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FORMATION OF STUDENTS' INDEPENDENT WORK SKILLS

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Annotation: Independent work of students is carried out for the purpose of: - systematization and consolidation of the acquired knowledge and practical skills of students; - deepening and expansion of theoretical and practical knowledge; - formation of skills to use special, reference literature.

Keywords: Task, mathematics, material skills, independent work, student, expand, knowledge, creatively apply, methodical, elements.

The formation of students' independent work skills is an important task for all teachers, including for a mathematics teacher. At each lesson, the teacher, along with planning the educational material, needs to think over the question of what skills of independent work the student will receive in the classroom. If the student learns to study new material independently, using a textbook or some specially selected tasks, then the task of conscious knowledge acquisition will be successfully solved. The knowledge that the student has learned himself is much stronger than those that he received after the teacher's explanation. And in the future, the student will be able to independently eliminate gaps in knowledge, expand knowledge, creatively apply them in solving practical problems. The purpose of these guidelines is to familiarize students with the general provisions on the independent work of students in the study of new material and in the process of fixing in the classroom when solving problems, when performing extracurricular work.

General provisions on independent work of students 5 Independent work on the discipline "Elements of higher Mathematics" is a pedagogically controlled process of independent activity of students, ensuring the implementation of goals and objectives for mastering the necessary amount of knowledge, skills, experience of creative work and the development of professional intellectual, volitional, moral qualities of a future specialist. There are two types of independent work: - classroom, performed in the classroom under the guidance of a teacher and on his assignment; - extracurricular, performed by a student on the assignment of a teacher, but without his direct participation. The main types of classroom independent work of students in the study of the discipline "Elements of higher Mathematics": - formulation of questions to students, teachers; - performance of written assignments, testing; - presentation of a message on new material; - taking notes, working with a book; - performing independent work. The main types of extracurricular independent work of students in the study of the discipline "Elements of students in the study of the discipline work of students in the study of the discipline "Elements of a report, abstract and presentation; - study of the summary of classes, educational and special literature;

- preparation theoretically for the implementation of practical tasks in the section within the framework of practical classes; - independent study of an additional topic;
- > Performing creative tasks Performing individual independent work using the Internet.

Independent work of students is carried out with the aim of: - systematization and consolidation of the acquired knowledge and practical skills of students; - deepening and expanding theoretical and

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practical knowledge; - formation of skills to use special, reference literature, the Internet; - development of cognitive abilities and activity of students, creative initiative, independence, responsibility and organization; - formation of independence thinking, abilities for self-development, self-improvement and self-realization; - development of research knowledge.

The time limit for conducting independent work of students in the classroom is assigned by the teacher directly in the lesson, for each type of work is defined. 6 Time for extracurricular independent work of students is taken in the calculation of 50% of the total academic time allocated for the study of the discipline. Classroom independent work of students prevails over extracurricular independent work. The main form of control of the student's independent work is practical, protection of presentations and abstracts in the classroom. Independent work is an important means of checking the level of knowledge, skills and abilities. Exams are a mass form of control. The criteria for evaluating the results of extracurricular independent work of a student are: - the level of mastering of educational material by a student; - the student's ability to use theoretical knowledge in solving problems; - the validity and clarity of the presentation of the answer; - the design of the material in accordance with the requirements of the Federal State Educational Standard. Extracurricular independent work of students is planned educational, research, project work carried out outside the schedule of training sessions on the assignment and with the methodical guidance of the teacher, but without his direct participation and is mandatory for every student. The purpose of students' independent work is: - to ensure the professional training of graduates in accordance with the Federal State Educational Standard SPO; - the formation and development of general competencies defined in the Federal State Educational Standard SPO; formation and development of professional competencies corresponding to the main types of professional activity. The tasks implemented during the extracurricular independent work of students in the educational environment of the college are: - systematization, consolidation, deepening and expansion of the theoretical knowledge and practical skills of students; - development of cognitive abilities and activity of students: creative initiative, independence, responsibility and organization; - formation of independent thinking: ability to self-development, self-improvement and self-realization; - mastering practical skills in the application of information and communication technologies in professional activities; - development of research skills.

The amount of time allocated for extracurricular independent work is reflected in: - in the work curriculum – as a whole for the cycles of the main professional educational program, separately for each of the training cycles, for each discipline, interdisciplinary course and professional module; - in the work programs of academic disciplines and professional modules with an approximate distribution by sections and topics. 7 The control of the results of independent work of students can be carried out within the time allotted for compulsory training sessions and independent work in the discipline of mathematics and can take place in written, oral or mixed form with the provision of a product or product of creative activity. The criteria for evaluating the results of extracurricular independent work of a student are: - the level of mastering the educational material; - the ability to use theoretical knowledge and skills in performing practical tasks; - the level of formation of general and professional competencies

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