

## **Innovative Educational Technologies in the Formation of Competencies in the Training of Teachers in the Field of Life Safety**

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**Annotation:** In the field of "Life Safety", the purpose of which is to teach educators the reasons, features, consequences and rules for their elimination, safety precautions, theoretical and practical protection and first aid for victims. Problems that arise when teaching innovative educational technologies, technologies for the formation of teacher training competencies are analyzed.

**Keywords:** life, risk, safety, emergency, continuity, educational process, innovative education.

### **INTRODUCTION**

In order to radically rethink the content of personnel training in accordance with the priorities of the country's socio-economic development, create the necessary conditions for training specialists with higher education at the level of international standards, the President of the Republic of Uzbekistan adopted Decree No. 2909.

This resolution approved the Comprehensive Program for the Development of the Higher Education System for 2017-2021 to improve and radically increase the level of higher education, strengthen and modernize the material and technical base of higher educational institutions, and equip them with modern teaching and research laboratories. , information and communication technologies. [1].

In particular, in the field of "Life Safety", the teacher sells the necessary equipment, models and layouts, exhibitions and safety equipment, handouts, cards, questionnaires, instructions, interesting questions and tasks, devices that create various problem situations, games. magnification will allow students to better understand the topic.

This indicates that, improving the content of pedagogical education, the teacher prepares visual aids, information, materials for each lesson, gives students new knowledge, explains, demonstrates, demonstrates, focuses on their various areas, develops independent work skills, including vast areas. Using the latest news on life safety was one of the main tasks of the teacher.

### ***Analysis of literature on the topic***

A number of scientific works in the field of innovative educational technologies were carried out by foreign scientists on the formation of competencies for the training of teachers in the field of life safety. For example, the Russian scientist S.V. Vyazovkin presented the organizational and pedagogical conditions for the professional training of future life safety teachers<sup>1</sup>.

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<sup>1</sup> Vyazovkin S.V. "Organizational and pedagogical conditions of professional training of future teachers of life safety". Avtoref.diss.dok.ped.nauk. M.: 2013. 48p.

A.A. Kudrin developed scientific and practical recommendations for the formation of a professional and pedagogical culture among future specialists in the field of life safety in pedagogical universities<sup>2</sup>.

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### ***Research Methodology***

This article discusses the scientific work of scientists from Uzbekistan and foreign countries on the theoretical aspects of innovative educational technologies in the formation of competencies in the training of teachers in the direction of "Life Safety". Comparative analysis of literature and methods of substantiating hypotheses were used as research methodology.

### ***Analysis and results***

Today, theoretical and practical training, firstly, contributes to the formation of students' competencies in labor protection, and secondly, it supplements the content of special disciplines in this area with new information, forms the skills and abilities of independent work with resources. Thirdly, it provides students with memory, creativity, physical fitness. They further develop the pedagogical basis for teaching special subjects. [2].

As a result of the development of science and technology, the practical and methodological training of teachers in teaching special subjects is an important factor in providing students with in-depth information, increasing the effectiveness of teaching, improving the educational process, and mastering new information. In particular, training is carried out when teaching students the formation and development of professional competencies in the pedagogy of life safety, demonstration of materials on labor protection, performance of tasks, etc. This is due to the fact that, based on the study of special subjects in educational institutions, the teacher introduces the names, types, equipment used, safety in the field of safety, provides information about the materials of the profession, develops interest in in-depth study of their specialty, the ability to perform various tasks and finding answers helps to be.

Questions on the topic of life safety and labor protection prepare students for thinking, independent work, understanding information about their profession. In this regard, in the process of teaching special subjects in educational institutions, when developing problems and research, creative thinking and ideas develop based on the methods of "group work", "presentation" and "brainstorming", independent work, etc. thinking skills.

When teaching special subjects, the teacher creates learning situations, providing students with safety in the process of work and giving tasks for the types of professions in which he is engaged. They develop such features as memorizing the content of knowledge about specific subjects, their independent acceptance, storage in memory, and imagination. Under the guidance of a teacher, students will learn about the implementation of labor protection work at industrial enterprises, receive information about them, as well as information about slides and presentations on labor protection. As a result, students gain an understanding of safety in their daily activities, businesses and organizations, as well as the acquisition of knowledge.

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<sup>2</sup> Kudrin A.A. "Formation of professional and pedagogical culture for future life safety specialists at the Pedagogical University". Avtoref.diss.kand.ped nauk. St. Petersburg. 2017. 32s.

<sup>3</sup> Xrennikov A.O. Design of technology for professional training of specialists in the field of traffic management and safety at the Technical University: Avtoref.diss.kand.ped nauk. Tambov. 2016. 28s.

At the same time, the teacher conducts lectures and talks with students, teaching them special subjects on life safety, explaining new material, as well as conducting workshops and discussions on problem solving. Students will be required to equip a special science room that will allow them to acquire competencies in the field of life safety. Also, giving students tasks such as the necessary protective equipment for life safety and labor protection, as well as explaining the materials used in them, will develop their competencies in life safety training.

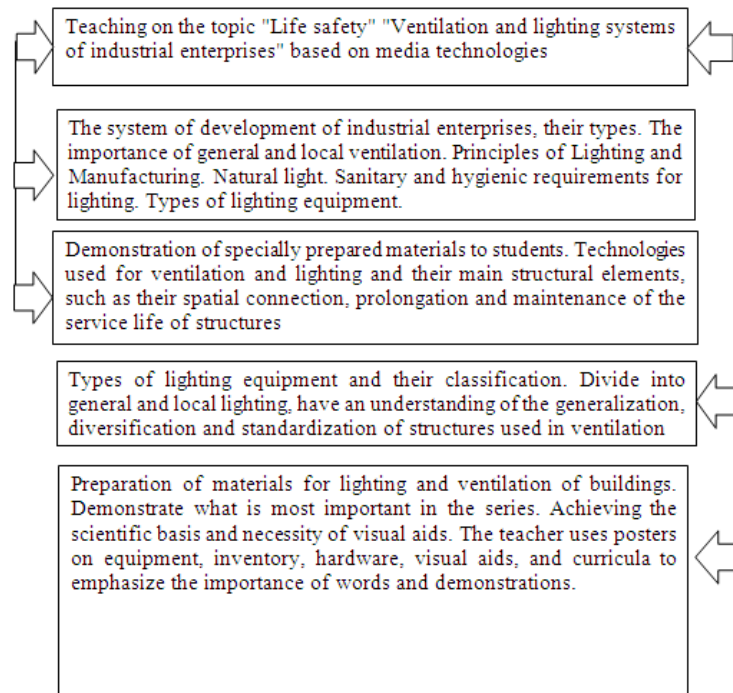
Divides students into small groups when performing independent work tasks to study life safety. Each subgroup is given a topic of practical training in a particular subject. Small groups study in depth the content of practical classes, draw up a technological map of the topic based on the curriculum, complete assignments, study literature, independently collect information from Internet news and other sources. Small groups that achieve the best result and perform will receive the maximum score. In this case, the teacher organizes a theoretical study of students' knowledge of their chosen professions, direct observation of their activities, in-depth knowledge of the educational process in the field of specialization.

This means that the use of educational, methodological, technical information and communication technologies in preparing students for independent mastery of the achievements of science and technology in their specialty depends on the provision of the necessary knowledge about life safety, the exact choice of form and teaching methods.

At the same time, the teacher focuses on ensuring continuity between the curriculum and science, the work program. For example, teachers in the direction of "Life Safety", firstly, help students learn information on the topic, and secondly, develop their skills of independent research. The peculiarity of this pedagogical and psychological feature lies in the fact that it develops the conditions in which students use the mechanisms that form their thinking on safe work.

In the process of teaching special subjects, the teacher gives students ready-made knowledge, independently overcomes difficulties and develops initiative, independence and activity in them. It should be noted that if the teacher clearly explains to the students the purpose and objectives of education based on the teaching of special subjects, they will be able to solve the problem quickly and easily. At the same time, the teacher provides complete and reliable information on the subject, which improves the quality of education, and also helps students to independently master the content of information on "Life Safety" and "Labor Protection" in postgraduate pedagogical activities.

The peculiarities of teaching special subjects in the preparation of life safety teachers in general education institutions are that textbooks, manuals, visual didactic tools, tables, layouts, models, teaching aids are important for students to master the technology of teaching general education subjects, the formation of practical skills and competencies.



**Figure 1. Application of media technology in the subject "Safety of life"**

In the process of teaching special subjects on life safety, the role of the teacher is to ensure that the lesson process is meaningful, systematic. It is advisable for the teacher to implement the experience of foreign countries on the basis of media technology in the lessons on special subjects taught in the field of "Safety of life".

Strengthens the knowledge of students, conducts activities, independent work on the basis of the exchange of experience, carries out practical actions on the professional competencies of teachers in the field of life safety. Therefore, it is the duty of every teacher to constantly improve the teaching of special subjects, to make full use of teaching aids and methodologies. It also requires the integrity of the learning objectives, principles, content, forms and methodology to ensure that the content of the lessons is interesting [3].

At the same time, in the process of training teachers in the field of life safety in higher education institutions, the formation of the necessary concepts and tools for this profession plays an important role in the implementation of the essence and content of teaching special subjects. Development and updating of curricula and science programs for qualified students in the training of teachers in the field of life safety.

Information on the formation of a favorable technological environment for human labor and activity in the field of production and services, their types and important aspects "Fundamentals of forming a culture of life safety", "Evaluation of business efficiency", "Industrial safety", "Rescue", "Buildings and structures" safety ", " Machinery safety "and many other life safety activities.

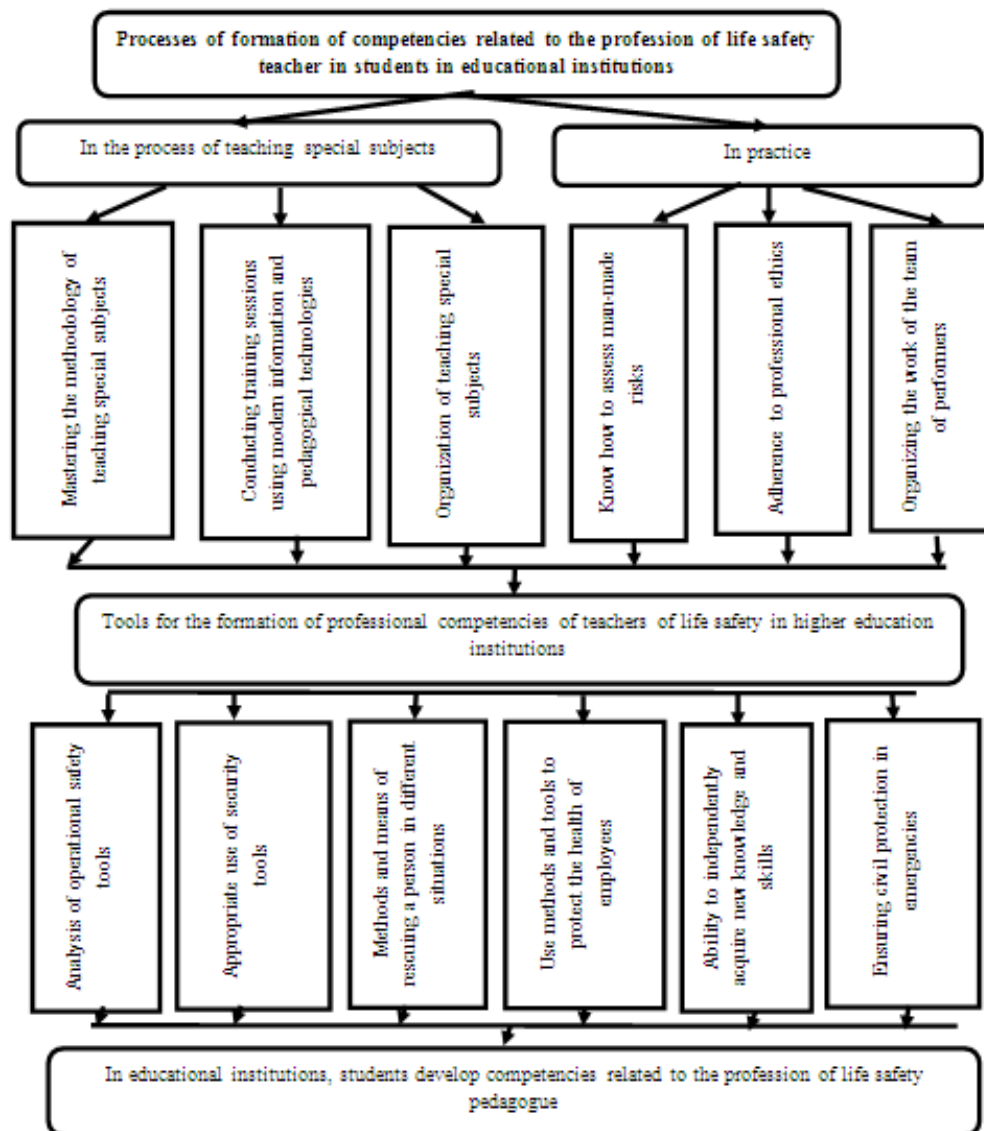
The use of schemes, diagrams, models, information technology in the teaching of special subjects such as "Industrial Safety", "Rescue", "Safety of Buildings and Structures" in higher education institutions. to expand, to replenish its content. In such an environment, students have to master more learning material independently, creatively.

To do this, students should be provided with information about the tools shown in the schematic diagram above. Because the special disciplines, firstly, enable students to master the information

related to the professional competencies of the pedagogue for the safety of life activities, and secondly, help them to study.

Theoretical analysis of scientific sources showed that the formation of competencies of students in the profession of life safety teacher depends directly on the innovative activities of the teacher of a particular subject and the state of implementation of innovative technologies. In this regard, it is important to develop the effectiveness of innovative technologies in educational institutions and the functions of their implementation, organizational and pedagogical aspects. This is because innovative technologies require a number of tasks, such as modernization of teaching materials, increasing students' cognitive activity, using interactive teaching methods and developing tools and methods to control their knowledge, developing independent work skills and forming creative thinking [4].

One of the most important tasks of special disciplines today is to train future educators in the field of life safety by giving them more information about safety in the industry and acquainting them with the technology of preparation for the process of their specialization.



**Figure 2. Processes of formation of competencies related to the profession of life safety pedagogue**

Accordingly, the preparation of students for the profession of life activity safety teacher of special subjects means a set of education that forms a certain order, a certain direction and a whole. A holistic approach to their application ensures that the safety of life activities is brought to the attention of students more quickly than the competencies of the teaching profession. From this point of view, it is important to acquaint future teachers of special disciplines with different specialties and to equip them with ways, methods and techniques of organization and application. This is because special disciplines, in addition to teaching students the profession of life safety teacher, are interrelated with other disciplines and form a whole[5].

In the process of teaching special subjects in the field of life safety in higher education institutions, the main goal is to increase the level of knowledge of students, to establish independent and creative education, to provide information to future teachers, to teach them to apply in practice:

- to provide students with information on life safety and labor protection, types of safety in the process of teaching special subjects and to develop skills to apply them in practice;
- the ability of students to choose special subjects for the object of security, to develop the skills of their rational use;
- to give students an understanding of the safety of life in the special and professional disciplines, to form a sense of their practical application;
- to enable students to effectively organize their work, save time and, on this basis, to fully apply the special disciplines that help them to master the curriculum;
- to develop students' interest in the process of ensuring the safety of life and labor protection of employees and to explain to them the importance of special disciplines in the in-depth study of production facilities and their structural structure;
- to develop students' skills of computer work and independent access to information using the Internet, etc. Of course, the teacher's knowledge, such as pedagogy, special methods, pedagogical technologies, pedagogical skills, develops and improves the teaching of special subjects. Such a connection facilitates the work of the teacher and helps students develop the competencies related to the profession of life safety teacher.

### ***Summary and suggestions***

The use of teaching aids, technical aids and information and communication technologies in the teaching of special subjects, taking into account the professional training, skills, knowledge of modern teaching technologies and the procedures and methods of teaching on this basis, the selection and application of teaching methods. develops knowledge, skills and abilities about.

It should be noted that the special sciences are not a rigid didactic phenomenon, but the result of creative work, which practically regulates a number of factors that ensure the effectiveness of education and upbringing. Accordingly, the teaching of special subjects should be considered in the light of the requirements of the time, encouraging the clear application of factors that motivate, accelerate and increase the effectiveness of education. In this regard, it is advisable to teach special subjects in the training of teachers in the field of life safety and pay special attention to them in the assessment of students' knowledge.

## References

1. Resolution of the President of the Republic of Uzbekistan PQ-2909 dated 20.04.2017.
2. Ivanov D.A. Kompetentsii i kompetentnostnyy podkhod v sovremennom obrazovanii // Zavuch. 2008. № 1. S. 4-24.
3. Olimov Q.T., Abduquddusov O.A. Methodology of vocational education: A textbook for students of bachelor's degree programs "Professional education" in higher education institutions.-T.: Economics and Finance, 2006.-160 p.
4. Olimov Q.T., Ashurova S.Yu. Modern educational technologies.-T., 2007.-87 p.
5. Turmatov JR "Improving the didactic support of the methodology of formation of research competencies in teachers of vocational education: Dis. ... ped.fan.dokt. - T.: 2018. - 203 p
6. Ochilov A.O. "Theoretical bases of effective education: staff training in the field of life safety". Materials of the international scientific forum «Education. Science. Culture »(November 25, 2020) RF.-264 p.