

Abstract:

This dissertation presents the view of the place and mission of the secondary vocational education with apprenticeship certificate in a wider educational context of the knowledge society.

It includes the implementation of the pragmatic issues of philosophy in educational activities including a new paradigm of the web environment and theories of active teaching together with exposure to certain problems and trends of current pedagogy. It presents the view of the object of education (e.g. a pupil) in terms of creating of professional competences through didactic technology of modelling in apprenticeship of a metalworker and of teaching roles of educators (teachers of vocational and general education courses, teachers of vocational training, educators) in this type of formal education.

The dissertation provides a stint of opinions, viewpoints and answers to many particular questions of the subject and it uses not only professional works of our authors but also of renowned foreign experts in this field.

The dissertation thesis offers some trends and methodological approaches that can support and develop the educational creativity of teachers and students activity as well.

The work offers some trends and methodological approaches that can support and develop the educational creativity of teachers and pupil's activity. This is primarily a generalized didactic experience, considerations and theory, personal views and observations supported by own educating experience. It includes elements of interdisciplinarity and mutuality of pedagogy, didactics, psychology, philosophy and ethics.

In its empirical part it presents specific knowledge of research experiments, which can be used for auto evaluation and for further activities that could in future improve educational process and make outputs of this educational journey better.

The result of the dissertation thesis is both theoretical and empirical reasons of concrete effects of integrated education on the technological basis of modelling, with the support of educational programs on CD-ROM for the internal (processional) and external (organizational) conditions for the establishment of professional competencies of students in the fields of secondary education with a certificate.

Key words:

Philosophy of education, global education, competence, modelling, metalworker, optimization training, post-industrial information society, permeability education, secondary education with apprenticeship certificate, trends and issues of pedagogy, educational technology, research experiment, educator, pupil.