

# ELECTRONIC EDUCATIONAL RESOURCES USED IN TEACHING GEOGRAPHY AND THEIR ADVANTAGES

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**Annotation.** This article analyzes the importance and possibilities of using electronic educational resources in teaching geography. It examines ways to effectively convey geographical knowledge to students using modern educational technologies and platforms. In addition, it discusses the advantages of electronic resources, their role in the teaching process, and their contribution to the study of geographical knowledge in real life.

**Keywords:** Geography, e-learning resources, interactive learning, Google Earth, ArcGIS, modern, student, educational technologies

## INTRODUCTION

The rapid development of information technologies has significantly changed the education system. Geography is one of the disciplines that includes not only theoretical knowledge, but also the study of different regions of the world and the possibilities of practical application. The need to use modern electronic educational resources for effective teaching of knowledge in geography is increasing. These resources make the learning process interactive, interesting and rich in information.

## LITERATURE ANALYSIS AND METHODOLOGY

In the current era of globalization, real-time learning via the Internet is considered one of the fastest growing types of learning. E-learning allows for the possibility of teaching and learning at a distance without any obstacles. Experts say that the effectiveness of real-time distance learning is higher than that of traditional education (Means, Toyama, Murphy, Bakiya, & Jones, 2013). The use of video lectures in real-time distance learning is the most effective teaching method. For example, Wang (2008) reported that after studying medicine in Taiwan for 10 years, he improved medical care among the population using online medical video lectures. Another example is Chung Ang University in Seoul, the capital of South Korea, which has an online electronic classroom (e-class) for each subject. A student who has registered for the course will also have access to the “e-class”. This “e-class” contains not only presentations made in the Microsoft Power Point program, but also video lectures and homework assignments. A student who could not attend the class for some reason or could not master the lesson well can enter the “e-class” and use video lectures. This certainly increased the efficiency of learning and provided students with the opportunity to gain knowledge about the subjects.

## DISCUSSION AND RESULTS

Nowadays, with the rapid introduction of information and communication technologies (ICT) into the educational process, it remains one of the most important factors in increasing the efficiency of education and is expected to remain so in the future. Therefore, research aimed at the effective use of computer equipment and modern information and communication technologies in the education system of developed countries is ongoing and continuous.

Electronic educational resources (ETR) - electronic education, which is defined in the state educational standard and subject program, provides the formation of knowledge, skills, qualifications and competencies, ensures guaranteed results based on the comprehensive design of the educational process using electronic means, provides independent knowledge acquisition and learning, and implements control, and is aimed at developing the creative abilities of students - methodological resources, didactic tools and materials, multimedia electronic educational resources, assessment methods and criteria.

The advantages of electronic educational resources are many. Electronic educational resources used in teaching geography have a number of advantages. In particular, with the help of electronic resources, students have the opportunity to work with maps, participate in interactive tests and simulations. Satellite images, 3D maps and animations make it easier to explain and understand complex geographical processes. Students can study geographical topics at a convenient time and place for them. The Internet provides access to resources rich in information about different regions of the world and their geographical features. The wide and effective use of these advantages in the educational process plays a major role in improving the quality of education and in-depth mastery of the subject.

The advantage of modern electronic educational resources is, first of all, the independent, active and effective organization of the learning process by students. The introduction of electronic educational resources into the educational process, along with the presentation of a complete picture of information on the subject, allows students to independently master the educational material, individualize teaching, control and self-control, that is, it helps to increase the effectiveness of the educational process. In addition, the advantage of modern electronic educational resources is that the student freely receives the educational information provided, assimilates it according to his individuality, while the teaching function of the teacher passes to the student himself. In this case, the teacher only supports the student, helps to effectively use the flow of educational information and solve the problem by providing the necessary instructions in solving the problems that arise.

The following main platforms and tools can be used in teaching geography:

1. Google Earth: A platform that allows you to view, search, and travel around world maps. Students gain a better understanding of the location and characteristics of geographic objects by visually studying them. This platform provides innovative approaches to teaching geography. With the help of the Google Earth platform, students will be able to easily analyze not only traditional maps, but also satellite images. As a scientific innovation, this tool will help students further develop their skills in visualizing and using geographic objects in practice.

2. ArcGIS Online: A platform designed to learn to work with geographic information systems (GIS). With this tool, students can develop skills in analyzing geographic data and creating maps. The ArcGIS Online platform provides the ability to manage and visualize geographic information. With this tool, students learn to apply GIS technologies in practice, which creates an opportunity to combine science and practice in teaching geography.

3. Kahoot and Quizizz: Interactive and gamified knowledge assessment platform. Used to reinforce geography knowledge and motivate students through online quizzes. Allows you to create fun tests and quizzes for students. As a result, students experience less boredom and increase activity.

4. National Geographic Education: A platform that provides educational materials and resources on various topics. This platform covers various topics in geography and provides a wide range of educational materials. The scientific novelty of these resources is that they contain the latest research and data. This information is presented in a very beautiful and visual way. This can lead to effective learning for students.

5. World Atlas: Through this resource, students can study world maps, geographical locations of countries, and statistical data. This atlas will be useful for 9th grade students to master the course of world economic and social geography. Because by viewing and using the map of the country they are studying, they will connect the map of that country and information about the country. As a result, a vivid image of the country is formed and their knowledge is strengthened.

6. EarthViewer: This mobile application allows students to interactively observe the history of the Earth, the changes in the continents and oceans. This application is very important for students in grades 6-7, allowing them to expand their understanding of the geochronology of the Earth, the continental drift hypothesis of the continents.

7. UN Data: A database provided by the UN, which contains economic, environmental, demographic and other types of geographical data. This type of data creates conditions for students to gain accurate statistical knowledge about a specific area.

8. Khan Academy: This platform has videos on subjects such as geography and ecology that help students understand the topics better. These videos present information to students in an interactive, interesting, and engaging way. Students will further enrich their knowledge using this platform.

The practical aspects of using electronic resources in teaching geography include the following:

- Lesson planning: Teachers can organize lessons more effectively using electronic resources. For example, explaining a topic using maps and satellite data. Conducting a lesson by choosing an electronic resource that is appropriate for the topics included in the lesson plan increases the activity of students and teachers and makes the lesson process more meaningful.

- Fieldwork: With the help of electronic platforms, students are given the opportunity to simulate real-life research work. This is useful for finding solutions to problems that students will encounter in their daily lives in the future. For example, if a student visually sees what a target acquisition operation looks like while standing still, they will face fewer problems in applying it in practice.

- Geographic Data Analysis: Using GIS tools, students learn to visualize and analyze geographic data. In the process, students develop their logical and analytical thinking skills.

## CONCLUSION

The use of electronic educational resources in teaching geography is becoming an integral part of the modern educational process. These resources make the learning process more effective, interactive and interesting. They also provide students with the opportunity to apply theoretical knowledge in practice. In order to develop geography and improve the quality of its teaching, it is necessary to effectively use modern technologies.

It is necessary to know how to use modern information and communication technologies in the processes of accumulating large amounts of information in various fields, creating a unified information space, storing, processing, and transmitting them. In this regard, various computer programs designed to conduct the educational process are being used in the education system, and their number is increasing day by day. Electronic educational resources allow you to combine almost all information materials into a single information complex. In addition, they provide the necessary interactivity, visuality, mobility, compactness, and low cost of reproduction, multi-variant, multi-stage, as well as a large number of tasks, situational questions, cases, and tests to test knowledge and skills, and they are updated periodically. We will not be mistaken if we say that this corresponds to the principle of accuracy and modernity of education.

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