

IMPROVING THE LIFE KNOWLEDGE OF STUDENTS IN UZBEKISTAN ACCORDING TO THE INTERNATIONAL ASSESSMENT OF NATURAL LITERACY SCIENCES PISA

Rakhmonov Sherzod

Tashkent State Technical University

Abstract:

This thesis is about "Assessment of educational achievements of students in natural science based on TIMSS tasks" and provides insights into the essence of natural science and PISA research.

Keywords: increasing students' interest in natural sciences according to PISA; implementation of the international assessment program; increase students' motivation for learning.

The problems facing humanity in the 21st century are scientific thinking and it undoubtedly requires innovative solutions based on scientific discoveries.

Society needs scholars and scientists who develop innovations necessary for solving economic, social and environmental problems and conduct scientific research. It can be said that literacy in natural sciences is the basis

Competency is the main goal of teaching natural sciences. Knowledge and skills based on natural sciences are of great importance in the personal, social and professional activities of every person, science and technologies based on it and understanding occupies a central place in "preparing young people for life". A general analysis of students' knowledge and skills determines the level of education quality in the country. For this purpose, internal and external monitoring is conducted in each educational institution during the academic year. According to its results, the sequence of the most exemplary schools, the potential of teachers and the level of mastery of students will be determined. Since this process is an important criterion for determining the progress of education, the first steps were taken to implement international programs for assessing the knowledge of general secondary school students at the initiative of the Ministry of Public Education.

In other words, it is planned to use assessment programs such as PISA (Program for International Student Assessment), TIMSS (Trends in Mathematics and Science Study) in order to bring students' knowledge to international requirements and to study their compliance.



The role of the TIMSS international assessment program in improving literacy is incomparable. Educational achievements are evaluated, and at the same time, not only their knowledge and skills, but also allows to compare their attitude to these subjects, their interest, and their motivation for education.

The main plan of the study: for 4 years, the results of the 4th grader's knowledge of mathematics and natural sciences will be monitored until he reaches the 8th grade. In this regard, the monitoring of the educational achievements of elementary and high school students is carried out. Knowledge and skills based on natural sciences are of great importance in the personal, social and professional activities of each person, and understanding science and technologies based on it occupies a central place in "preparing young people for life". It is understood that he knows the ideas related to natural sciences and can solve problems related to natural sciences as an active citizen. It has been mentioned above that students' literacy in natural sciences is developed during class and extracurricular study hours, group classes, and repetition classes.

The use of PISA international assessment program tasks is considered an important factor. Cabinet of Ministers

Based on the decision No. 997 of December 10, 2018, this year more than 100 schools were selected from more than 10,000 schools of our Republic and students' knowledge of concrete, natural and reading literacy and creative thinking was tested. The fact that Uzbekistan is a member and participating in it will greatly benefit our students to improve their independent thinking in preparing them for life tomorrow.

BOOKS:

1. Decree of the Cabinet of Ministers of the Republic of Uzbekistan dated December 8, 2018
—International studies in the field of evaluation of the quality of education in the public education system
Decision No. 997 on organizational measures
2. The new version of the Law on Education September 23, 2020
3. The fields of education and science in the period of New Development in Uzbekistan on development measures PF-6108 November 6, 2020.

