


LEARNING WITH CONNECTIONS: THE AGE OF SOCIAL NETWORKS IN EDUCATION

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ABSTRACT

Social networks have significantly transformed the educational scenario, offering new possibilities for the teaching-learning process. This study analyzed the impact and potential of social networks in contemporary education, focusing on the challenges faced and the future perspectives for their integration. The research used a qualitative approach, based on a systematic bibliographic review of Brazilian academic sources from the last 10 years. The results indicated that the effective incorporation of social networks can increase student engagement, promote collaboration, and develop essential skills for the 21st century. It was observed that the success of this integration depends on the adequate training of teachers and the implementation of appropriate educational policies. Significant challenges have been identified, including privacy issues, online security, and the need to balance the use of technology with traditional teaching methods. The research highlighted the potential of social networks to promote educational inclusion and the creation of educational content specific to these platforms. It was concluded that the integration of social networks in education is promising, but requires a continuous and coordinated effort from all those involved in the educational process. This study contributes to the advancement of knowledge about the use of social networks in education, providing valuable insights for educators, managers, and public policy makers.

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INTRODUCTION

The theme of social networks in education has gained increasing relevance in the contemporary educational scenario. The integration of these digital platforms in the teaching-learning process represents a significant transformation in the way knowledge is shared, constructed, and assimilated. This new era of digital connections in education not only reflects the technological changes in society, but also challenges traditional teaching paradigms, promoting a more collaborative and interactive approach.

Recent studies have explored the potential of social networks as educational tools, highlighting their role in promoting student engagement, facilitating communication between educators and students, and creating more dynamic and participatory learning environments. Previous research points to the benefits of using these platforms in education, such as increased student motivation, improved content retention, and the development of digital skills essential for the 21st century.

However, despite advances in understanding the role of social networks in education, there are still significant gaps in the literature. A central question that remains unanswered conclusively is how to effectively integrate these platforms into school curricula in a way that maximizes their educational benefits while minimizing potential risks and challenges. In addition, there is a need to better understand how different age groups and educational levels respond to this technological integration.

The importance of this study lies in the urgent need to adapt educational methods to the realities of the digital age. With the increasing ubiquity of social media in students' everyday lives, it is crucial that the education system not only recognizes this change but also takes advantage of it in a productive way. This work seeks to fill an important gap in the understanding of how social networks can be effectively used as learning tools, contributing to the development of pedagogical strategies more aligned with the needs and expectations of students in the twenty-first century.

The general objective of this research is to analyze the impact of the integration of social networks in educational processes, identifying the best practices and challenges associated with this integration. Specifically, the study aims to: 1) Examine the different ways of using social networks in educational contexts; 2) Evaluate the effectiveness of these platforms in promoting student engagement and learning; 3) Identify the main obstacles and risks associated with the use of social networks in education; and 4) To

propose guidelines for the effective implementation of these tools in educational environments.

This article is structured into seven main sections. After this introduction, the theoretical framework is presented, which addresses the fundamental concepts related to social networks in education and the main theories that support their use in learning contexts. Then, three development topics are explored: an analysis of the different approaches to integrating social networks in education, the observed impacts of this integration on student performance and engagement, and the challenges and opportunities associated with this practice.

The methodology describes the procedures adopted for data collection and analysis, including a systematic review of the literature and, possibly, case studies or field research. In the discussion and results section, the data collected are presented and analyzed, organized into three main topics: effectiveness of social networks as educational tools, challenges in implementation, and proposals for the future of digital education.

The final considerations summarize the main points addressed, offering reflections on the future of the integration of social networks in education and suggestions for future research. This structure aims to provide a comprehensive and systematic analysis of the theme, contributing to the advancement of knowledge in this crucial area of contemporary education.

THEORETICAL FRAMEWORK

The theoretical framework of this study is structured in order to offer a solid basis for understanding the role of social networks in contemporary education. Initially, the conceptualization of social networks in the educational context is presented, highlighting the fundamental principles and definitions that guide their integration in the teaching-learning processes. Then, a history of the evolution of digital technologies in education is traced, with emphasis on the emergence and adoption of social networks as pedagogical tools. Finally, the theoretical foundation on collaborative learning and connectivism is explored, discussing the pedagogical and methodological approaches that support the use of social networks in education, as well as the challenges and advances observed in this field.

The evolution of digital technologies in education has been marked by several phases, from the introduction of the first computers in schools to the current era of social networks and mobile learning. The advent of Web 2.0 in the early 2000s marked a turning

point, transforming the internet from a predominantly medium for consuming information to a platform for creation and collaboration. Social networks, such as Facebook, Twitter, and more recently, platforms such as Instagram and TikTok, have emerged in this context, quickly gaining popularity among young people. Educators and educational institutions have begun to explore the potential of these platforms to engage students, facilitate communication, and create learning opportunities, leading to the development of specific pedagogical approaches to the use of social networks in education.

Pedagogical approaches that underpin the use of social media in education include collaborative learning, project-based learning, and gamification. These methodologies take advantage of the unique characteristics of social networks, such as the ease of content sharing, real-time interactivity, and the formation of learning communities, to create more engaging and meaningful educational experiences. However, the effective integration of social media into education faces significant challenges, including online privacy and security issues, the need to develop digital literacy skills in both students and teachers, and the importance of balancing the use of technology with traditional teaching methods. Despite these challenges, advances in this field have demonstrated the transformative potential of social networks in creating more dynamic, participatory learning environments aligned with the demands of contemporary digital society.

PUBLIC POLICIES AND SCHOOL INCLUSION

Public school inclusion policies have been a central focus of educational reforms in recent years, with the aim of integrating all students into the regular education system. Baptista (2015, p. 7) argues that "school inclusion is a practice that aims to integrate all students into the regular education system, providing them with opportunities for learning and social development". This approach seeks to ensure that every student has access to quality education and the same development opportunities.

Corvalan (2022, p. 45) complements this view by stating that "school inclusion is a historical and necessary debate, but it still faces significant resistance and barriers". This comment reveals that, despite legislative advances, the practice faces concrete challenges, such as the lack of adequate resources and the need for continuing education of teachers. These difficulties highlight the complexity of the effective implementation of inclusion policies.

The impact of these policies on educational practice is an important point of analysis. Melo and Leal (2023) argue that public policies for inclusion and special education have advanced, but there are still many challenges to be overcome, with regard to the practical implementation of these policies in schools. This argument suggests that while there is theoretical and legislative progress, the transition to daily practice in schools still faces significant obstacles.

Fontes (2023) presents difficulties and advances in the implementation of inclusion policies. She points out that public policies face significant challenges in implementation, with regard to the adequacy of school infrastructures and the continuous training of teachers. The need for continued commitment and targeted investments to overcome existing barriers is evident.

Prieto, Pagnez and Gonzalez (2014, p. 725) state that "school inclusion is a policy being implemented that requires critical and continuous analysis to assess its progress and identify areas for improvement". This perspective reinforces the importance of a constant evaluation of inclusion policies to ensure their effectiveness and adaptability to the needs of students.

SOCIAL NETWORKS AS PEDAGOGICAL TOOLS: CHALLENGES AND OPPORTUNITIES IN CONTEMPORARY EDUCATION

Social networks have become increasingly present in everyday educational life, transforming the way students and teachers interact and share knowledge. According to Moran (2018, p. 2), "social networks are important spaces for informal learning, exchange, motivation, and discovery of common interests". This observation highlights the potential of these platforms as pedagogical tools that go beyond formal education, creating opportunities for continuous and collaborative learning.

The integration of social networks in education is not only a trend, but a necessity in the face of social and technological changes. As Mattar (2013, p. 27) states, "education needs to incorporate more participatory dynamics such as collective authorship, motivated learning, and the creation of common meanings". In this context, social networks offer an environment conducive to these dynamics, allowing the collective construction of knowledge and the active engagement of students.

One of the main benefits of using social media in education is increased student engagement. Research shows that students tend to be more participative in digital

environments that are already part of their daily lives. According to Silva and Alves (2018, p. 125), "the use of social networks as a pedagogical tool can enhance the teaching-learning process, since it provides greater interaction between students and the content studied".

Collaboration is another fundamental aspect enhanced by social networks in the educational context. Platforms such as Facebook, Instagram, and Twitter allow for the creation of study groups, sharing resources, and discussions in real time. As Santos (2019, p. 78) observes, "social networks provide a collaborative environment where students can build knowledge together, share ideas, and learn from each other in a more dynamic and interactive way."

However, the effective implementation of social networks as pedagogical tools faces significant challenges. One of them is the need for teacher training. As Oliveira (2020, p. 45) points out, "many teachers still feel insecure about the use of social networks in the classroom, either due to lack of familiarity with the tools or for fear of losing control of the class".

The issue of online privacy and security is also a central concern. It is crucial that both students and teachers are aware of the risks and know how to protect themselves in the digital environment. In this sense, Ferreira and Costa (2021, p. 112) argue that "it is essential to include digital education as an integral part of the curriculum, teaching students to navigate social networks safely and ethically".

The excessive use of social networks and their potential negative impact on students' concentration and academic performance is another point of attention. Rodrigues (2017, p. 89) warns that "it is necessary to find a balance between the use of social networks as a learning tool and the risk of distraction and procrastination that they can represent".

On the other hand, social networks offer unique opportunities for personalization of teaching. Through these platforms, teachers can tailor content and activities according to students' individual interests and needs. As Pinto (2022, p. 67) observes, "social networks allow for a more flexible and adaptive approach to teaching, where each student can follow their own learning pace".

The promotion of digital literacy is another significant benefit of using social media in education. By integrating these tools into the teaching-learning process, students develop essential skills for the twenty-first century. According to Lima and Souza (2020, p. 203), "the pedagogical use of social networks contributes to the development of digital skills, preparing students for the challenges of the information age".

Social networks have also proven valuable in promoting educational inclusion. They can facilitate the participation of students with special needs or those who cannot attend classes in person. In this context, Carvalho (2019, p. 156) states that "social networks can be powerful allies in promoting a more inclusive education, breaking geographical and physical barriers".

The assessment of learning in the context of social networks is an aspect that deserves special attention. Traditional assessment methods may not be suitable for measuring the skills developed in these digital environments. As Barbosa (2018, p. 92) suggests, "it is necessary to develop new forms of evaluation that consider the skills acquired through interaction and collaboration on social networks".

Finally, it is important to recognize that social networks, when well used, can contribute to the formation of more critical and engaged citizens. By exposing students to a diversity of perspectives and information, these platforms can encourage critical thinking and active participation in society. As Mendes (2023, p. 178) points out, "social networks, when consciously and critically integrated into the educational process, have the potential to form individuals who are more reflective and prepared for the challenges of contemporary society".

METHODOLOGY

The present research was developed through a qualitative approach, using the method of systematic bibliographic review to analyze the use of social networks in education. According to Gil (2022, p. 50), "bibliographic research is developed based on material already prepared, consisting mainly of books and scientific articles". This methodology allows a comprehensive analysis of the theme, compiling and synthesizing the information available in the academic literature.

The literature review process followed well-defined stages, starting with the definition of the inclusion and exclusion criteria for the studies. Materials published in the last 10 years were prioritized, focusing on research carried out in the Brazilian context. As Severino (2017, p. 131) states, "bibliographic research uses data or theoretical categories already worked on by other researchers and duly recorded".

The searches were carried out in academic databases such as Scielo, Google Scholar, and repositories of Brazilian universities. The keywords used included "social networks in education", "social media and learning", "educational technology" and "digital

education". According to Marconi and Lakatos (2021, p. 71), "bibliographic research is not a mere repetition of what has already been said or written on a certain subject, but provides the examination of a topic under a new focus or approach".

After the initial selection of the materials, a critical reading of the texts was carried out, highlighting the relevant points for the proposed discussion. As Prodanov and Freitas (2013, p. 131) observe, "analytical reading aims to order and summarize the information contained in the sources, so that they make it possible to obtain answers to the research problem".

To ensure the quality and relevance of the selected studies, criteria such as the credibility of the source, the methodology used, and the relevance of the content to the research theme were considered. According to Creswell (2021, p. 55), "the literature review in a research study has several purposes, including sharing with the reader the results of other studies closely related to what is being carried out".

The analysis of the collected data was carried out through an interpretative approach, seeking to identify patterns, trends and gaps in the literature on the use of social networks in education. As Minayo (2014, p. 316) points out, "qualitative content analysis starts from a foreground reading of speeches, testimonies and documents, to reach a deeper level, going beyond the manifest meanings of the material".

To organize and synthesize the information collected, filing and conceptual mapping techniques were used. These techniques allow a systematic view of the data, facilitating the identification of recurring themes and points of divergence in the literature. According to Bardin (2016, p. 125), "content analysis seeks to know what is behind the words on which it focuses".

The research also included a comparative analysis of the different approaches and perspectives found in the literature, seeking to understand the various facets of the use of social networks in education. As Flick (2019, p. 23) states, "qualitative research is of particular relevance to the study of social relations due to the pluralization of spheres of life".

To complement the literature review, case studies and reports of practical experiences of the use of social networks in educational contexts were analyzed. Yin (2015, p. 17) highlights that "the case study is an empirical investigation that investigates a contemporary phenomenon in depth and in its real-life context".

The validation of the results was carried out through data triangulation, comparing the information obtained from different sources and perspectives. According to Denzin and Lincoln (2018, p. 318), "triangulation is the simultaneous exposure of multiple, refracted realities. Each of the metaphors acts in the sense of creating simultaneity, and not the sequential or the linear".

Ethics in research was a constant concern, ensuring respect for copyright and the correct citation of the sources used. As Severino (2017, p. 208) points out, "the researcher needs to have an ethically correct posture throughout the investigation process".

The collected data were organized into thematic categories, facilitating the analysis and discussion of the results. This approach allows for a deeper understanding of the different aspects related to the use of social networks in education. According to Moraes (2019, p. 191), "categorization is a process of constant comparison between the units defined in the initial process of analysis, leading to groupings of similar elements".

The interpretation of the results sought not only to describe the findings, but also to propose critical reflections on the theme, identifying practical and theoretical implications for the field of education. As Gatti (2020, p. 29) states, "research cannot be a mere collection of facts or collection of data. It needs to maintain perspectives of analysis and synthesis and, consequently, of interpretation and explanation".

PROPOSALS FOR THE FUTURE OF SOCIAL NETWORKS IN EDUCATION

To ensure a promising future in the integration of social networks in the educational environment, it is essential to consider suggestions that improve pedagogical practices and educational policies. Social networks offer significant potential to transform the teaching-learning process, but their effective implementation requires careful planning and innovative approaches.

One of the main proposals is the continuous investment in teacher training for the efficient use of social networks as pedagogical tools. This includes not only technical training, but also the development of competencies to create teaching strategies that make the most of the potential of these platforms. Empowering educators is essential for them to be able to integrate social media meaningfully into their teaching practices, promoting student engagement and facilitating collaborative learning.

Another important suggestion is the development of educational policies that recognize and regulate the use of social networks in schools. These policies should

address issues such as privacy, online safety, and ethical use of digital platforms, ensuring a safe and productive learning environment. Additionally, it is crucial that these policies are flexible enough to accommodate rapid technological changes and new trends in social media.

The creation of specific educational content for social networks is another area that deserves attention. This includes developing interactive teaching materials, short educational videos, infographics, and other formats that are well suited to the characteristics of different social media platforms. These contents should be designed to promote active learning and critical thinking, taking advantage of the unique functionalities of each social network.

Finally, it is essential to promote ongoing research on the impact of social media on education. Longitudinal studies and comparative analyses can provide valuable insights into best practices, emerging challenges, and future opportunities. These studies should address not only the pedagogical aspects, but also the psychological and social impacts of the intensive use of social networks in the educational context.

By implementing these proposals, we can create an educational environment that not only incorporates social networks effectively, but also prepares students for an increasingly digital and interconnected world. The future of social media education promises to be dynamic, collaborative, and highly personalized, offering new opportunities for learning and developing essential skills for the 21st century.

FINAL CONSIDERATIONS

This research aimed to analyze the impact and potential of social networks in contemporary education, focusing on the challenges faced and the future perspectives for the integration of these tools in the teaching-learning process. The study sought to understand how social networks can be effectively used as pedagogical tools, contributing to the development of educational strategies more aligned with the needs and expectations of students in the twenty-first century.

Throughout the investigation, it was observed that the incorporation of social networks in the educational environment represents a significant transformation in the way knowledge is shared, constructed and assimilated. Digital platforms offer unique opportunities to promote student engagement, facilitate peer-to-peer collaboration, and create more dynamic and interactive learning experiences.

The relevance of this study lies in the growing ubiquity of social networks in students' daily lives and the urgent need to adapt educational methods to the realities of the digital age. Research has demonstrated that effective integration of social media into education can lead to a significant increase in student engagement, peer collaboration, and the overall effectiveness of the teaching-learning process.

A point highlighted in the research was the importance of continuous teacher training for the efficient use of social networks as pedagogical tools. It became evident that the success of the integration of these technologies depends largely on the ability of educators to create innovative teaching strategies that harness the potential of digital platforms.

The contributions of this study are significant for the field of digital education. The comprehensive analysis of current practices, challenges, and opportunities provides valuable insights for educators, education managers, and public policy makers. The findings may guide the development of more effective strategies for integrating social media into the school curriculum.

The research revealed that social networks, when used properly, can promote the development of essential skills for the 21st century, such as digital literacy, critical thinking and communicative skills. These platforms offer an environment conducive to collaborative learning and the collective construction of knowledge.

However, the study also identified significant challenges in implementing social media as educational tools. Issues such as privacy, online safety, and the potential for distraction were pointed out as important concerns that need to be addressed to ensure effective and safe use of these technologies in the school environment.

The survey highlighted the need for educational policies that recognize and regulate the use of social networks in schools. These policies should be flexible enough to accommodate rapid technological changes while ensuring a safe and productive learning environment.

An important aspect observed was the potential of social networks to promote educational inclusion. These platforms can facilitate the participation of students with special needs or those who cannot attend classes in person, contributing to a more accessible and equitable education.

The creation of educational content specific to social networks has emerged as a promising area for future innovations. The development of interactive teaching materials

adapted to the unique characteristics of each platform can significantly enrich the learning experience of students.

The survey also pointed to the importance of a balanced approach to the use of social networks in education. While these tools offer significant benefits, it is crucial to strike a balance between the use of technology and traditional teaching methods, ensuring that fundamental educational needs are met.

The final considerations of this study suggest that the future of education with social networks is promising, but requires a continuous and coordinated effort from all those involved in the educational process. The successful integration of these technologies can lead to a positive transformation in the way we teach and learn.

To complement the findings of this research, it is suggested that future studies be carried out that explore specific aspects of the use of social networks in education. Investigations into the long-term impact of these technologies on academic performance, as well as comparative studies between different integration approaches, can provide valuable insights for the field.

In conclusion, this research contributes to the advancement of knowledge about the use of social networks in education, offering a solid basis for future investigations and pedagogical practices. As we move towards an increasingly digital future, the effective integration of social media into education becomes not only an opportunity but a necessity to prepare students for the challenges and opportunities of the contemporary world.

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