

USING NEW INNOVATIVE TECHNOLOGIES TO IMPROVE STUDENTS' INTEREST IN PHYSICS LESSONS

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Annotation. This guide discusses the importance of using a variety of methods and techniques to increase students' interest in physics in physics classes. It would be more appropriate to use this method in junior and senior grades.

Key words: innovative technologies, innovations. activity, didactic games, heuristic problem-based learning.

We know that because physics is complex, it can be difficult for students to master it. Physics is the science of nature. In each lesson, we must first be able to involve students in the lesson. To do this, we must discover new ways of learning. In today's rapidly changing world, while preparing our young people for life, they can find the optimal solution to the unexpected problems faced by individuals and communities, independently search for the necessary information and distinguish it from them based on analysis, communicate with everyone, will need to be educated in them qualities that they can apply in their life needs. If this is not done at school, then these qualities cannot be formed later. In recent years, much attention has been paid to the widespread use of modern technologies to improve the efficiency of the educational process. In this regard, a number of interactive methods of teaching physics in schools are applied directly in the classroom and give effective results. However, there are some problems that we, educators, must solve.

Innovative technologies are innovations and changes in the pedagogical process, as well as in the activities of teachers and students, the implementation of which mainly uses interactive methods. Interactive methods are called collective thinking, that is, methods of pedagogical influence, which are an integral part of the content of education. The uniqueness of these methods is that they are implemented only through the interaction of teachers and students. According to teachers, researchers,

practitioners studying the problems of pedagogical technologies, pedagogical technologies refer not only to information technologies, but also to TSO, computer, distance learning, which must be used in the educational process. various techniques. We start a new topic with experience. We take some black metal, put it on a tripod and glue it with wax, put a flame on one end of the stick. In this case, the closer to the flame, the earlier it falls. In this experiment, we see that heat is transferred to the hot side of the body. This method of heat transfer is called conduction. Most metals are the best conductors of heat. Copper is one of the best conductors of heat. In this respect, it is second only to silver. That is why wood and plastic are used. in the manufacture of handles for heated pots. Namat porous brick also conducts heat poorly ... Snow also conducts heat very poorly.

As soon as a new topic is revealed, we will work with students to find a solution to this problem. This means that a red apple with a ripe horn is composed of a copper conductor. The king of white apples was made of aluminum and the king of black apples was made of iron.

In short, a copper conductor is the best conductor of heat.

Aluminum is the next largest conductor of heat and iron is the second largest conductor of heat. The minister replied to the king: "Since the apples in the garden ripen in three different colors and at different times, the thermal conductivity of the conductors is different."

Conclusion: In a word, the use of pedagogical technologies in physics lessons, the use of more visual and problematic tests in each lesson increases students' interest in physics, students carefully observe experiments in each lesson, laboratory work and read it. teach. The use of interactive methods in physics in the educational process is of great educational importance, as it allows students to develop new progressive ideas and worldviews, to draw their attention to the achievements of science and technology. Students can be taught diligence, courage, will and character.

After all, "Science is a friend in the desert, a support at the crossroads of life, a comrade in moments of loneliness, a leader in moments of happiness, a helper in moments of sadness, an adornment among people, a weapon in the fight against enemies. "

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