



## EFFECTIVENESS OF USING EDUCATIONAL WEB RESOURCES IN INDIVIDUALIZATION OF EDUCATION

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**Abstract:** Today, individualization of education is one of the urgent issues. Individualization of education can be done through several means. This article discusses the use of educational web resources and their effectiveness in individualizing education.

**Keywords:** Education, innovation, integration, learner, individualization, website, use, style, approach, efficiency

**Enter.** What is individualization of education? Individualization of the educational process is a teaching method that takes into account the fact that each student actively participates in the educational process and makes a personal contribution to the learning process; in the organization of the educational process, the methodical approach of the teacher, speed, and personal characteristics of the student are taken into account; in conducting educational-methodical, psychological, pedagogical organizational management work, the personality of the student is at the center of learning and knowledge.

Principles of individualized education. Individualization is the main strategy of the educational process. Personal development is ensured through individualization of the educational process. Implementation of individualized teaching of each educational subject guarantees the expected result. The conditions for integration of individualized forms of education are created.

Individualized education - the educational process ensures quality and efficiency.

In individualized education, the acquisition of skills, qualifications, and knowledge takes place based on the interest of the student. The ability to work independently develops and improves the student's general academic skills. So, individualized education determines the quality and effectiveness of education. It is related to the student's effective engagement in independent reading, independent thinking and thinking activities in mastering the educational content. This depends on the use of interactive methods in education.

Interactive methods are such methods that implement the course of the lesson through mutual communication and interaction of students.

- the word "interactive" is derived from the English word "interact" i.e. inter, which means "mutual", "act" - "movement", influence, activity.

Lessons using interactive methods encourage the student to think creatively, to actively solve the received information, to express an opinion, to take the initiative, to find solutions to problems in groups, to work in cooperation, to express the opinion in writing.

**Discussion and results.** It is possible to demonstrate the development of the following characteristics in students during the course of interactive methods. the student is not taught, he is taught to read, learn, and work independently. In this way, students are taught to master the ability to analyze independently, to think creatively, to think freely based on personal conclusions. The ability to defend one's

position is formed. Learning skills are formed by searching, finding, and processing knowledge from textbooks, the Internet, and various other sources without giving the student ready-made knowledge.

All students in the class are guaranteed to learn at the level of their abilities. In this case, the student's ability to use the acquired knowledge in life and practical activities is determined by his skills and qualifications.

The following types of websites can be used to develop the cognitive activity of students in elementary grades:

1. Educational Games and Interactive Platforms: These sites offer students learning in a playful way.
2. High-Educational Websites: Information-rich and learner-friendly sites, such as Khan Academy, Coursera, and TED-Ed, provide students with the information they need for cognitive development.
3. Library List and E-Books: E-books give students the opportunity to learn more about various topics and help them to increase their thinking and understanding.
4. Platforms that provide interactive information: The following platforms, such as Quizlet and Kahoot, allow students to learn and take tests on various topics.

Using such websites can help students increase their understanding, develop their study skills, and express themselves.

The following terms and conditions are essential for the use of websites in elementary schools:

1. Internet Access: Students must have access to the Internet. This internet helps you to search for e-learning and information while at home.
2. Computers: Computers allow students to better learn lessons, access websites and download course materials.
3. Means of communication with the teacher: To increase communication between teachers and students, it is appropriate to use such means as e-mail, online communication and forums.
4. Essential Apps and Platforms: Google Classroom, Microsoft Teams, Zoom, Schoology, and others are used for teaching, assigning assignments, and sharing information.
5. Multimedia tools: It is important to use multimedia tools to support audio and video files, create interactive lessons, presentations and animations.
6. Internet Security Tools: It is important for students and teachers to use anti-virus software, VPNs, and internet security guides to ensure internet security.

Currently, there are many applications and websites aimed at developing the learning and cognitive activities of elementary school students. Because through these, primary school students not only organize their free time meaningfully outside the classroom, but also learn new things.

A list of websites that allow science to be used in extracurricular activities has been compiled. These websites can be used not only in extracurricular activities, but also in the classroom. Because the information on the sites complements the information in the new textbooks. Various collections of articles, pictures, videos, educational games are the main sources of sites for our topics. Here are a few of these websites:

**National Geographic Kids** - This site offers fun articles, videos, games, and projects for kids. It covers various topics in natural sciences. We may freely use the information on this site for the following purposes:

- animals: mammals, reptiles, invertebrates (didactic games, articles, videos, frames);
- aquatic inhabitants: fish, amphibians (educational games, documentaries);
- plants (pictures, articles);
- cosmonautics (games, pictures);
- knowledge of geography;
- history: history of various famous monuments (didactic games, pictures, articles);
- nature and culture: nature, culture and language of different countries (articles, pictures, games);
- practical training: uncomplicated experiments on the laws of nature, experiments that can be done at home and independently.

In addition to the above, this site occasionally publishes and sells various encyclopedia books in English. You can easily buy this book and use it in training. [National Geographic Kids] (<https://kids.nationalgeographic.com/>)

**NASA Kids' Club** is an online educational program for children created by NASA. There are information and games about space exploration and science for children. On this site we can find interesting resources mainly on natural sciences such as astronomy, geography and physics. The site mainly deals with the coverage of cosmonautics. For this reason, we have extensive information on the following topics for elementary school students, which we can use in classroom and extracurricular activities:

- Sun (NASA close-up pictures, articles);
- planets (photos, articles, educational games);
- Earth (satellite photos, articles, video lessons);
- Moon, Earth's satellites (interactive games, pictures);
- Galaxies, asteroids, meteorites;
- history of cosmonautics and cosmonauts (virtual webinars).

In addition, there are various space symbols on the site, which communicate with children and help them increase their knowledge about space. Sometimes the site hosts virtual events and webinars for kids, where kids and teachers can interact with NASA scientists and astronauts. The database on the site is constantly updated. This gives children an opportunity to stay informed about new research and news of NASA. Through these things, children will be able to organize their free time in a meaningful way, not only in class or extracurricular activities, but also while sitting at home.

**Summary.** In short, in today's modern world, we need to make maximum use of all the opportunities given to us while working with elementary school students. Because now it is impossible to interest children in our learning process with simple information. In such cases, educational websites are among the best helpers for us pedagogues. In both of the above cases, information from the website enriched the classroom and extracurricular activities. Students have access to more information through websites than in traditional classrooms. Therefore, today, organization of teaching processes through these tools is one of the pressing issues. From the given data, we can see that these tools can be easily used in the teaching process and it gives good results.

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