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TECHNOLOGY COMPETITIONS AND OLYMPIADS AMONG PUPILS AS A MEANS OF DIAGNOSTICS AND DEVELOPMENT OF THEIR GIFTEDNESS

Abstract. The research is aimed to show the significance of Technology (Handicraft lessons) competitions and olimpiads (academic competitions) among general education institutions pupils of the Republic of Tatarstan. The authors note the efficiency of these activities as the diagnostics means and improvement of natural gifted children and teenagers.

Methods. The applied methods involve criteria approach to the giftedness types assessment; generalization of the advanced pedagogical theory and practice, supervision, teachership surveys and discussions with them.

Results. The experience of Technology competitions and olimpiads (academic competitions) implementation among school pupils of Kazan Federal University, Elabuga Institute is described. The research outcomes show that pupils participation in such activities not only contributes the creative potential realization but also forms sustainable interest to engineering-technical and design activities that subsequently influence a graduates' choice of high-demand majors (specialities) and professions at the contemporary labour market. Additionally, the authors emphasize the objective necessity of specific teachers' training, and formation of necessary professional skills set for successful work with gifted pupils.

Scientific novelty. The research identifies a number of criteria for diagnostics of giftedness types. It is specially noted that the most important point of this phenomenon is propensity to work as the primary factor of ingenuity and talent.

Practical significance. Implementation of the research outcomes can be used for further development of Technology competitions and olimpiads implementation among school pupils in high vocational education institutions that are qualified at students' training on pedagogic majors, as well as in supplementary education establishments for children and teenagers.

Keywords: giftedness (natural gifts), abilities, giftedness development of children and teenagers, giftedness diagnostics, Technology (Handicraft lessons) competitions and olimpiads (academic competitions)

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