

Certain features of teaching the basis of probability theory in secondary vocational education

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When teaching mathematics, interest in knowledge increases, skills of independent work are formed, creative, cognitive activity of students develops [1].

The problem of increasing the level of mathematical training of students of a technical school of commerce, studying in the profession of «Cook, confectioner», can be solved using various techniques, one of which is the project method.

As practice shows, project technology has a positive effect on educational activities and contributes to the formation of the following competencies among students: the use of information technology to perform these tasks; independence in training and organization of the educational process; teamwork; the ability to search for many ways to solve problem situations, to highlight the best option, to justify your decision; experience of performing in public.

Project activity plays a special role in the formation of abstract, critical, analytical thinking in students.

For students of the technical school studying the profession of 01.19.17 «Cook, confectioner», within the framework of studying the discipline "Mathematics", projects have been developed for the section "Probability Theory".

Taking into account the low level of mathematical competence of the students of the technical school in this profession, tasks of a practice-oriented orientation were included in the bank of project tasks. This contributes to additional motivation to study mathematics. The themes of the projects are divided into roles: historians, realists, classics, geometrics, statistics. Each student chooses a role for himself, which involves the implementation of planned tasks. The project participants can find answers to questions by following links on the Internet. Based on the results of the work performed, a final report of the group members is drawn up in the form of a computer presentation.

As a result of the implementation of projects, students learn the concepts of «outcome», «test», «random event», «probability»; consider the classical, geometric, statistical definition of probability; solve a block of practice-oriented tasks on

a given topic; reveal the historical aspect and the applied nature of the theory of probability.

Project activities stimulate the development of non-standard thinking, teamwork skills, the realization of creative potential, the development of abilities in group organization and self-organization.

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