



Development of Learning Clusters of Primary Class Students on the Basis of International Assessment Programs

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Abstract: *In this article, some ideas about educational clusters of primary school students are considered. Including the combination of educational clusters with international assessment programs, discussion of the joint implementation system of assessment programs and clusters, etc.*

Keywords: *cluster, primary education, assessment programs, PIRLS, method, teaching, school.*

INTRODUCTION

At the current stage of development of the general secondary education system of Uzbekistan, the use of different teaching methods is relevant [1]. In this sense, it is important to use methods that lead to quality and efficiency in the implementation of primary education, which is the basis of general secondary education, and to develop the methodology of such methods. Because each method should serve the development of education with its modernity, convenience and ease. In this regard, it is necessary to use the cluster method and develop its mechanisms in primary education.

MATERIALS AND METHODS

In the global education process, scientific research is being conducted on the use of software tools in the diagnosis of knowledge acquisition of elementary school students using pedagogical diagnostic methods, diagnosis and monitoring of their literacy in subjects based on the PISA international assessment program. This shows that there is a need to improve the mechanisms of using pedagogical diagnostics in the training of personnel capable of quick adaptation to new techniques and technologies, and to solve the issues of using information-communication and software tools.

The effectiveness of the system of using software tools in the diagnosis of knowledge acquisition of primary school students sets the task of increasing the efficiency of the activities of general secondary educational institutions based on innovative requirements. In the implementation of this task, it is necessary to use the possibilities of pedagogical diagnostics in the modern organization of the educational process in public educational institutions. Developing an independent thinker, creative searcher, strong-willed, hard-working, ideologically-minded, high-spirited person with a clear conscience through the process of education and training is one of the urgent problems. Pedagogical diagnosis is of great importance in this place and is characterized by the improvement of the mechanisms of using pedagogical diagnosis in the innovative organization of the educational process in accordance with the society's goal of cultivating a well-rounded person [3].

The "product" of the educational system is a well-rounded person and staff, that is, subjects of education. Therefore, innovative activity in education is a set of scientific, technological, organizational, financial, commercial activities aimed at training new personnel, the purpose of which is to produce new personnel of this accumulated knowledge, skills, technology and



production process in a large scale and effectively for the economy of the country. consists of directing and providing. So, in the diagnosis of knowledge acquisition of primary school students, software tools - Moodle, PHP, Wordpress, Bandicam, Turbo Site, AutoPley, Movavi Video, Audisity, Editor Plus, Media Studio 8, Macromedia Flash - a new product, that is, an independent thinker is to ensure the high efficiency of any pedagogical process aimed at cultivation. It is known that today it is impossible to educate a well-rounded person without intellectual and creative thinking, spiritual maturity, ideological awareness, physical health, mastering foreign languages, civic sensitivity [4].

RESULTS AND DISCUSSION

The use of the cluster method of primary education is based on the combination of scientific, innovative and methodical experiences. In this case, theory, practice and promising directions together have a positive impact on the quality and efficiency of teaching. In this regard, here we draw your attention to the mechanisms of using the cluster method in primary education.

The first mechanism is the preparation of a new version of textbooks. In this case, it is appropriate to prepare the subjects taught in primary education in the electronic-modular way according to the following blocks [2]:

- humanitarian sciences;
- natural sciences;
- exact sciences.

The new generation textbooks prepared in these categories will have category-general characteristics in terms of subject, text and tools. For example, the materials of the subject "Reading and mother tongue" and the subject "Education" should be created in a complementary and integrated manner. In this way, textbooks of subjects in each block are created based on the principle of mutual harmony.

The second mechanism is the preparation of textbooks. In this case, it is appropriate to rely on the following mechanisms [5]:

- use of opportunities of scientific experts in the fields;
- using the opportunities of well-known and experienced pedagogues;
- use of opportunities of teachers in practical activities.

In this mechanism, each participant has a task, which consists of the following:

Duties of scientific staff:

- scientific justification of textbook topics and presentation of scientific facts for them;
- implementation of scientific apparatus and approval of textbooks;
- developing the scientific methodology of textbooks. Duties of experienced pedagogues:
- development of methodological bases of textbooks;
- copy and paste text of textbooks;
- controlling the methodological aspects of the textbooks. Duties of teachers in practical activities:
- testing textbooks;
- giving conclusions on the quality of textbooks;



- giving practical suggestions for improving textbooks.

If you pay attention, the unique mechanism of preparing new generation textbooks of primary education in the cluster method will be created based on the mutual cooperation and experience of many people. That is why such textbooks are theoretically, methodically and technologically perfect.

The third mechanism is the development of primary education. In this case, relying on the following mechanisms will give the expected effect [6]:

- developing new scientific-methodological foundations of primary education development with scientific organizations;
- studying the problems of primary education with professors of higher education institutions training pedagogic personnel, creating theoretical-methodical developments for their solutions and putting them into practice;
- monitoring the achievements and shortcomings of primary education with primary school teachers and setting promising directions in this regard.

With the help of this mechanism, it is possible to develop primary education in a long-term, prospective and step-by-step manner.

It should be noted that there are important mechanisms of using the cluster method in primary education, and today it is urgent to develop the basics of using these mechanisms. Therefore, in this regard, we believe that introducing the following will have the expected effect:

- defining the topics of scientific research on the problems of using the cluster method in primary education and starting research on them;
- monitoring scientific developments, educational literature and technological processes related to the use of the cluster method in primary education.

CONCLUSION

The cluster method is important because it relies on the principle of cooperation in the improvement of the quality of primary education, the use of evaluation programs, the improvement of textbooks of academic subjects and the achievement of practical results of primary education. Therefore, in developing the mechanisms of using this method, we believe that the establishment of scientific, practical and methodical cooperation of scientific staff, experienced pedagogues and primary school teachers in practical activities will bring the expected effect.

Practical experiences on the mechanisms of using programs such as PISA, PIRSL, TIMSS in the cluster method in primary education are now being formed. Therefore, one should not be afraid to conduct scientific and practical pedagogical experiments in this regard. It is only necessary to strengthen the activity, cooperation and connection of professors, students and elementary school teachers. The main goal is to use the cluster method in the scientific, methodological and technological development of primary education. For this reason, the interests of education organizers, learners and education implementers are equally ensured in the cluster method.

Basing on scientific observations, individual experiences and practical results in the development of the mechanisms of using the cluster method in primary education gives the expected effect. It is urgent to start scientific and practical research in this regard.



REFERENCES

1. Decision of the President of the Republic of Uzbekistan dated February 27, 2020 "On measures to develop the field of pedagogical education".
2. Abdullaeva Sh.A. Pedagogical diagnosis.-Tashkent: University, 2019.- 310 p.
3. Bepalko V.P. Pedagogy and professional learning technologies - M .: Publishing house prof. education, 2008. - 336 p.
4. Bondarevskaya E. V. Humanistic paradigm of personality-oriented education / E. V. Bondarevskaya // Pedagogy, 2015, No. 1. C.8.
5. Mukhamedov G', Khodjamkulov U. Innovative cluster of pedagogical education: definition, description, classification. -Chirchik, 2019.
6. Karimjonov, A., & Jabborova, O. M. (2020). Improvement of cluster training system. ACADEMICIA: An International Multidisciplinary Research Journal, 10(10), 584-589.
7. Makhmudov, Q. Sh. O', Sanakulov, Z. I., Shaikhislamov, N. Z. O', & Karshieva, D. E. (2020). "Cluster" in pedagogical education. Science and Education, 1(7).
8. R.J. Ishmuhamedov, M. Yuldashev – Innovative pedagogical technologies in education and training. T.: 2013. "NIHOL" publisher.
9. Khodjamkulov, U. N. (2020). PEDAGOGICAL EDUCATION INNOVATION CLUSTER (EXAMPLE OF INDEPENDENT EDUCATIONAL SYSTEM). Academic research in educational sciences, (4).
10. Рашидов, Д. (2022). ИТМОЙЙ ЕҲТИЙОЖМАНД ТОИФАГА МАНСУБ ШАХСЛАРНИ TRANSPORT KORXONALARIDA ISHGA JOYLASHTIRISH UCHUN ISH O 'RINLARINI ZAXIRALASH. Scienceweb academic papers collection.
11. Stolyarenko L.D. Pedagogical psychology. - Rostov-on-Don: Phoenix", 2006.-544 p.