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MECHANISM OF THE PROCESS OF ORGANIZATION OF COMPUTER AND INFORMATION TECHNOLOGY LESSONS THROUGH MEDIA TECHNOLOGIES

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ABSTRACT

Organization of the teaching process of informatics and information technologies on the basis of media technologies is presented. It is impossible not to recognize that the role and possibilities of media technologies have increased several times in the current era of globalization and the informational conditions of the society. Of course, the need of the time shows that this is also important from the pedagogical point of view.

KEYWORDS: *Media Technology, Media Education, Media Literacy, Media Competence, Model.*

INTRODUCTION

One of the main tasks in the teaching of informatics and information technologies and the organization of the educational process is to use media technologies to attract students to education. It is impossible not to recognize that the role and possibilities of media technologies have increased several times in the current era of globalization and the informational conditions of the society. Of course, the need of the time shows that this is also important from the pedagogical point of view.

In recent years, despite the large-scale reforms carried out in the field of information of society and education, the provision of quality educational services, the development of science and technology, and the significant scientific work of our scientists on the use of information technologies in the teaching process, the development of the mechanism and technology of the information of education, the creation and use of electronic educational resources and implementation issues are very pressing.

The issues of information of the educational process are related to the fact that the Ministry of InnovativeDevelopment of the Republic of Uzbekistan started working on November 29, 2017 in accordance with the Decree of the President of the Republic of Uzbekistan "On the establishment of the Ministry of Innovative Development of the Republic of Uzbekistan" No. PF-5264 dated November 29, 2017. [1] Also, in December 2019, the Scientific and Technical Center started working under this Ministry, which also led to the acceleration of the ongoing reforms. [1]

It is the task of the informatics teacher to form the competence of students to work independently with a computer, to search for, analyze, sort and systematize information according to content and complexity level.

Of course, the media technologies used in this regard play a key role in the formation of practical skills and competencies in this field. For example, the role of multimedia media technologies in this regard is incomparable. The word multimedia is used in English as "multimedia" and in Russian as "multimedia" and has the following meanings:

1. Derived from English: multi - many and media - carrier, environment. A combination of sound, image and texts, which are carriers of information in various forms.

2. Visual and audio effects combined in interactive software control. Usually this means a combination of text, sound and graphics, and more recently animation and video. Multimedia web links and compact discs are descriptive, if not more important, feature hyperlinks.

3. A set of hardware and software tools for working with video and sound. Computers with multimedia usually have a powerful video system, the ability to add VCRs and video cameras, hardware to capture images and write them digitally to a hard disk, and overlays. In addition, they have the ability to add a sound board for sound reproduction and synthesis, transmission for reading information from a compact disc, and an acoustic system.

4. The technology of providing information of the desired type in a complex manner. Multimedia together provides image processing, speech processing and document processing. This allows the screen to output an image along with text and sound. One of the important areas of multimedia is the creation of educational systems.

Based on the above-mentioned points, it is appropriate to outline the essence of the mechanism of the process of organizing informatics and information technology classes in general secondary educational institutions with the help of media technologies (see Figure 1).

From the analysis of available scientific and research resources on the development of media and media technologies, informatics and information technologies, it can be seen that great positive changes and achievements have been achieved in the development of education informatization and media education in our country.

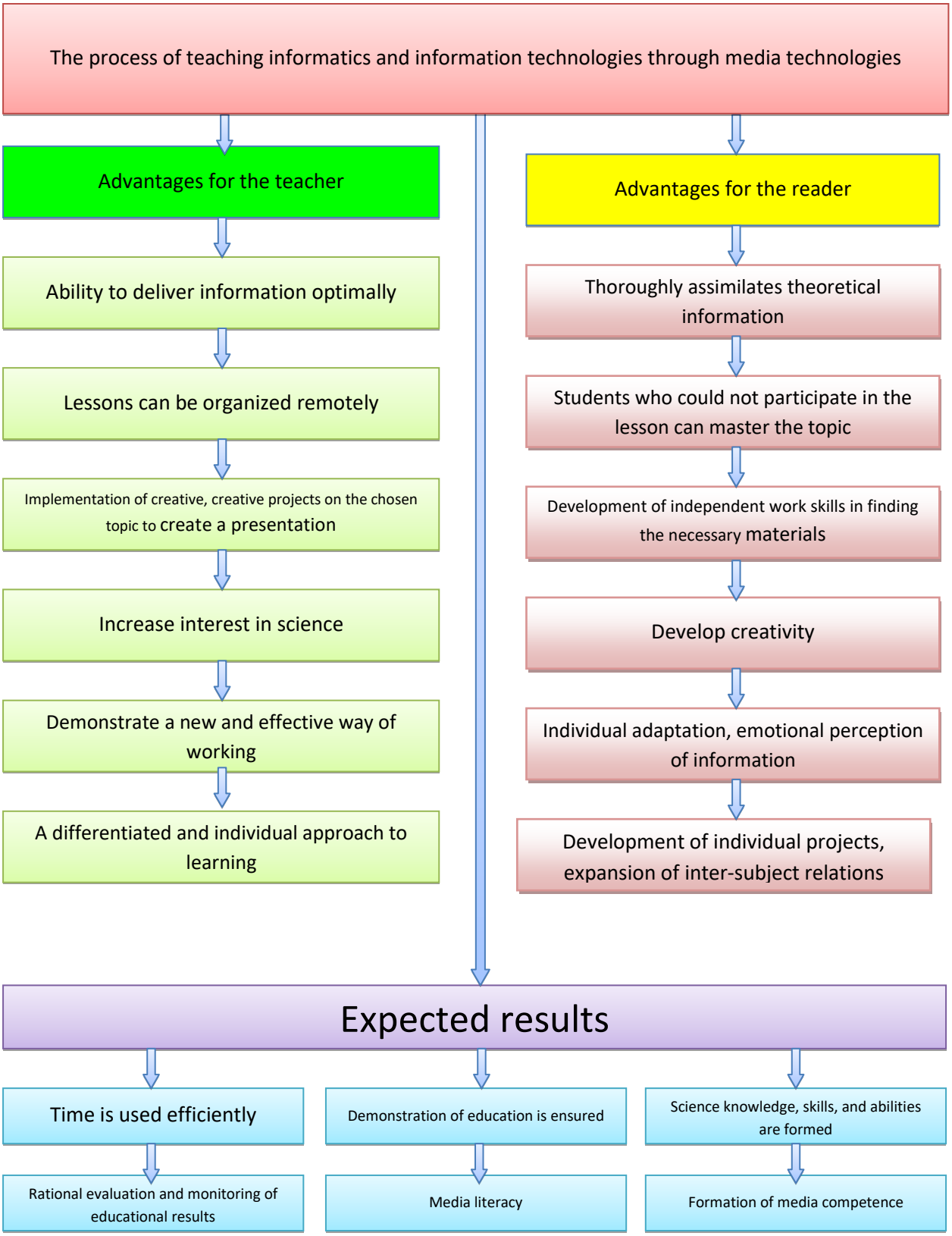

Figure 1. Mechanism of the process of organization of computer and information technology lessons through media technologies

Presenting the advanced theoretical and practical ideas of the existing media education model, the media education system has a well-developed mechanism for its effective implementation in teaching practice.

REFERENCES

1. Ўзбекистон Республикаси Президентининг «Ўзбекистон Республикаси Инновацион ривожланиш вазирлигини ташкил этиш тўғрисида»ги 2017 йил 29 ноябрдаги ПФ-5264-сон Фармони. Қонунҳужжатларимаълумотларимиллийбазасиhttps://lex.uz/docs
2. Амиров Д.М., Атаджанов А.Ю., Атаджанов Д.Ю., Ибрагимов Д.А., Раҳимжонов З.Ё., Саидхўжаев С.С. Ахборот-коммуникация технологиялари изоҳли луғати. БМТТДнинг Ўзбекистондаги ваколатхонаси, 2010. 163-бет
3. IvanovaA.Yu. Practical modeling. Computer experiment. Methodical instructions for the teacher: Textbook. allowance. - Tomsk: Vol. state University of Control Systems and Radioelectronics, 2005.
4. Balakina V.P. Using the Power Point program in the work of a computer science teacher. Materials of the XIX international conference «Application of new technologies in education» June 26-27, 2008.
5. Fayziev R.A., Sobirov A.A., ZiyadullaevD.Sh. Technology for creating electronic textbooks. Tutorial. - T .: IQTISODIYOT, 2019.160 p.
6. Bespalko V.P. Education and training with the participation of computers (pedagogy of the third millennium). - M.-Voronezh: Publishing house of Moscow. psycho-ped. in-that; Modek, 2012.
7. Vorobyova G.N. Using an interactive whiteboard in 5th grade mathematics lessons. Application of new technologies in education. Materials of the XIX International Conference, Troitsk, 2007. p. 100.
8. Tursunova Ch.A. The use of information and communication technologies (ICT) in computer science lessons. MultiUrek, 2018.https://multiurok.ru/files/ispolzovanie-ikt-na-urokakhinformatiki.html.
9. Yakovlev D.A., Savina A.V. The use of ICT in the work of a teacher of informatics // ISOM. 2017. No. S1. URL: https://cyberleninka.ru/article/n/ispolzovanie-ikt-v-rabote-uchitelyainformatiki.
10. Makhmudova D.M., Tadjibaev B.R., DusmurodovaG.Kh., Yuldasheva G.T. Information and communication technologies for developing creative competence in the process of open teaching physics And maths // International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192, Vol.24, Issue 09, 2020 – P. 434-439.

    https://www.psychosocial.com/article/PR290050/22682/
11. Mukhamedov G.I., Makhmudova D.M. On the Application of Information -Communication Technologies in the Development of Independent Creative Thinking of Youth // International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192, Vol.24, Issue 09, 2020– P. 468-478. https://www.psychosocial.com/article/PR290055/21298/

12. Makhmudova D.M. Using Information Technology Tools In Mathematics Lessons For Teaching Future Teachers // International Journal of Scientific & Technology Research. Volume 9, Issue 03, march 2020. – P. 4168-4171. http://www.ijstr.org/final-print/mar2020/Using-InformationTechnology-Tools-In-Mathematics-Lessons-For-Teaching-Future-Teachers.pdf

13. L.M.Karaxanova. Development of students' knowledge based on the use of 3d educational technologies in the Biology education // Таълимваинновационтадқиқотлар. –Бухоро. 2020 йил №2. –Б. 55-59. http://interscience.uz/index.php/home

14. Р.Х.Джураев, Л.М.Караханова. Модель организации исследовательской деятельности учащихся 10 классов при преподавании физики и биологии // InternationaljournalofdiscourseonInnovation, integrationandeducation. Volume: 02 Issue: 01 | January 2021. –P. 296-300.

15. SulaymanovaDildoraBakhtiyorovna.Experience in the application of mediatechnologies in teaching informatics in 5thgrade of schools (Middle European Scientific Bulletin, ISSN 2694-997080, VOLUME 12May 2021, 80-83) https://cejsr.academicjournal.io/index.php/journal/article/view/517/464https://doi.org/10. 47494/mesb.2021.12)

16. Sulaymanova Dildora Bakhtiyorovna. "USE OF MEDIA TECHNOLOGIES IN THE TEACHING OF COMPUTER SCIENCE". (ELECTRONIC JOURNAL OF ACTUAL PROBLEMS OF MODERN SCIENCE, EDUCATION AND TRAINING. MAY, 2021- IX

17. Д. Сулайманова. Информатика дарсларида медиатехнологиялардан фойдаланиш юзасиданўқувчилар билимини ташхислаш. Academicresearchineducationalsciences. 2021yil.NUU. 135-137 бетлар.

18. Сулайманова Д. Информатика дарсларидамедиатехнологияларданфойдаланишорқалиўқувчиларфаоллигиниошириш. ЎзМУ хабарлари. Тошкент-2021yil (1/4) . 168-171 бетлар.

19. Sulaymanova D. "Formation of skills of using mediatechnologies in pupils".Таълим ва инновацион тадқиқотлар. 2021№ 4. 61-65 bet.https://doi.org/ 10.53885/edinres.2021.52.25.009. http://interscience.uz

20. N.Ravshanov, D.Sulaimonova. Model to study the technological process of separation of hard-to-separate granular mixtures and to adopt managerial decisions. JournalofPhysics: ConferenceSeries, 2019. P. 1-9