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THE USE OF INFORMATION TECHNOLOGY IN THE ORGANIZATION OF AN INDEPENDENT EDUCATIONAL PROCESS IN HIGHER EDUCATIONAL INSTITUTIONS

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Abstract

Attention to the quality of education in our independent republic is a requirement of the period. Looking at the requirements of the times, the main of them is the training of knowledgeable, ingenious and competitive specialists in higher educational institutions who can meet the requirements of world standards. For this, independent in student activities

the introduction of education is a prerequisite. When called independent education, it is understood to teach learning materials so that they have tasks and independent thinking in the minds of students to be able to resemble a scientific search.

Training students in independent search is the basis for their formation in the future as a mature specialist in their specialty. The student can draw up a plan for solving an independent problem based on the knowledge gained in lectures and practical classes and, on the basis of the plan, be able to implement it, become the basis for the student's creative approach to professional development and develop himself intelectually. For the most part, students try to get the necessary level of knowledge from each lesson. However, if the process of independent work is organized correctly, sufficient conditions are created for students to do independent work, the possibility of using modern techniques and technologies is created, then the independent mastery of the science of students will be the fundamental basis of student learning.

What should be understood by the process of Independent Education of students? In general, this can mean any activity associated with the upbringing of the thinking of the future professional. Well, it can be said to the sum of the activities that the student performs, in addition to the audience and audience, which, by increasing his cognitive activity, encourages independent thinking, and also under the guidance of the teacher or without his participation.

The organization of Independent Education in the higher education system, the requirements for the independent work of the student, the formation of their skills for independent learning are an urgent pedagogical problem. Because in the current conditions, where the range of information and knowledge is rapidly expanding, not all information can be fully supplied to students only during classes, solutions to the problems posed may not be found.

The observations carried out show that only when the student is engaged independently and is independently approved by himself, does the deep assimilation of information, in which the boorish function of independent activity is formed, and interest in creative search arises. It follows from this that the creation of all the educational and methodological support necessary for the organization of the process of Independent Education of students is the main task facing the oily educational institution. The development of the country is inextricably linked with the development of Education. This in turn depends not only on the provision of higher education with modern information technologies, but also on how much knowledge the learners are interested in. From this point of view, the need for independent education of students should be further increased. This assumes that those educated in educational institutions will be able to move their independent knowledge to a new level.

The following requirements are imposed on the professors and teachers of departments when organizing the performance of independent work of students from subjects:

1. taking into account the peculiarities of the science, students base the content and volume of their independent work on meyeriy-methodical documents;
2. students plan their independent work in a differentiated manner as well as form their thematic;
3. preparation of independent work of students on the principle of complicating the subject as they go through the subject, taking into account the features of the subjects and on the basis of their requirements;
4. to analyze the content and level of complexity of independent work of students from general education, general education and specializations in the fields of education, and to develop a program of independent work of students from the disciplines on this basis.

The main responsibility in managing the process of planning the independent work of students lies with the science teacher. On the basis of modern pedagogical technologies, the model of the lesson is determined by the teacher, educational goals (teacher's and identical educational goals) are formulated. On this basis, independent work assignments are drawn up on each of the main questions, and in the process of training, a thorough preparation of such stages as attracting, controlling, stimulating, evaluating, concluding student activities to management independent work is achieved. The curriculum in science is a major resource in planning students ' independent work.

When the process of performing independent work of students is being designed, it is taken into account that self-management and control skills are formed in students. The independent work of students is fully reflected in the work carried out on the subject in the teacher's curriculum. Efficiency in the implementation of independent work of students largely depends on the correct planning of assignments, the intended preparation of a specific goal, the quality of distribution and educational and methodological materials in every possible way.

The fact that the effectiveness of the independent work of students has a thorough knowledge of science teachers from a methodological point of view and their connection to pedagogical competence is also one of the issues that need to be studied. The development of creative abilities of students is one of the important factors in the formation of a high level of activity in them, as well as Independence.

References

1. Нилуфар Намозова Астрономия фанини ўқитишда қўлланиладиган дастурий-педагогик воситалар ва уларнинг имкониятлари // eurasian journal of technology and innovation Innovative Academy Research Support Center
2. Sayfullayeva Gulhayo Ixtiyor qizi Namozova Nilufar Tuxtamurodovna Astronomiya fanini o'qitishda elektron darsliklarning o'ziga xos xususiyatlari va afzalliklari// Journal of Universal Science Research 1 (10), 873-877
3. Н Намозова, Г Сайфуллаева Астрономия фанига интеграциялашган медиатаълимнинг фаолиятли тузилмаси// бюллетень педагогов нового Узбекистана 1 (7), 21-23
4. Aziza Bozorova, Gulhayo Sayfullayevakredit–Modul Ta'lim Tizimida Talabalarning Mustaqil Ta'lim Jarayonini Tashkil Etish// Бюллетень студентов нового Узбекистана, 2023
5. Н Намозова мактаб астрономия фанига интеграциялашган медиатаълимдан фойдаланиш //TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN, 2023
6. Haydarova Dilorom, Sayfullayeva Gulhayo pyton dasturida astronomiyadan animatsiya yaratish //

Journal of Universal Science Research, 2023
7. Haydarova Dilorom, Sayfullayeva Gulhayo ways to effectively organize speech culture of the astronomy teacher// FAN, TA'LIM, MADANIYAT VA INNOVATSIYA, 2023
8. Q Surayyo, X Sevinch, S Gulhayo Astronomiyada ishlatiladigan amaliy innovatsion dasturlar haqida asosiy tushunchalar va ularning imkoniyatlari //Journal of Universal Science Research, 2023
9. H Dilorom, S Gulhayo Teaching methodology of the subject" motion, phases and periods of the moon".// JOURNAL OF ENGINEERING, MECHANICS AND MODERN ARCHITECTURE
10. SH Rozikulovich, S Gulhayo Methodology for finding the topic of the earth in distance education on the basis of an integrative approach Journal of Academic Research and Trends in Educational Sciences 2022
11. Karimova D.A., Nematova M.Sh. Kimyo o'qituvchilarida tadqiqotchilik faoliyatini rivojlantirish aspektlari haqida dasturiy platforma. O‘zbekiston respublikasi adliya vazirligi huzuridagi intellektual mulk agentligi. № DGU 2022 4165.
12. Karimova D.A., Nematova M.Sh. Methodology of assessment of student knowledge in pedagogical higher education institutions using pisa, pirls international research programs, computer and information technologies. International Journal of Early Childhood Special Education (INT-JECSE) DOI:10.9756/INTJECSE/V14I5.458 ISSN: 1308-5581 Vol 14, Issue 05 2022.
13. D.A. Karimova , G.U.Nurnazarova Kimyo mustaqil ta’lim va to’garak ishlari. Elektron o`quv qo`llanma. O‘zbekiston respublikasi adliya vazirligi huzuridagi intellektual mulk agentligi. № DGU 15082.
14. I.R. Kamolov, G.I. Sayfullaeva -Formation of teacher’s competence in the performance of laboratory and experimental works Journal of critical reviews. ISSN-2394-5125, 2020
15. A.R. Sattorov G. I. Sayfullaeva, Methodology of Application of Innovative Educational Technologies from Astronomy to Laboratory Activities 2021/10/29 European Journal of Life Safety and Stability (2660-9630) 125-128
16. O’.K.Sunnatova, G.I.Sayfullayeva. Making a vacuum cleaner using the stem education system in students' laboratory classes. Web of Discoveries: Journal of Analysis and Inventions. 2023. 43-47.
17. Sayfullaeva Gulkhayo Ikhtiyor Kizi, Shodiev Khamza Ruziculovich, Xaitova Shakhnoza G’olibjon Kizi Conditions For The Formation Of Teaching Innovation Activities Journal of Pharmaceutical Negative Results, 2023 2420-2423
18. Bozorova Aziza : Sayfullayeva Gulhayo Ixtiyor qizi Astronomiyadan stem dasturidan foydalanib quyosh soati mavzusini o’qitish - Yosh tadqiqotchi jurnali, 2022 35-38
19. Bobir Makhammadov The usage of android operating system mobile application terms in the russian language Proceedings of International Conference on Scientific Research in Natural and Social Sciences 2023/2/4 246-251.