



IT-BASED METHODOLOGY OF STUDENTS' EXTRA-CURRICULAR ACTIVITIES IN GEOGRAPHY

A. B. Janzakov

Doctor of Philosophy (PhD) in Pedagogical Sciences, associate professor v.b., Tashkent State Pedagogical University named after Nizami

A. U. Eshnazarova

2nd stage student of Tashkent State Pedagogical University named after Nizami

A. Berdiev

4th stage student of Tashkent State Pedagogical University named after Nizami

Article history:	Abstract:
Received: 28 th April 2023	This article presents the content of extracurricular activities of schoolchildren in geography. The goals and objectives implemented on the basis of information technology tools, in particular, information about the natural-geographical structure and natural resources of Central Asia and Uzbekistan, were also studied.
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Along with teaching methods, methods and tools, extracurricular activities are also important in improving the effectiveness of geography education in general education schools. Extracurricular educational activities are the organization of various extracurricular activities by teachers and parents, creating the necessary conditions for the socialization of their personality.

It is known that the content of extracurricular activities in geography is determined by knowing the goals and objectives of the activities, in particular, information about the natural geographical structure and natural resources of Central Asia and Uzbekistan. "During these extracurricular activities, students will strengthen the theoretical knowledge acquired in class, acquire practical skills and competences." They will also have the opportunity to learn morphological, physiological, geographical concepts independently. In this regard, P. U. Bayramukova expresses the following opinion: the most important task of the school is to educate the young generation, develop their skills and apply them to life. Therefore, there is a need to improve the methodology of increasing students' interest in reading. It depends on how to organize the educational process, taking into account the level of preparation of the lesson, interests, individual and age characteristics of each student, emphasizing the usefulness of one or another form of extracurricular work. If all these points are taken into account, then it is possible to achieve high results for the student's education outside the classroom [1.].

According to A.G.Abdullayev, Q.D.Polatova, M.G.Abdullayeva, the success of extracurricular activities depends on their proper organization. In order to effectively organize extracurricular activities in general education schools, including geography, it is necessary to pay attention to the following [2.]:

- to be in accordance with the goals and requirements of the development of the society;
- general education should be connected with the general curriculum of the school;
- taking into account the personal abilities and psychophysiological characteristics of students and combining various methods and forms;
- to create a specific system of students' self-control;
- providing educational resources designed to increase students' interest.

These specified requirements can be effectively organized using information technology tools. With the help of these tools, there are the following series of problems in the effective organization of extracurricular educational activities of general education school students:

- Creating an informational educational environment on the Internet aimed at increasing students' interest;
- creating an online self-assessment system taking into account the psychological and psychophysiological characteristics of students;
- development of an improved mechanism of independent education using pedagogical software tools.

It is felt that the above-mentioned problems exist in the effective organization of extracurricular activities of geography education in secondary schools. In most cases, he learns a lot of knowledge about geography in extracurricular activities. Therefore, it is necessary to develop a method of using interactive modern educational tools that allows for effective organization of extracurricular educational activities of geography education in secondary schools. This, in turn, means that there is a need to use information technology tools.

Educational portals and platforms serve as an important pedagogical software tool in the effective organization of geography extracurricular activities based on information technology tools. The main purpose of using the electronic educational resources placed in them is to form a modern information-educational method, to effectively organize independent educational activities by using modern information and pedagogical technologies [3.]. Therefore, in order to effectively organize extracurricular educational activities in geography, information was created from the educational portals eduportal.uz, rtm.uz under the auspices of Public Education, and within the framework of the research, at <http://geografiya-7.uz/> It is necessary to improve the mechanisms of using the lim platform. This information refers to the forms of organizing extracurricular educational activities organized with the help of the educational environment, including clubs, examinations, competitions, debates, meetings, various types of games, exhibitions, trips, and so on. should be integrated into such [4.]. Therefore, the extracurricular activities of general education school students in geography can be seen as an example of the structure of teaching with the help of information technology tools and educational portals and platforms (see Figure 1)

Organization of extracurricular educational activities

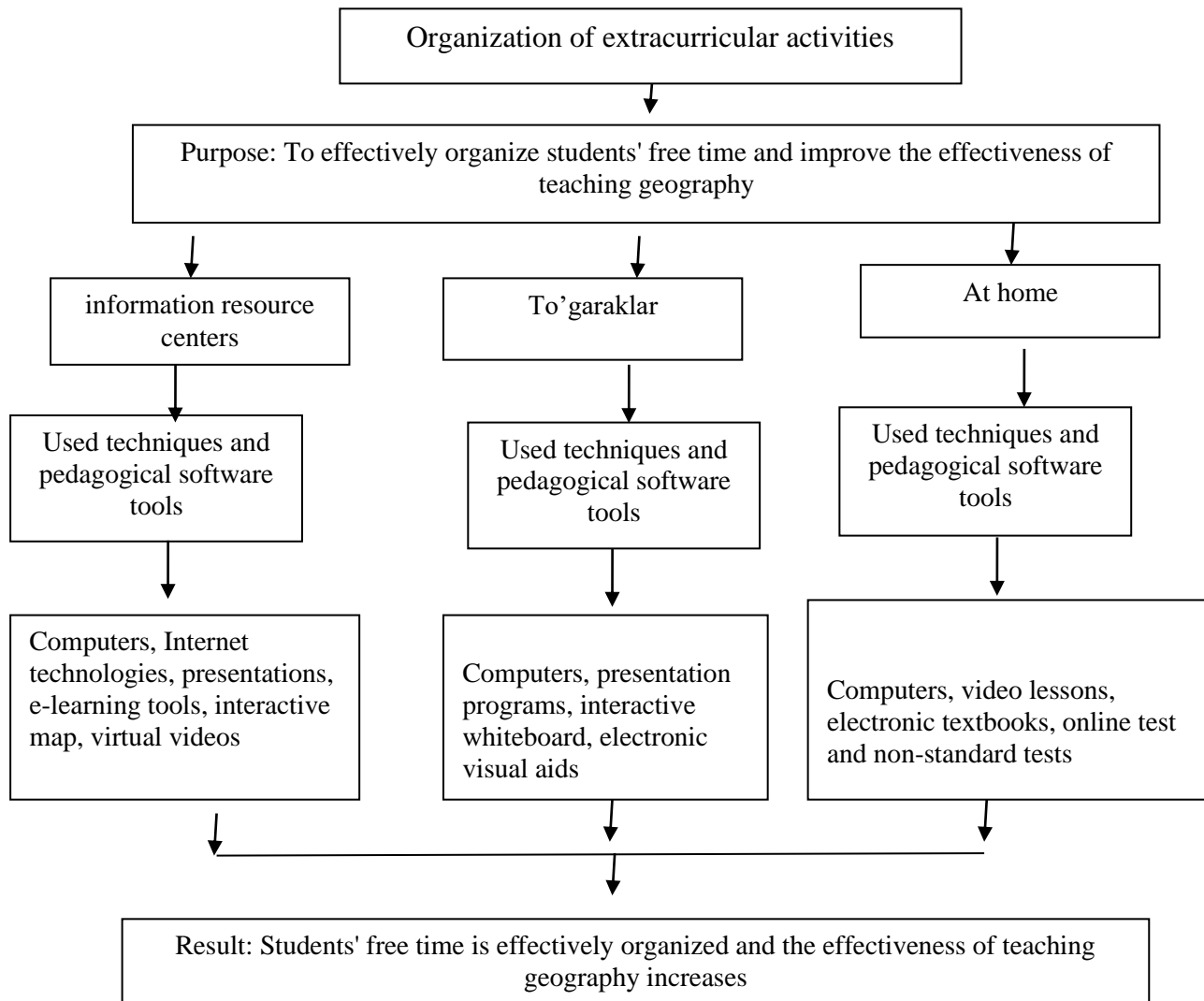


Figure 1. The structure of the organization of extracurricular educational activities in geography

The use of information resource centers allows students not only to increase their interest in the subject, but also to strengthen their knowledge of the subject, how to find information on the subject, and how to properly use computer technology. will have information. Also, he will have skills and competences related to searching for information on the Internet, using e-mail related to his work.

Information resource centers are a high-quality opportunity for students to write independent reports, reviews, and essays. It also makes it possible to reduce the time needed to find information using computer programs. The more computer technologies and practical programs are used in the educational process of geography, the deeper it realizes the infinite scope of its application. Young schoolchildren conduct practical training with great enthusiasm. Therefore, the younger their age, the more time is allocated to perform practical tasks. During the lessons, the load should correspond to the capabilities of the members of the circle to ensure the students' employment throughout the lesson. Young students get tired quickly in the process of completing these tasks, so the

leader should think in advance how to equip the classes and diversify it. Theoretical materials are usually given at the beginning of the lesson. A new topic or a task should be explained in a simple and reasonable way, making it possible to use it effectively with the help of educational information created in visual form.

Constantly developing the students' interest in the lesson, the teacher tries to choose a type of interaction where there is an opportunity for an independent creative approach to processing models or creating new examples. Providing students with as much independence as possible, the leader should simultaneously guide the creative activities of the group members, develop the ability to choose a topic, think about how to make a product on a specific material, and help solve a problem. Therefore, the following stages should be implemented in the organization of circle classes in the geography education process of general education schools:

1. Study and formation of educational tasks. This stage should be aimed at studying the characteristics of schoolchildren, effectively influencing education and identifying the most important educational problems for the situations that arise in the classroom.

2. Modeling educational activities outside of school, that is, the teacher creates an image of a certain form in his imagination.

Depending on the tasks, leaders of classroom circles often use different teaching methods (verbal, visual, practical) that combine them. It is appropriate to use presentation programs, interactive whiteboards, and electronic visual aids in visual education.

At home, it is considered appropriate to use electronic educational resources, online systems that evaluate and monitor students' knowledge, for parents to complete homework assignments with their children. If the student does not understand some parts of the lesson, he will have the opportunity to understand with the help of video lessons and electronic textbooks. Also, the student will have the opportunity to independently evaluate his knowledge several times in his free time. For this, it is necessary to create an informational educational platform on the Internet and to form suitable educational resources and teach them how to use them.

According to A.G.Abdullayev, Q.D.Polatova, M.G.Abdullayeva, their interest in geography is mostly related to how effectively extracurricular activities are organized. During the extracurricular activities, various live and visual (videos, virtual educational resources, movies) excursions will increase their interest in this subject and their knowledge, skills, and abilities. Therefore, we recommend using the tasks related to the organization of topics in the 7th grade geography on the basis of information technology tools and the independent completion of educational tasks in the order indicated in tables 1 and 2.

Content and information of extracurricular activities

Possibilities of using technologies (in the example of the natural geography of Central Asia and Uzbekistan)

Table 1

T/R	Assignments and recommendations for extracurricular activities	Technical and electronic educational tools used in information resource centers	Technical and electronic educational tools used in circles	Technical and electronic educational tools used in mental conditions
1.	An understanding of the natural geographical region of Central Asia, its location and borders, as well as its political map	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
3.	Geographical maps, their conventional signs, topographical maps and their use	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
4.	Time measurement. Time zones. Geological structure of Central Asia. Geological chronology, history and fossils of Central Asia	Computers, interactive map, calculation applications	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online tests and non-standard tests, calculator applications
5.	The main features of the structure of the earth's surface	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
6.	Climate of Central	Computers, Internet	Computers,	Computers, video

	Asia. Factors affecting the climate, climatic differences. Air masses. cyclone and anticyclones	technologies, interactive map	presentation programs, interactive whiteboard, electronic visual aids	lessons, electronic textbooks, online test and non-standard tests
7.	Description of the country's climate. Plain climate	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
8.	Concepts of Central Asian waters, lakes and reservoirs and groundwater, soils, desert, hill, mountain and pasture plants, lakes and regions, animal world, their protection to do	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
9.	Geographical location, borders and mineral resources of Uzbekistan area	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
10.	Internal waters and water resources, lakes, reservoirs and groundwater of Uzbekistan, their use and soil, vegetation, animal world, natural resources and their protection	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
11.	Natural geographical regions of Uzbekistan	Computers, Internet technologies, interactive map	Computers, presentation programs, interactive whiteboard, electronic visual aids	Computers, video lessons, electronic textbooks, online test and non-standard tests
12.	Climate, water, soil and fauna of the regions and natural geographical district of Arol	Computers, Internet technologies, interactive map	Computers, videos and travel arrangements	Computers, video lessons, electronic textbooks, online test and non-standard tests

To effectively organize extracurricular educational activities of students based on information technology tools, use the electronic educational resources listed in Table 1 from educational portals eduportal.uz, rtm.uz, and within the framework of research, <http://geografiya-7>. We recommend using the educational information platform created at uz/. In doing so, the following positive results can be achieved: it improves the knowledge, skills and abilities given in the lesson; creates an opportunity to learn science independently; ensures productive use of the student's free time; creates an opportunity to self-assess online knowledge; provides remote education to students-young people who could not attend classes due to some reasons and have limited opportunities.

After using the above-mentioned information learning environments in geography extracurricular activities of general education school students, they are given tasks to be performed with the help of practical computer programs to increase their creative thinking (see Table 2).

To carry out independent educational tasks in geography with the help of practical computer programs recommendations (in the example of the natural geography of Central Asia and Uzbekistan)

Table 2

T/r	Subjects to be followed	Software tools used
1.	Draw a map of the natural geographical region of Central Asia and their conditional symbols	Paint
2.	Preparation of a presentation on the history and fossils of the Central Asian region	Microsoft Word
3.	Preparation of a presentation on the structure of the Earth's surface	Microsoft Word

4.	Preparation of presentations on the climate of Central Asia	Microsoft Word
5.	Draw lakes, reservoirs and rivers in Central Asia	Paint
6.	Prepare a presentation on Central Asian soils, deserts, hills, mountain and pasture plants, lakes and regions, animal world and nature zones and their protection	Microsoft Word
7.	Draw the territory of Uzbekistan	Paint
8.	Preparing a presentation about Uzbekistan's climate, seasons and climatic resources, geological structure, minerals	Microsoft Word
9.	Draw the location of rivers and lakes in Uzbekistan	Paint
10.	Preparation of a presentation on the soils, plants, animal world, natural resources of Uzbekistan and their protection	Microsoft Word
11.	Draw the location of regions in Uzbekistan	Paint
12.	Preparing a presentation on the climate, water, soil and fauna of the regions	Microsoft Word
13.	Preparation of a presentation on the natural geographical district of the island	Microsoft Word

In conclusion, the use of electronic educational resources recommended for mastering the topics listed in Table 1 in geography extracurricular educational activities of students will ensure perfect learning of this subject. After mastering these topics with the help of electronic educational resources, he performs the tasks listed in Table 1.2 with the help of computer applications. As a result, he tries to independently search for information, pictures and drawings about the structure of the borders of Central Asia and our Republic, draw the location of rivers and lakes and prepare presentations about them. It helps to increase the student's interest in science, expand the scope of thinking, and provides the integration of computer science and geography. As a result, interdisciplinarity is ensured and creative thinking increases.

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