

Ways of improving the modernization of education in Kazakhstan and problems of specialized education

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Abstract: Today, the great importance to the modernization of general education has diversifying abilities, skills, self-education of children, and the youth formation of willingness to adapt to changing of social and economic conditions of life. These problems can be solved on the basis of differentiated content, organizational forms, teaching methods, educational needs, interests, aptitudes, and abilities of students.

Establishment of specialized education is a relevant and important step in the development of Kazakhstan's school system. Comparative analysis of specialized education in foreign countries shows the effectiveness of the implementation of specialized education into educational process. Thus, differentiation of education in schools is common in many countries. We have analyzed the experience of implementation of specialized education in countries such as the US, Japan, Germany, China, Turkey, and Russia.

The analysis showed that the study of educational conditions in the UK, France, Germany, South Korea and Japan can state that the competition of countries in the economic field is reduced the struggle for supremacy in the field of science and technology. Hence, competition in the training of highly qualified technicians is a competent system solution in the field of practical problems. Modernization of education as a factor in the strategic development of the country should become a priority for Kazakhstan. Education cannot be limited by "tightening," it must be proactive. The new socio-economic conditions of the educational institutions exercise their rights in terms of academic and economic autonomy. It also expands the range of educational services and provide to citizens and enterprises of different organizational forms. Thus, specialized education is time requirement.

Establishment of specialized education is a basic part of continuing education that is directed to implement the learner-centered educational process. It contributes to the empowerment of the individual.

Keywords: Mathematics, modernization of education, specialized education, the elective course, technology training, probability theory and statistics, improving

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