GALAXY INTERNATIONAL INTERDISCIPLINARY RESEARCH JOURNAL (GIIRJ)
ISSN (E): 2347-6915
Vol. 11, Issue 06, June (2023)

THE IMPORTANCE OF THE INTEGRATION OF MODERN DIGITAL TECHNOLOGIES AND INTERACTIVE METHODS IN GEOGRAPHY TEACHING

[1]Madraximov Shuxratjon Shukurovich,
[2]O‘rinboyeva Adibaxon To‘lanboy qizi
[1]Kokan State Pedagogical Institute, Assistant Teacher
[2]Kokan State Pedagogical Institute, Student

ABSTRACT

This article describes the integration of modern digital technologies and interactive methods in the teaching of geography. It presents the "Mind Mapping" method and the sequence of making a mind mapping on the topics of the African continent in the EdravMindMaster program.

Key words: interactive methods, geography teaching methodology, "Mind mapping" method, modern digital technologies, integration, quality of education, thinking process, ideas

ZAMONAVIY RAQAMLI TEXNOLOGIYALAR VA INTERFAOL METODLAR INTEGRATSIYASINING GEOGRAFIYA O‘QITISHDAGI AHAMIYATI

[1]Madraximov Shuxratjon Shukurovich, [2]O‘rinboyeva Adibaxon To‘lanboy qizi
[1]Qo‘qon davlat pedagogika instituti, assistent-o‘qituvchi
[2]Qo‘qon davlat pedagogika instituti, talaba

ANNOTATSIYA

Ushbu maqolada geografiya fanini o‘qitishda zamonaviy raqamli texnologiyalari va interfaol metodlarning integratsiyasi haqida yoritiladi. Unda «Idrok xaritasi» metodi va EdravMindMaster dasturida Afrika materigi mavzulariga oid idrok xaritasi tayyorlash ketma-ketligi keltirilgan.

Kalit so‘zlar: interfaol metodlar, geografiya o‘qitish metodikasi, "Idrok xaritasi" metodi, zamonaviy raqamli texnologiyalar, integratsiya, ta’lim sifati, fikrlash jarayoni, g‘oyalar.

ЗНАЧЕНИЕ ИНТЕГРАЦИИ СОВРЕМЕННЫХ ЦИФРОВЫХ ТЕХНОЛОГИЙ И ИНТЕРАКТИВНЫХ МЕТОДОВ В ПРЕПОДАВАНИИ ГЕОГРАФИИ

[1] Мадрахимова Махфуза Ахмедовна, [2] Оринбоева Адибахан Толанбой кызы
[1]Коканский государственный педагогический институт, ассистент
[2]Коканский государственный педагогический институт, студент

АННОТАЦИЯ

В данной статье описывается интеграция современных цифровых технологий и интерактивных методов в преподавании географии. В ней представлен метод «Карта разума» и последовательность составления майнд-мэппинга на темы Африканского континента в программе EdravMindMaster.

Ключевые слова: интерактивные методы, методика обучения географии, метод «Карта разума», современные цифровые технологии, интеграция, качество образования, мыслительный процесс, идеи.

The level of development of modern digital technology is closely connected primarily with the intellectual potential of society, that is, with the development of the education system. At present, the issues of the content of education and its quality are considered as priorities in the education system. Both developed and developing countries of the world pay special attention to the informatization of education, i.e. the introduction of new information technologies in education. In these countries, we can observe a wide use of modern information technologies to improve the quality of education. Indeed, the use of information technologies and modern educational technologies in education sets the stage for improving the quality of education to higher levels.

Widespread use of the achievements of science and innovation in the global education system, consistent and sustainable development of all spheres of society and the state serve as an important factor in building a decent future for the country. High professional competence, competitive staff training, innovations in education, widespread implementation of modern, interactive and creative learning styles play an important role in the development of students' abilities to scientific research based on such indicators as motivational, cognitive, operational, reflective and self-assessment [1].

A great deal of attention is currently being paid to the sphere of education. At the same time, the strategy of actions for the further development of the Republic of Uzbekistan, developed under the direct leadership of President Sh. M. Mirziyoyev, can lay down the main ideas of further improvement of the system of continuous education, development of the policy of training qualified personnel and strengthening the material and technical base [1].

Education is a key factor in reforming society and transforming it into a society more open to the outside world and oriented toward new technologies and knowledge. It predetermines and determines not only the perspective of society's development, but also the individual activity of each person.

In order to improve the quality of education in recent years, interactive methods are effectively used throughout the education system. At the same time, the integration of especially interactive methods with modern technologies yields more effective results. Of these, "Mind map" - A graphic method of presenting information in the process of thinking in a human-readable form-logical and associative diagrams. The mind map reflects the thought process. When the process begins, one thought generates others. Any idea can develop infinitely in almost all directions. A basic idea includes several larger ideas, each of which, in turn, is defined in the form of even smaller ideas. Each small idea is inextricably linked to a certain global idea. They can all be described by [2]. In other words, the Mind map method is capable of producing a guaranteed final result:

– presentation of new knowledge in lecture classes (collectively);
– testing, consolidation of knowledge in practical classes (in small groups);
– Development of creative work skills, logical thinking in independent learning (individually).

Stages of the perception map method:

1. Brainstorming. It is aimed at finding a topic for reflection, that is, the main theme. Usually in the center of the card is a specified topic, information.
2. Stuffing. When the main idea is defined, it is necessary to identify the main themes associated with it. They should have short names and create a hierarchy of cards. If the categories are too abstract, you should attach images to them: this creates associations and allows ideas to spread quickly. The second level of the map is where themes, ideas, begin to be created. Themes presented on the second level should consist of one or two words.
3. Clarification. The third and subsequent levels are a process of refinement of ideas. Here you can use descriptive phrases, notes, and references, as well as linking map elements to one another. For example, you can make connections between different ideas, notes, and references at different levels. This enriches the map logically.

Mind maps can be created on paper or in mobile apps. It is less convenient to draw by hand, as the Nets shift and change a lot in the process of completing and refining the mind map. With today's technology, you can visualize material on a mind map, supplement it with audio or video content, and move all these elements around.

Some popular Mind map applications are: edravmindmaster, Bubble.us, Google, FreeMind, iMindMap, MindManager, Mindomo, Popplet, SpiderScribe, XMind. The perception map helps to process and structure the information received during the lesson.

It also helps to activate associative thinking, allowing you to see important facts that have been missed in traditional analysis. The perception map allows you to gather all the material on one topic, consider all aspects, and see the commonalities.

Below we have given an example of using EdravMindMaster, an application for creating Mind maps, to implement the principles of exhibitionism when providing theoretical knowledge on subjects related to the African continent from the discipline of "geography". To do this, the program is first launched (Fig.1).

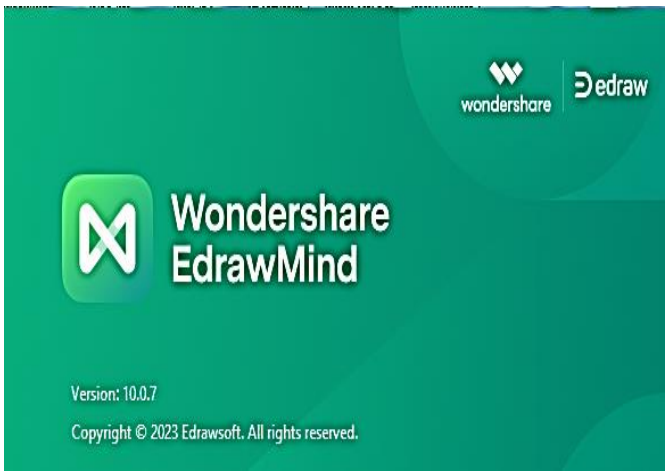

Figure 1. Appearance of EdravMindMaster program.

From the "New" section select the appropriate topic maps from "Blank templates" (Fig.2).

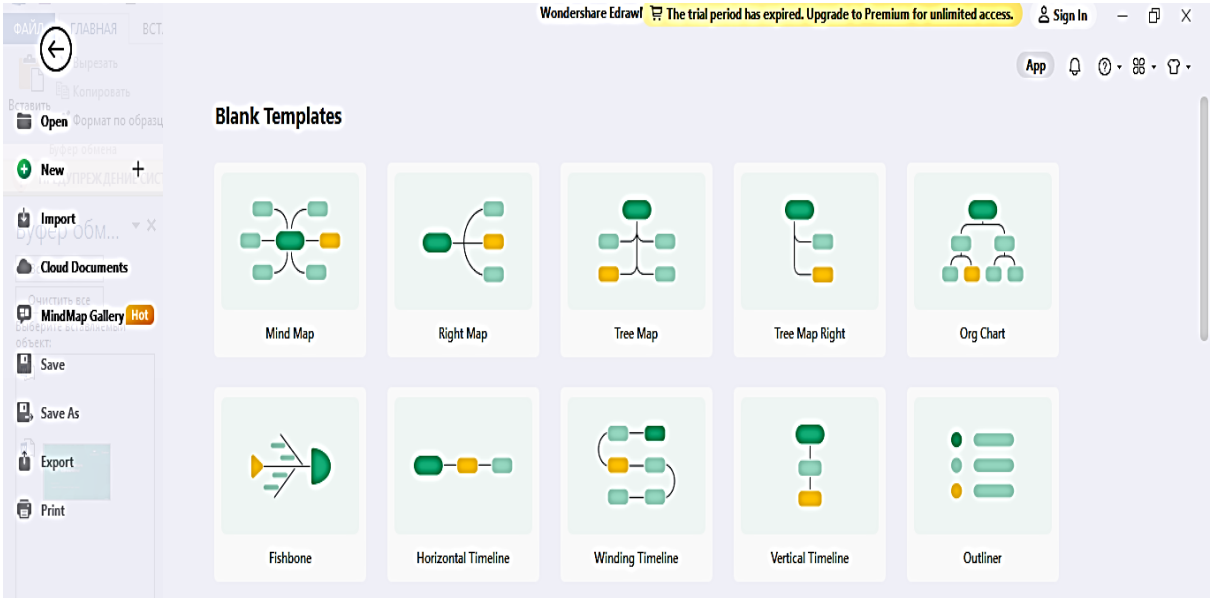

Figure 1. The appearance of the "Blank templates" section.

The main idea "Africa" and related main themes are filled in the necessary sections and the corresponding pictures are attached to them (Fig.3).

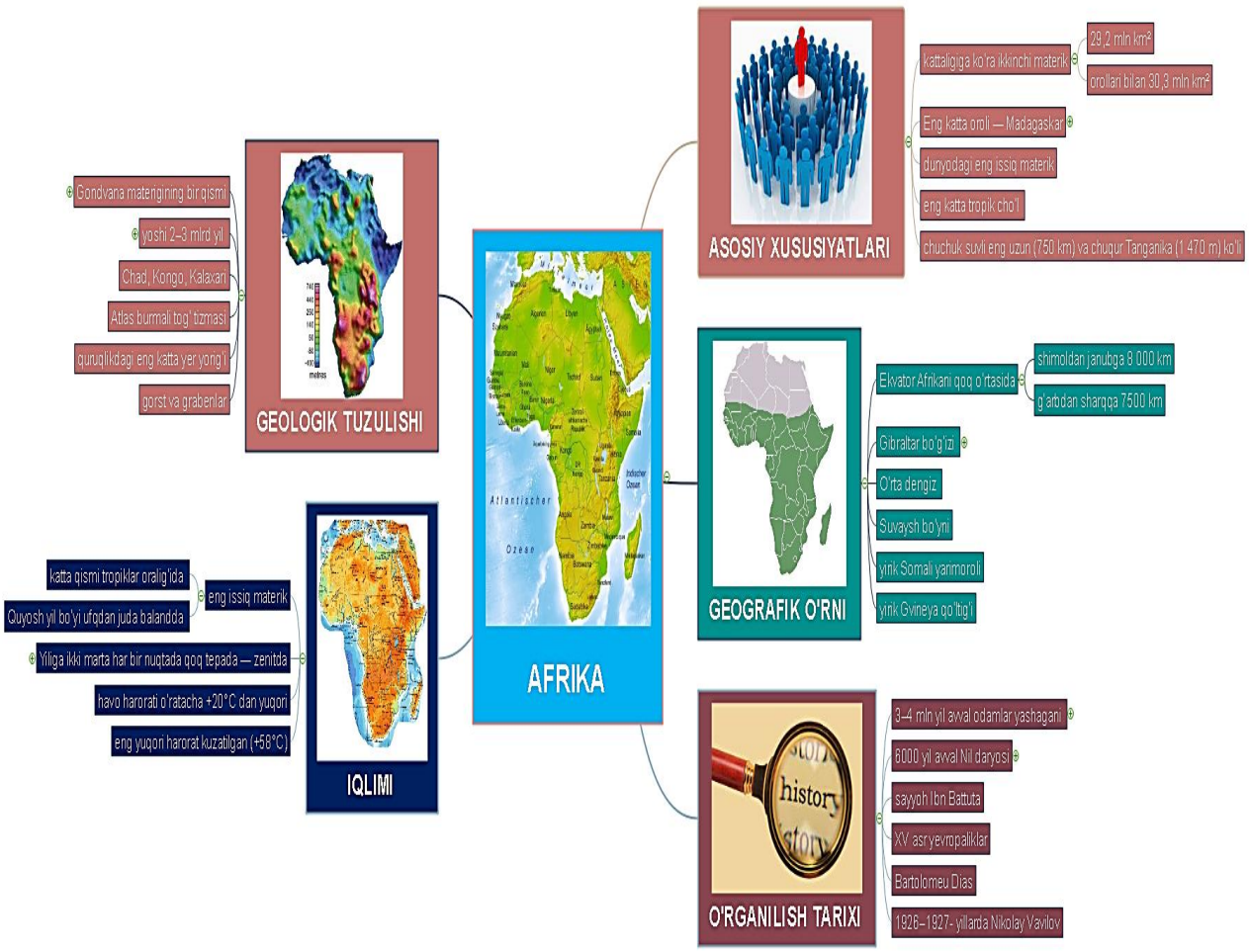

Figure 3: "Africa"- mind map of the main idea (as an example).

The expedient, purposeful, effective use of interactive methods by teachers in the process of teaching and upbringing serves to create broad opportunities for educating students in communication, the ability to conduct collective activities, think logically, synthesize, analyze existing ideas, find logical connections between different points of view. The optimal way to increase the effectiveness of training in modern conditions is the organization of training with innovative methods and their use in the educational process.

USED LITERATURE

1. O‘zbekiston Respublikasi Prezidentining 2017-yil 7-fevraldagi «O‘zbekiston Respublikasini yanada rivojlantirish bo‘yicha Harakatlar Strategiyasi to‘g‘risida»gi PF-4947-son Farmoni. – O‘zbekiston Respublikasi qonun hujjatlari to‘plami, 2017 y., 5-son, 70-modda, 20-son, 354-modda, 23-son, 448-modda.
2. Informatika va axborot texnologiyalari. 9-sinf: O‘qituvchilar uchun o‘quv-metodik qo‘llanma. M. R. Fayziyeva, D. M. Sayfurov. – Toshkent: Tasvir, 2020. – 112 b .
3. Geografiya. Umumiy o‘rta ta’lim maktablari 7-sinflari uchun darslik. M.Mirakmalov va boshqalar. Toshkent. Respublika ta’lim markazi. 2022 yil.
4. Abdunazarova, Dilfuza Tukhtasinovna, Maxfuza Madraximova, and Shuhrat Madrahimov. "SOLVING EQUATIONS IS FOUNDATIONAL FOR MIDDLE AND HIGH SCHOOL MATH." Scientific Bulletin of Namangan State University 3.5 (2021): 7-10.
5. Axmedovna, Madraximova Maxfuza, Turdaliyev Sodiqjon Muminjonovich, and Abduraxmonov Dilmurod Akramaliyevich. "CORRELATION COEFFICIENT AS A MATHEMATICAL SOLUTION OF ECONOMIC ISSUES." INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT, ENGINEERING AND SOCIAL SCIENCES ISSN: 2349-7793 Impact Factor: 6.876 16.06 (2022): 72-75.
6. Shukurovich, Madrahimov Shuhratjon, and Madrahimova Mahfuza Ahmedovna. "Measures For Monitoring And Evaluation Of Power Activity In Higher Education." JournalNX: 423-426.
7. Madrakhimov, Shukhrat Shukurovich, and Mahfuza Akhmedovna Madrakhimova. "A HERO WHO SAW THE WAR!." 75-летию Победы Великого народа посвящается: Люди. События. Факты. 2020.
8. Madrakximova, Mahfuza Akxmedovna, and Maftuna Islomjon qizi Yakubjonova. "CRITERIA OF MONITORING AND EVALUATION FOR EDUCATIONAL ACTIVITIES." Scientific Bulletin of Namangan State University 1.6 (2019): 346-347.
9. Shukurovich, Madrakhimov Shukhratjon, et al. "OPPORTUNITIES TO DEVELOP STUDENTS'TEXT WORKING COMPETENCIES IN LECTURE LESSONS." Galaxy International Interdisciplinary Research Journal 10.11 (2022): 799-803.
10. Ugli, Muydinjonov Ziyodjon Rafiqjon, et al. "ORGANIZATIONAL FORMS OF COMPUTER SCIENCE EDUCATION." Galaxy International Interdisciplinary Research Journal 10.11 (2022): 790-794.
11. Ugli, Muydinjonov Davlatjon Rafiqjon, et al. "USE OF REMOTE TECHNOLOGIES IN TEACHING COMPUTER SCIENCE." Galaxy International Interdisciplinary Research Journal 10.11 (2022): 785-789.

12. Akhmedovna, Madrakhimova Makhfuza, et al. "Relationship of Quaternions and Vector Algebra." Texas Journal of Engineering and Technology 15 (2022): 68-71.
13. Ummatova, Mahbuba, et al. "INNOVATIVE TOOLS FOR EVALUATING STUDENTS'KNOWLEDGE AND SKILLS IN MATHEMATICS LESSONS." Евразийский журнал академических исследований 3.4 Part 4 (2023): 129-132.