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**DEVELOPMENT OF STUDENTS' RESEARCH SKILLS IN THE CONDITIONS  
OF DIGITAL TRANSFORMATION**

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**Annotation:** In this thesis, we analyze the development of students' research skills in the conditions of digital transformation. Digital transformation is the development of all areas based on modern technologies. We will consider how to develop research in such conditions.

**Keywords:** research, education system, students, creativity, skills, digital transformation, individuality, strategy, specialist, abilities.

Today, digital transformation has a great impact on all spheres of social life, including the education system. The use of innovative technologies in the educational process allows developing students' creative thinking, forming research skills, and preparing them to solve practical problems. Research skills among schoolchildren are growing from year to year. Modern technologies and digital platforms provide students with a wide range of opportunities in the educational process. At the same time, digital assessment systems can be used to monitor students' research skills and identify areas for their individual development.

In this regard, our President Sh.M. Mirziyoyev issued a resolution dated February 1, 2024 "On additional measures to support the training of qualified specialists in the field of digitalization" [1] and a resolution dated September 11, 2023 "On measures for the high-quality and timely implementation of the "Uzbekistan-2030" strategy in 2023" [2].

What is digital transformation? Digital transformation is the process of widespread use of modern technologies in all spheres of society. Currently, this process is also developing in the education system. This process requires the digitization of education and the creativeness of the learning process[3]. Digital transformation helps to improve the quality of education in the education system, create more effective communication between students and teachers, and optimize the learning process through innovative technologies. This process includes personalizing education, expanding distance learning opportunities, and developing creative and research skills in students. Currently, as part of the digital transformation in our country, work is being carried out to equip schools and universities with modern technologies and increase digital literacy among teachers and students. Events such as robotics competitions play an important role in developing creative thinking and research skills in young people[4].

Digitalization in education simplifies organizational tasks while increasing the efficiency of education. It is more convenient to record and transfer information in the school electronic diary (for example, from a teacher to a student's parents and vice versa), and modern tools for universities allow us to create an individual schedule for each of



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thousands of students, digitalization makes education more convenient for schoolchildren and students. Thus, while students are in the classroom with a teacher and connect remotely from home, hybrid learning options allow schoolchildren and students not to miss lessons when they cannot physically attend (for example, due to illness). When digital technologies are used along with the usual classroom format, blended learning options help to further individualize learning: to make topics and activities more difficult for gifted students, and to help weaker students work out the most difficult topics for them.

Currently, there are clubs in various subjects in schools, such as "Young Literary Scholar" in literature, "Interesting Mathematics" in mathematics, and "Young Scientists" in physics. If "Young Researcher" clubs are opened in each school along with these clubs, it will help develop research knowledge and skills in children. Through this, students will not only gain theoretical knowledge, but also develop practical research skills.

By creating opportunities for students to conduct research and activities in areas of interest to them, their scientific and research abilities can be increased. This is one of the main factors in providing our country with a generation with high intellectual potential in the future. Based on the above, we can conclude that modern technologies, research, digital platforms, and various clubs can serve as effective tools to increase the potential of students in schools. As stipulated in the presidential resolutions and strategies, it is necessary to implement all necessary measures to develop digitalization. We need to send talented students to study abroad and apply foreign experience in our own country.

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