



## Pre-Service Science Teachers' Views about Technology in Educational Settings

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The purpose of the study is to investigate pre-service science teachers' views about the technology and use of it in educational settings. The study was carried out among fourth grade 29 pre-service science teachers studying at a faculty of education in Aegean Region in Turkey during the 2010-2011 fall semesters. In this study, open-ended questions were used related with participants' views about the technology and use of technology in educational settings. Pre-service science teachers were also asked some questions about their professional interest and competence on technology. Then, in order to get deeper information, semi-structured interviews were made with randomly selected nine participants. In this study, descriptive and content analysis were used to analyze qualitative data. The results showed that the pre-service science teachers usually associate technology with computer and internet; define technology as tools facilitating daily life, providing visuality and convenience, producing solutions to the problems for the benefit of humanity, etc. Moreover, related with the place of technology in the education system, they emphasized that technology concretizes abstract concepts, facilitates understandability, addresses more senses, associates the topics with daily life, facilitates construction of knowledge, and provides research etc. As for technological tools, they mentioned that they plan to use computer, projection apparatus, science software, simulation, video, internet, microscope, camera, animation, and smart board after becoming a teacher to endear science to students, facilitate project works, motivate students and take their attention, increase productivity etc. Furthermore, almost half of the participants stated that they feel themselves sufficient to use technological tools. The participants, who felt themselves partially sufficient, mostly caused this situation to the technological tools used in the courses they took up to now. However, some of the participants emphasized that although they feel competent about using projection apparatus, microscope, overhead projector, they need some pre-service training or well-designed elective courses to develop themselves about using some advanced tools such as smart boards.