidate demonstrates knowledge and understanding of the appropriate use of computer-based technology for information collection, analysis and management in the instructional setting. Each candidate is able to select and evaluate wide array of technologies for effective use in relation to the state-adopted academic curriculum.

Program Elements for Standard 9: Using Computer-Based Technology in the Classroom

An accreditation team determines whether the preliminary teacher preparation program meets this standard based on evidence provided by the program sponsor. The team must determine that the quality of the program has been clearly and effectively substantiated in relation to each of the following elements.

- 9(a) Each candidate considers the content to be taught and selects appropriate technological resources to support, manage, and enhance student learning in relation to prior experiences and level of academic accomplishment.
- 9(b) Each candidate analyzes best practices and research findings on the use of technology and designs lessons accordingly.
- 9(c) Each candidate is familiar with basic principles of operation of computer hardware and software, and implements basic troubleshooting techniques for computer systems and related peripheral devices before accessing the appropriate avenue of technical support.
- 9(d) Each candidate uses computer applications to manage records and to communicate through printed media.
- 9(e) Each candidate interacts with others using e-mail and is familiar with a variety of computer-based collaborative.
- 9(f) Each candidate examines a variety of current educational technologies and uses established selection criteria to evaluate materials, for example, multimedia, Internet resources, telecommunications, computer-assisted instruction, and productivity and presentation tools. (See California State guidelines and evaluations.)
- 9(g) Each candidate chooses software for its relevance, effectiveness, alignment with content standards, and value added to student learning.
- 9(h) Each candidate demonstrates competence in the use of electronic research tools and the ability to assess the authenticity, reliability, and bias of the data gathered.
- 9(i) Each candidate demonstrates knowledge of copyright issues and of privacy, security, safety issues and Acceptable Use Policies.