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A GREAT WAY TO GET RID OF TIMSS YURI FANATICS AND FEEL GOOD

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Abstract

This article discusses the importance of TIMSS tasks in increasing the intellectual potential of primary school students.

Key words

TIMSS, technology, education, creative thinking, reform, process, experience, natural sciences, modern education, ability

Introduction: As a result of the modernization of the educational process, it is possible to achieve higher rates of student achievement. It is important to prepare students for world standards in terms of obtaining knowledge and to involve qualified personnel in this process. When implementing this process, it is important to carry out systemic reforms, organize the educational process in preschool educational institutions and general secondary education institutions, and promote advanced foreign technologies. The primary education system is the main and most important stage in the general secondary education system. Because during this period, students acquire basic and necessary knowledge. The education and upbringing a child receives plays an invaluable role in his or her future. It is essential for the development of every country that the young generation is intelligent and capable in all respects. A society can prosper by creating adequate conditions for young people to receive education and to reveal their talents and abilities. It follows that the progress of our country in all areas is a process that depends on the initiative shown by our young people with a high level of intellectual potential. Therefore, in order for our society to progress and prosper, it is necessary to properly educate and train the younger generation, both spiritually and physically. As a result of the reform of the education sector, many high results have been achieved.

LITERATURE ANALYSIS AND METHODS

The study used a set of TIMSS tasks, primary school textbooks and several teaching aids on this topic.

DISCUSSION

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We know that the subjects taught in the primary education system serve as the basis for students to obtain initial knowledge and subsequently acquire new knowledge. Textbooks based on the national curriculum encourage students to develop creative thinking skills. When organizing the process of primary education, it is possible to increase the intellectual potential of students by introducing modern educational technologies into the learning environment. Teaching primary school students to complete various tasks developed within the framework of international assessment programs is one of the most pressing issues today. One of the international assessment programs is TIMSS (Trends in International Mathematics and Science Study) - a program for assessing the level of mastery of mathematics and natural sciences by students in grades 4-8, organized by the international association IEA. The international assessment program TIMSS first began its activities in 1995 and is held once every 4 years. The main goal of this international assessment program is to conduct a comparative analysis of the knowledge, achievements and shortcomings of students in grades 4-8 in mathematics and natural sciences, as well as to eliminate various identified shortcomings. This involves comparing the education systems of foreign countries, the appropriate use of scientific achievements, etc.

If we look at the level and difficulty of the questions in the TIMSS tasks, we will find that the questions are mostly related to everyday life and are based on experience and observation. That is, it is studied to what extent the student can apply the theoretical knowledge acquired at school in his/her daily activities. TIMSS tasks enhance the intellectual potential of students and develop their creative thinking skills. First, let us look at the dictionary meaning of the word "intellectual". Intelligence (Latin intellectus - mind, perception, reason) means. In a general sense, intelligence is the level of intelligence, perception and maturity of a person. It follows that on the basis of TIMSS tasks, students' thinking is deepened and their intellectual potential is developed. Students' learning outcomes are analyzed based on TIMSS tasks. The level of questions presented in TIMSS tasks in mathematics varies depending on the principle of simplicity and complexity. As an example, consider the following task.

In what number does the number 8 represent 800?

A) 1468 B) 2587 C) 3809 D) 8634

When analyzing this task, the student is required to know units of measurement, as well as the ability to read and write numbers. The number 8 is present in all the answer options to the above questions. But not all numbers contain the number 8, which represents 800. To answer this question, the student must have theoretical and practical knowledge of natural numbers.

The mathematics tasks in the TIMSS international assessment program are built according to a certain structure. Mathematical literacy is a person's ability to reason rationally and find optimal solutions in various problem situations. Not only mathematics, but also natural sciences are of great importance in increasing the intellectual potential of primary school students. The TIMSS study provides for four levels of mathematics: low, medium, high and highest. The results of Russian schoolchildren in the TIMSS international assessment program were very high. In different years, TIMSS tasks had a different structure. In TIMSS-2011, the percentage of assignments on application of knowledge in mathematics for students in grades 4-8 was 40%, on knowledge 40%-35%, on logical thinking 20%-25%. International TIMSS studies are considered a unique tool and modern technology for assessing the level of literacy in mathematics and natural sciences. The assignments developed within the framework of the study directly help students to increase their IQ and develop their ability to put forward hypotheses. Using these assignments, students can test their ability to apply the acquired knowledge in practice. The expected results of the study are an analysis of the achievements and shortcomings of the education system, as well as the effective elimination of identified and emerging problems and shortcomings, etc.

CONCLUSION

The International Mathematical and Science Study Network (IEA) International Mathematical and Science Study Network (TIMSS) is a comparative analysis of changes in education systems in countries around the world. It studies educational processes and many other achievements of developed countries. Based on TIMSS assignments, students will expand their worldview and thinking. The assignments in our textbooks, based on the national curriculum, also encourage students to make logical observations. It further strengthens theoretical knowledge by applying it in practice. The main task of today is to educate young people, the future of society, capable, knowledgeable and thinking.

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