



# The Importance and Necessity of Using Digital Technologies in Improving the Quality of Education in Comprehensive Schools

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**ABSTRACT**

In today's rapidly evolving world, integrating digital technologies in comprehensive schools has become beneficial and necessary for improving the quality of education. These technologies offer many advantages that enhance students' learning experience and streamline educators' administrative tasks. It will discuss the importance and necessity of using digital technologies to improve the quality of education in comprehensive schools.

**Keywords:**

Personalized learning, access, collaboration, communication, education, digital technologies, comprehensive school, learning experience

Sustainable development includes social well-being, which depends on education. Information technology has emerged to spread shared knowledge and is a primary driving force behind education reforms. Traditional classroom instructions fall short of providing an immediate learning environment, faster evaluations, and more engagement. In contrast, digital learning tools and technology fill this void. Some of the sciences such technologies provide are simply unrivaled by traditional learning methodologies. With smartphones and other wireless technology devices becoming popular among the general public, it only makes sense that schools and educational institutions make efficient use of them by putting technology in the classroom. Indeed, today's technology's adaptability and non-intrusive character make learning more appealing to the next generation. However, it may be a formidable technique to manage initially since

traditional instructors are hesitant to include contemporary technology and gadgets in school, viewing them as a distraction rather than an intelligent learning aid. Digital technology makes it easy to stay in touch with friends, and family, and work remotely, even if you are in another part of the world. You can express yourself through words, video, audio, and exchange other media. Websites, apps, and software have all been designed to help users to socialize. To ensure a reliable extraction of information from each study and assist the research synthesis we selected the study characteristics of interest (impact) and constructed coding forms. First, an overview of the synthesis was provided by the principal investigator who described the processes of coding, data entry, and data management. The coders followed the same set of instructions but worked independently. To ensure a common understanding of the process between coders, a

sample of ten studies was tested. The results were compared, and the discrepancies were identified and resolved. Additionally, to ensure an efficient coding process, all coders participated in group meetings to discuss additions, deletions, and modifications. Due to the methodological diversity of the studied documents we began to synthesize the literature review findings based on similar study designs. Specifically, most of the meta-analysis studies were grouped in one category due to the quantitative nature of the measured impact.

Here are five compelling reasons for embracing digital technologies in comprehensive school education:

#### Personalized Learning:

Digital technologies provide a platform for personalized learning experiences. Through adaptive learning software and online resources, students can progress at their own pace. Teachers can tailor instruction to meet individual needs, ensuring that no student is left behind or held back due to a rigid curriculum.

#### Access to a Wealth of Resources:

The internet is a vast repository of information and educational resources. Comprehensive schools can leverage digital technologies to provide students with access to a wealth of educational content, from e-books and online courses to multimedia resources. This not only enriches the curriculum but also fosters independent research and critical thinking skills.

#### Enhanced Collaboration and Communication:

Digital technologies facilitate seamless collaboration among students, teachers, and parents. Virtual learning platforms, instant messaging, and video conferencing enable real-time communication, making it easier for educators to engage with students and for parents to stay involved in their child's education. Collaborative tools also encourage teamwork and project-based learning.

#### Efficient Administration:

Managing administrative tasks in a comprehensive school can be overwhelming. Digital technologies simplify administrative processes, from attendance tracking to grading and communication with parents. This

streamlines the workflow for educators, allowing them to focus more on teaching and less on paperwork.

#### Preparation for the Digital Age:

In an increasingly digital world, students must be well-versed in technology. Embracing digital technologies in education not only equips students with essential digital literacy skills but also prepares them for future careers. As technology continues to shape various industries, students who are comfortable with digital tools will have a competitive edge.

In conclusion, the importance and necessity of using digital technologies in improving the quality of education in comprehensive schools are undeniable. The digital transformation of schools involves organizational improvements at the level of internal workflows, communication between the different stakeholders, and the potential for collaboration. The digital technologies supported the automation of administrative practices in schools and reduced the administration's workload. There is evidence that digital data affects the production of knowledge about schools and has the power to transform how schooling takes place. These technologies offer a host of benefits, including personalized learning, access to resources, enhanced collaboration, streamlined administration, and preparation for the digital age. By embracing digital tools, comprehensive schools can provide a more engaging and effective educational experience for both students and educators.

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