The Creation of Projects of Educational Materials on Teaching Technologies for Informatics and the Design of Educational Subjects

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Abstract :*This article is devoted to the replacement of pedagogical technologies in computer education. The article analyzes the opinions of scientists who have conducted research on pedagogical technologies, the design of the educational process, the creation of a modernized modern educational literature, the introduction of information and communication technologies in the educational process.*

Keywords: *teaching informatics, pedagogical technologies, information and communication technologies, projects, educational literature.*

Conclusion

One of the topical issues of today is the creation of projects of educational materials on teaching technologies for informatics and the design of educational subjects and, accordingly, the creation of a modernized educational literature, which can be described as an innovation in education.

At the same time, it is aimed at radically improving the mechanisms of state regulation of innovation activity, creating conditions for the introduction of innovations in industries and sectors of the economy, ensuring the quality of education in the higher education system, modernizing textbooks on informatics, which are important components of the educational process, once again showed the need to create.

Main Part

It is necessary to have the necessary knowledge, skills, abilities and competencies in the field of innovative pedagogical technologies, the creation of innovations and their implementation, the promotion of best practices, popularization, and evaluation of the results of creative activity. Only then can mature, knowledgeable, dedicated and experienced teachers be prepared for the future. Therefore, pedagogical technology is an educational activity that implements a technological approach to the educational process that guarantees the achievement of the results of this goal, which is organized in the context of a specific project.

Based on this, improving the training of students with practical skills and competencies in newly opened educational areas and courses of the educational center of informatics is one of the most important tasks of the day.

After all, the upbringing of a mature generation that meets the needs of the time through the system of mass education largely depends on the ability of natural science teachers and educators to design educational processes in accordance with the principles of pedagogical technology and use these projects in their training sessions.

In the course of higher education in our country, B. Ziyokhamedov [1], I. Zulfikorov [3], G. Izetaeva [2], M. Kochkarov [3], M. Tozhiev [4], E. Sharipov [5] pedagogical scientific projects are being successfully tested because, although the results of pedagogical experience do not lead to qualitative changes that meet the requirements of restructuring the integrated education system, the present and future of pedagogy To accelerate the transition to a new quality that meets the requirements of today, it is necessary to accelerate the development of scientific sources of knowledge, analysis and dissemination advanced teaching experience.

E. Goziev [6], conducted research on the principles of pedagogy, psychology and pedagogical technology of educational process projects that serve to create a new generation of educational literature on informatics. M.G. Davletshin [7], Kh. I. Ibragimov [8], P. T. Magzumov [9], Ch. R. Radzhabov [10], V. A. Slastenin [11]. In the studies of such scientists as R. Yuzlikaev [12], B.P. Bespalko [13], M.V. Clarin [14], B. S. Bloom [15], K. V. Cobb [16], G. K. Selevko [17] you can see the content, essence, purpose and objectives of pedagogical technologies, as well as their application in the educational process.

The merit of the teachers-scientists of our country in solving problems related to the improvement of the PC and its introduction into the educational process is also great. The results of this opinion can be seen in the studies of N.N. Azizkhodzhaeva [18], R.Kh. Dzhuraev [19], Zh.G. Ochilov [23].

Research on the practical aspects of the use of PT in the educational process and the creation of a constructor of thematic training sessions can be seen in the works of D.M. Fayzullaeva [24], A.A. Abdukadirova [25], U.Sh. Begimkulov [26], R. Bokiev [27], I.I. Khaitov [28], Sh. R. Rustamova [30] and others.

Despite the fact that the theoretical, practical and methodological views on the development of higher education strategies, pedagogical and ICT in the educational process have been developed in the above studies, there are shortcomings in the design of educational subjects in the creation of a new generation of educational literature. taught in universities, this issue remains one of the urgent problems of our time.

Conclusion

The above scientific and methodological research and the principles of pedagogical technology are in line with the goal of creating a new generation of educational literature in Akocide, and it was noted that each teacher should become familiar with traditional teaching methods and technological approaches and improve their scientific and methodological knowledge by designing the educational process.

References:

1. Зиёмуҳаммадов Б., Тожиев М. Педагогик технология – модернизациялашган ўзбек миллий модели. – Т.: “Lider Press”, 2009. – 112 с.
2. Изетаева Г.К. Информатик фанларини модулли технология асосида ўқитишнинг назарияси ва амалиёти. Монография. – Тошкент: “Fan va texnologiya markazining bosmaxonasi”, 2013. – 172 б.
3. Олий информатика фани ўқув машғулотларининг лойиҳалари (Педагогик технология миллий моделининг амалиётга татбиғи) /Қўчқаров М.У., Зулфиқоров И.М., Изетаева Г.К., Опаева Г.А. ЎзР олий ва ўрта махсус таълим вазирлиги ҳузуридаги Олий ва ўрта махсус, касб-ҳунар таълимини ривожлантириш маркази // Ўқув ва илмий-услубий қўлланма.: «Tafarrur-Bo`stoni», 2011. -240 б.
4. Педагогик технология − таълим жараёнига татбиғи. // ЎзР олий ва ўрта махсус таълим вазирлиги ҳузуридаги Олий ва ўрта махсус, касб-ҳунар таълимини ривожлантириш маркази. – Тошкент: ОЎМКҲТРМ, – 2010. Бошланғич синф информатика ўқитиш методикаси фани дарсларининг лойиҳаси, I қисм. Тожиев М., Алимов А., Қучқаров Д. Т.: “TAFAKKUR”. - 148 б.
5. Тожиев М., Изатаева Г.К., Шарипов Э.О. “Информатик анализ” фани ўқув машғулотларининг лойиҳалари (Педагогик технологиянинг миллий моделини амалиётга татбиғи). /Ўқув ва илмий-услубий қўлланма, Қ.I: -Т: “Tafakkur-bo′stoni”, 2011. – 192 б.
6. Ғозиев Э., Педагогик технологияларнинг психологик масалалари. // – Ж.: Халқ таълими, – Тошкент. 1999. 6-сон. – Б. 36-38.
7. Давлетшин М.Г. Психология технических способностей школьников. – Т.: Фан, 1971.
8. Ибрагимов Х.И. Государственный образовательный стандарт, формирование системы контроля качества выпускников // Ж. Среднее профессиональное образование, – № 1. -2002.– С. 4

9. Магзумов П.Т. Педагогическое мастерство. – Т. 2002. – 324 б.
10. Педагогика / Акад. С.Р.Ражабовнинг умумий таҳрири остида. – Т.: Ўқитувчи, 1981
11. Сластенин В.А., Подымова Л.С. Педагогика инновационная деятельность. – М., 1998
12. Юзликаев Ф.Р. Интенсификация процесса дидактической подготовки будущего учителя в пединституте. – Т.: Фан, 1995. – 203 с.
13. Беспалько В.П. Педагогика и прогрессивные технологии обучения. – М., 1995. – 25 с.
14. Кларин М.В. Инновации в мировой педагогике: обучение на основе исследования игр, дискуссий. (Анализ зарубежного опыта). - Рига: Педцентр «Эксперимент», 1995. – 176 с.
15. Bloom B.S. (ed) et al. A taxonomy of Educational objectives: Handbook 1: The Cognitive Domain. Harvow, 1956.
16. Cobb C.W., Douglas P.H. A theory of production. – “American Economi Review”, 1928, v.18, №1
17. Селевко Г.К. Современные образовательные технологии: Учебное пособие. – М.: ЮНИТИ-ДАНА, 1998. – 344 с.
18. Азизхўжаева Н.Н. Педагогик технология ва педагогик маҳорат. – Т.: ТДПУ, 2003.
19. Жўраев Р., Саматов Ғ., Қаршибоев Ҳ. Модернизациялашган информацион ва педагогик технологиялар асосида табиий фанларни ўқитиш. – Ж.: Халқ таълими, -2002. 1-сон.
20. Йўлдошев Ж.Ғ., Усманов С.А. Педагогик технология асослари. Қўлланма. – Т.: Ўқитувчи, 2004
21. Муслимов Н. Касб таълими ўқитувчиларининг амалий компетентлигини шакллантириш технологияси. Услубий қўлланма. -Т.: “Иқтисодиёт”, 2012. - 7,2 б.т.
22. Нишоналиев У. Модульные педагогические технологии. Профессиональное образование, -М. - № 4. 2002. – С. 68-75.
23. Очилов М. Янги педагогик технологиялар. – Қарши: Насаф, 2000. – 118 б.
24. Голиш Л.В., Файзуллаева Д. Касб-ҳунар коллежларида модули дастур асосида таълим бериш// Касб-ҳунар таълими. 2002. – 4-сон. – Б. 24.
25. Абдуқодиров А.А., Астанова Ф.А., Абдуқодирова Ф.А. “Case-study” методи: назария, амалиёт ва тажриба. – Т.: “Тафаккур қаноти”, 2012. – 134 б.
26. Бегимқулов У.Ш. Педагогик таълимда модернизациялашган технологиялар // Ж. Педагогик таълим. – Тошкент. -2005. – 6 сон. –Б.15-17.
27. Боқиев Р.Р., Қаюмова Н.А. Ахборот технологиялари дарсларида модуль дастуридан фойдаланиш // Педагогик маҳорат. – Бухоро. 2006. –1-сон. – Б. 65-67.
28. Ҳайитов А. Информатика дарсларида муаммоли ўқитиш // Халқ таълими. 2001. 5-сон. – Б. 102-104.
29. Шарипов Ш.С. Билим олишнинг интеллектуал тизимини ишлаб чиқиш назарияси ва амалиёти. Монография. – Т.: “Фан”, 2011. – 206 б.
30. Rustamova, N. R. (2019). Technology for the development of media culture of secondary school pupils (on the example of grades 7-9). Author’s abstract of PhD dissertation, 42 p.