“INNOVATION CLUSTER OF PEDAGOGICAL EDUCATION " AS THE BASIS OF THE PRACTICE BASE EDUCATION

P.F.D., Prof. A. K.Rakhimov, D.B.Saidova

At present, major changes are being made in the system of school education on the basis of the idea of “New Uzbekistan begins from the threshold” in our country. The priority direction in the educational and social sphere in the Republic of Uzbekistan is considered and serves to carry out such an important task as formation and development of a harmonious personality, formation of scientific literacy of a person. Therefore, the adaptation of future specialists to rapidly developing socio-economic conditions through the modernization of the content of the educational process and the methods, tools and forms of its organization, the effectiveness of independent life and preparation for professional activities are considered one of the pressing problems.

The implementation of a cluster approach to education and the establishment of an innovative experimental field “school-laboratory”, its practical form, laid the foundation for the unification and rational use of the forces and capacities of subjects in the educational system. Since the 2019-2020 academic year, by participating in the project “innovation cluster of pedagogical education”, which is defined as the main strategic research direction of our institute and introduced into practice, cooperation between higher education and the school of general Secondary Education has been achieved and the practice base has been established.In the course of our study, teachers of general secondary schools in Chirchik City were approached with the following two main questions on the basis of questionnaire:

1. What are the major problems militating against the formation of natural-academic literacy and the quality of education in students today?

2. What are the factors that positively affect the formation of natural-scientific literacy in students and the quality of Education?

According to the results of the survey, the teachers of the general Secondary School in the first question were the following omillarni.

Factors that adversely affect the formation of natural-scientific literacy in students

Non-satisfaction of the teachers ' needs of secondary schools with the quality of the general staff (in some secondary schools non-teaching teachers give lessons);

Forms of independent cognitive skills in secondary school students;

The number of pupils in secondary schools is more than X (the total number of students in some classes is 49-52);

Lack of some of the material and technical background in secondary schools i.e. lack of satisfaction of the need for laboratory equipment general purpose and ICT;

The inability of pedagogical staff to work on their own, the slowness of some pedagogical skills, the inability to pass the lessons in an interesting way;

Lack of attention to the interests and goals of parents in the upbringing of children and the development of science;

Lack of good communication between the educational institution and the family;

A number of problems such as the fact that students are subject to multifunctional mobile phones have been identified as factors that adversely affect the formation of natural-academic literacy in the students.

According to the results of the survey, the teachers of the secondary school in general were shown the following omillarni on the second question.

Factors that positively influence the formation of natural-scientific literacy in students

Education provided by the high potential values of the institution;

Continuous performance of science students in institutions of higher education;

Insufficient training with laboratory equipment of laboratory rooms ensuring the level;

Educators working in the educational institution of higher education constantly work on themselves, be aware of the innovations in science, know the science that he is teaching, conduct activities conscientiously;

The well-established constant cooperation between parents and teaching staff is a good father's interest;

The use of Information Communication Technologies in the process of teaching;

New innovative pedagogical technologies in the process of teaching electronic resources, virtual laboratories, audio and video lessons, ko'r visual weapons on the subject, dissemination materials, use of presentations;

Establishing good relations between the educator and the educator;

Formation and development of independent working skills in students;

Some of the material technology provided by the adequate level of material literacy school;

Use of non-standard and pisa lessons tests during classes;

How to deal with students on a more individual basis;

The use of innovative pedagogical technologies in lessons;

A healthy competition among students in the course of the lesson to put on the road;

We can note several factors such as the organization of lessons on the principle of Subject-subject as factors that have a positive effect on the formation of natural-scientific literacy in students.During the two years of scientific pedagogical research, the problems studied were partially eliminated, and during the use of non-standard assignments and new pedagogical technologies, which, in accordance with the requirements of the PISA international assessment program, motivate students to think logically and creatively, serve in the formation of natural-scientific literacy, the quality indicator in the experimental class students was The need to improve the methodological supply of formation of natural and scientific literacy in the students was defined as the priority tasks in the strategy of actions for further development of the Republic of Uzbekistan “improvement of quality and efficiency of activities of higher educational institutions,” education of young people loyal to the Motherland, who are developed, independent-minded, have a strict Among all educational sciences in this regard, modernization of the educational content of Biological Sciences, the process of development of the natural and scientific worldview, improvement of teaching methods, tools, forms and technologies play an important role

Used Literature

1. Rakhimov A. K., (2020). Improving the Methodology for Developing Students' Natural and Scientific Worldview ("On the Example of Teaching the Subject of other Doctrine of Evolutionution"). International Journal of Psychological Rehabilitation, 24(2), 1283-1296.
2. Rakhimov A. K. (2017). Theoretical Basis for Development Ecological Worldview as a Part of Students’ Natural Scientific Worldview. Eastern European Scientific Journal, (5). 20-24
3. Raximov A. K. (2019) Talabalarda tabiiy-ilmiy dunyoqarashni rivojlantirish metodikasini takomillashtirish. Pedagogika fanlari doktori (DSc) dissertasiya avtoreferati Toshkent 2019 yil 4 b.
4. Rahimov, A.K. (2019) "Efficiency of the application of private methodologicaltechnologies in teaching biological sciences," Bulletin of Gulistan State University: Vol. 2019 : Iss. 2 , Article

5. Raximov, A. K., Nurmetov, X. S., & Saidova, D. B. (2020). Uzluksiz ta'lim tizimida pedagogik ta'lim innovasion klasterining roli. Academic Research in Educational Sciences, 1(1), 48-53.
6. Xodjamqulov U.N (2019). Pedagogik ta'lim klasteri ilmiy-pedagogik muammo sifatida (pedagogik ta'limni klasterlashtirish zaruriyati).Sovremennoe obrazovanie (Uzbekistan), (10 (83)), 10-15.
7. Xodjamqulov U. N. (2020) pedagogik ta'lim innovasion klasterining ilmiy nazariy asoslari. Pedagogika fanlari doktori (DSc) dissertasiyasi avtoreferati. 66-b
8. Rakhimov A. The G. (2019) development of natural-scientific worldview in students improving the methodology. Doctor of Pedagogical Sciences (DSc) dissertation avtoreferati Tashkent 2019 Year 4 B.
9. Rahimov, A.K. (2019) "Efficiency of the application of private methodologicaltechnologies in teaching biological sciences," Bulletin of Gulistan State University: Vol. 2019 : Iss. 2, Article Rakhimov, A. The G., Nurmetov, X. S., & Saidova, D. The B. (2020). In the system of continuing education the role of the innovation cluster in pedagogical education. Academic Research in Educational Sciences, 1 (1), 48-53.
10. Khodjamkulov He.N (2019). The cluster of pedagogical education as a scientific-pedagogical problem (the need for clustering pedagogical education).Sovremennoe obrazovanie (Uzbekistan), (10 (83)), 10-15.
11. Khodjamkulov He. What? (2020) scientific innovation cluster of pedagogical education theoretical basis. Doctor of Pedagogical Sciences (DSc) dissertation authority. 66-B