NEW APPROACHES AND IMPROVED TESTS IN MATHEMATICS USING COMPUTER TECHNOLOGY

G.Rakhimov, N.Ibragimova, U.Rihsieva, M.Rakhimova
Zangiota handicraft proffesional college, Medical college named Tursunhodzhaeva, School 296
Tashkent, Usbekistan
e-mail: `gairat48@gmail.com`, `umidar@doda.uz`

Uzbekistan was the first among CIS countries in 1992, adopting the Turkish experience. It has introduced a method of testing for the admission to universities. The transition to a test method admission in the country and results of 18 years have revealed some difficulties.

The word test of the English origin, and in the original language means test, check. Test training - a set of tasks focused on determining (measuring) the level (extent) of certain aspects of (parts of) the content of education.

Tests should meet several requirements. They must be:

- relatively short - do not require much time;

- unambiguous - to avoid arbitrary interpretation of tests;

- correct - the ability to formulate many questions;

- relatively brief, requiring short answers;

- information - those that provide the opportunity to match the quantitative evaluation for the performance test with the order or even an interval scale of measurement;

- convenient - suitable for fast processing of mathematical results;

- standard - suitable for widespread practical use - measuring the level of training possible larger contingent of trainees, learning the same knowledge at the same level of training.

Always the originator of the test is required to carefully examine all parts of the curriculum, educational books, tand know the purpose and specific objectives of training. Only then will he be able to create tests that will be valid for a certain category of learners.

In the preparation of materials for test verification is necessary to adhere to these basic rules:

1. You can not include the wrong answers, which can not be proved wrong at the time of testing by the students.

2. Incorrect answers should be constructed on the basis of the typical mistakes and be believable.

3. The correct answers to all of the responses should be placed in random order.

4. Questions should not repeat the language of the textbook.

5. Answers to some questions should not be suggestions for answering the other.

6. Questions should not contain trap.

The tests allow an objective assessment of knowledge and skills of students in scores on a single criteria to all students. This helps determine which students do not master program material who took them to a minimum, who is fully and firmly holds the knowledge and skills in accordance with the requirements of the program, students who not only mastered the necessary knowledge, but can apply them in new situations owns skills at a higher level than required by the program.

A positive test result already indicates a high level of ownership of mathematics and a good general training. Note that each institution of Uzbekistan presents its demands to the student, depending on the popularity and prestige, and from a specific educational program. The test is usually conducted on a computer, their answers examinee notes on a special field where the final result is automatically calculated.

In our view, insufficient attention is given to the most important, priority issues - training of teachers of any subject profile the use of modern computer technology in daily work with students, to develop methods of application of information, telecommunication, computer and multimedia products in the educational process.

This issue is extremely relevant. If this is not to be taken, effective, efficient measures for the training of existing or future teachers actual introduction of computer technology and educational products in various forms of educational process (in the classroom, in extra-curricular activities, extra work with students and others etc.), there is a high likelihood that the school education will continue to be carried out in chalk on the blackboard, next to which only a mountain of colored plastic boxes with educational CDs.

Teaching staff are always conservative in relation to innovation (which is rather a plus), this can not be considered.

In this work, we decided to gather information which will help teachers use computer technology in a test train.

However, at the present stage of the high school teachers were not yet available methods and the use of computer technologies in educational process.

The first people who came into the education network were not teachers, and "technicians" - specialists in information technologies that are typically very vague understanding of pedagogy, didactics and related educational technologies.

To ensure the quality of the educational process, teachers should be experts in their field, meet the general requirements for teachers of science, to undergo a course of basic training, to develop his own original technique and its use in the learning process.

In conjunction with personal computers and new information technology help the tests to proceed to the creation of modern systems of learning and adaptive control.

Use and other methods. With the projector displays the teacher tests to screen and the whole group of students at the same time provides written answers, then the teacher will check the results. On the decision of each test all play equal time (usually 1.5 - 2 minutes).

Recently, some high schools, colleges, high school Uzbek such control is exercised through the automated testing of students with computer systems. In doing so, students may choose the tests, either directly on the computer or on paper, followed by automatic processing.

The emergence and development of such projects in our country will undoubtedly contribute to the release of Uzbek educational system at the world level. At the end of the test system to inform each student of the number of points. After testing, monitoring program on the server is closed and the program starts magazine with which you can view the results of testing of each student, how many points he scored, how to answer any questions. All information on this session, testing can be printed and transferred to the teacher to analyze and the grading.

Now things are no better: It is, first, for the question of equipping schools with modern personal computers (PC), secondly, the acquisition of PC monitors with the possibility of giving the answer the test questions with the help of the finger touching, in the third, the use of high-quality and modern test programs that would offer the opportunity to instantly show the wrong answers, and encouraged to recruit a minimum passing rating points.

References

[1] Podlasy I.P. (2009). *Testing in the learning process: its history and capabilities.* Chelyabinsk State Pedagogical University. htpp://www.denga.com.ua/index.php?option=com_content...id...

[2] Zaitseva L.A. (2008). The use of information technologies in educational process and its methodological problems. *VZFEI,Tule.* http://www.humanities.edu.ru/db/msg/83844

[3] Burganieva A.R. (2007). Computer diagnostic tests in order to improve the learning process. *Educational portal of the Ministry of Education and Science of the Republic of Tatarstan.* http://edu.ksu.ru/russian/conference/2pedsovet/pch/issue/