

WAYS OF USING MODERN EDUCATIONAL TOOLS IN GEOGRAPHY EDUCATION

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Abstract. In modern times, geography is not limited to the study of maps and atlases; rather, it is a subject intimately connected with various disciplines, necessitating the extensive use of modern technologies to enhance the learning process, making it both interesting and effective. This article analyses the importance of utilising contemporary educational tools and methods in geography lessons.

Keywords: Geography, education, teaching, interactive, interactive games, knowledge, skills, competence.

Modern technologies play a crucial role in geography education. In this context, students develop key characteristics such as visualisation and interactivity. Specifically, visualization simplifies the understanding of complex geographical concepts through the use of interactive maps, 3D models, and videos. In terms of interactivity, students can actively engage in the learning process by analysing data, conducting virtual experiments, and communicating with their peers. The Internet offers access to the latest geographical information, enabling students to explore contemporary issues and trends. Additionally, engaging and interactive tasks enhance student interest and make the learning process more effective.

The use of digital tools in geography education is currently regarded as one of the most popular areas. This facilitates the creation and analysis of maps using geographic information systems, modeling various geographical processes, and addressing practical problems. For instance, one can develop an air pollution map for their city using data from weather stations and ascertain the current, past, and future conditions of the agricultural sector based on agro-climatic information from hydrometeorological stations.

Virtual tours: They allow you to visit different places in the world without leaving the classroom. For example, consider a virtual tour of the historic center of

Rome. In this case, students develop knowledge and skills on the subject by viewing pictures or videos of a virtual tour of Rome. At the same time, it is possible to embark on a virtual trip to different corners of the world through various platforms on the Internet. This helps to foster a geographical imagination in students.

Table 1.

Modern Educational Tools and their applications in Geography Education

Tool	Application in Geography	Benefits
Geographic Information Systems (GIS)	Mapping land use, population distribution, climate patterns	Enhances spatial thinking and data analysis
Interactive Whiteboards	Displaying dynamic maps, virtual field trips	Increases engagement and interactivity
Online Simulation Platforms	Earthquake modeling, climate change simulations	Provides experiential learning
Augmented Reality (AR) Apps	Visualizing topography, historical landscapes	Offers immersive and hands-on learning
Remote Sensing Imagery	Analyzing satellite data for urban growth or deforestation	Develops analytical skills with real-world data
Virtual Learning Environments (e.g., Moodle)	Delivering quizzes, assignments, and interactive geography lessons	Supports self-paced, continuous learning

Mobile applications: These allow students to access geographic information anytime and anywhere. For example, they can be used to determine locations using GPS and study the environment. Additionally, they facilitate the organisation of group projects, the exchange of information, and discussions on geographical topics. For instance: Create a group on a social network to discuss the environmental problems of the region.

Interactive boards: They enable you to create interactive presentations, conduct quizzes, and complete group tasks. For example: create an interactive world map showing various geographical features. Video hosting sites such as YouTube offer many videos about geographical processes, natural phenomena, and the nature and culture of countries, and incorporating them into the classroom can yield positive results.

The effective aspects of using digital technologies in geography by students are the combination of traditional and modern methods. Modern technologies should not replace traditional teaching methods, but rather complement them. In an

individual approach, it is necessary to take into account the age, level of knowledge and interests of students when choosing tools and tasks. At the same time, it is necessary to constantly update knowledge and form knowledge and skills by following new developments in the field of educational technologies.

There are various ways to use Internet information in geography lessons, this method allows students and students to use online maps. You can find geographical objects, measure distances, and determine directions through online maps such as Google Maps, Yandex Maps.

For students and students to better master the subject, we can give examples of tasks that can be performed using digital technologies, such as creating interactive information within the subject. In particular:

1. Create a presentation about your country or city.
2. Create a travel itinerary using online services.
3. Analyse data on climate change in the region.
4. Create a video about natural phenomena.

In conclusion, the use of digital technologies in geography opens up wide opportunities for improving the quality of education. However, for the successful implementation of such an approach, it is necessary to carry out systematic work on the technical equipment of schools, the training of teachers, and the creation of appropriate educational materials.

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