

Theoretical and Logical Bases of Technology Education

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Technology Education and its promotion in public education is considered as one of important factors towards development of a country. During recent decades a field of study referred to as technology education, offered at different academic levels including four year college, MA and doctorate levels, has been initiated in developed countries within the context of an interdisciplinary education. As a Scientific and research discipline Technology Education promotes the technological literacy of learners to cope with their needs by manipulating the materials through experimental techniques and innovative approaches. According to psychological researches, technology education as an intelligent discipline organizes the mind of learners through problem solving and creativity promotion skills to impact their surrounding environments.

In terms of educational philosophy, technology education beyond its role in development of certain skills is an approach to improve the attitude of learners regarding the reciprocal affects of technology and socio-cultural affairs.

Technology training as a course offering along with general education is initiated from the preschool and continues to higher education by special technology resources and professional teachers. With the help of technology education, methods of problem solving, innovative approaches and all useful and effective habits and life skills are taught.

Technology training whether as a separate discipline or as an integrated with general public education, is enriched with scientific, philosophical and psychological bases. In this paper while describing some of these bases, we try to draw the attention of technology policy makers, curriculum developers and educationalists towards technological training.

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