



The Impact of Digital Media on School Children's Academic Performance

Veerendra Singh Yadav, Research scholar, Malwanchal University, Indore

Dr Jomet George, Research Supervisor, Malwanchal University, Indore

Introduction

In the digital age, the use of digital media has become an integral part of our daily lives, and it has also permeated the educational sphere. While digital media offers numerous benefits, such as access to vast information resources and interactive learning tools, it has raised concerns about its impact on school children's academic performance. This article explores the complex relationship between digital media and academic performance among school children, examining both the positive and negative aspects of digital media usage.

Digital Media in Education

Digital media encompass a wide range of technologies, including smartphones, tablets, laptops, and the internet. These tools have transformed the way students access information and engage with educational content. In the modern classroom, digital media is often used to supplement traditional teaching methods, providing students with interactive and multimedia-rich learning experiences.

Positive Effects of Digital Media on Academic Performance

1. **Access to Information:** One of the most significant advantages of digital media is the ease of access to a vast amount of information. Students can use search engines, online libraries, and educational websites to find relevant resources for their studies. This access to information can help students gather research materials and enhance their understanding of various subjects.
2. **Interactive Learning:** Digital media allows for interactive and engaging learning experiences. Educational apps, simulations, and online quizzes can make learning fun and encourage active participation. These interactive tools can improve students' comprehension and retention of information.



3. **Customized Learning:** Digital media can adapt to individual learning styles and paces. Educational software can provide personalized learning experiences, allowing students to progress at their own speed. This personalized approach can be particularly beneficial for students with different learning needs and abilities.
4. **Collaboration and Communication:** Digital media facilitates collaboration among students and teachers. Online platforms and communication tools enable students to work together on projects, share ideas, and seek help from their peers or educators. Effective communication can lead to improved academic performance.
5. **Motivation and Engagement:** Digital media can make learning more engaging and motivating for students. Gamified educational content, interactive videos, and multimedia presentations can capture students' interest and encourage them to explore subjects in-depth.

Negative Effects of Digital Media on Academic Performance

1. **Distraction:** The use of digital media, particularly smartphones and social media, can be a significant source of distraction for students. Constant notifications, messaging apps, and the temptation to check social media can divert students' attention away from their studies.
2. **Reduced Attention Span:** Excessive use of digital media, particularly among younger children, has been linked to shorter attention spans. Constant exposure to fast-paced and rapidly changing digital content can make it challenging for students to focus on longer, text-based educational materials.
3. **Information Overload:** While the internet offers a wealth of information, it can also overwhelm students with too much data. It can be challenging for students to discern credible sources from unreliable ones, leading to misinformation and confusion.
4. **Sedentary Lifestyle:** Excessive use of digital media often leads to a sedentary lifestyle, with students spending long hours sitting in front of screens. Lack of physical activity can have adverse effects on overall health and well-being, which can indirectly impact academic performance.
5. **Sleep Disruption:** The use of digital media, especially before bedtime, can disrupt sleep patterns. Poor sleep quality and inadequate sleep duration can impair cognitive function and concentration, negatively affecting academic performance.



The Role of Parents and Educators

Given the dual nature of digital media's impact on academic performance, it is crucial for parents and educators to play an active role in managing children's digital media usage.

1. **Set Boundaries:** Parents should establish clear guidelines for digital media usage, including screen time limits and device-free zones. Creating a balance between screen time and other activities, such as outdoor play and reading, is essential.
2. **Monitor Content:** Parents and educators should monitor the content children consume online and ensure it aligns with their age and educational needs. Filtering and parental control tools can be helpful in this regard.
3. **Teach Digital Literacy:** Educators should incorporate digital literacy into the curriculum to teach students how to navigate the digital world responsibly. This includes critical thinking skills, online etiquette, and the ability to evaluate information sources.
4. **Encourage Healthy Habits:** Promoting healthy habits, such as regular exercise, adequate sleep, and maintaining a balanced diet, can mitigate some of the negative effects of digital media on academic performance.
5. **Foster Offline Interactions:** Encourage children to engage in offline activities, such as face-to-face social interactions, hobbies, and extracurricular activities. Balancing online and offline experiences is essential for a well-rounded development.

Conclusion

Digital media's impact on school children's academic performance is a multifaceted issue. While it offers numerous benefits, it also poses challenges that can negatively affect learning outcomes. Therefore, it is essential to strike a balance between harnessing the educational potential of digital media and mitigating its adverse effects.

Parents, educators, and policymakers must work together to ensure that children use digital media responsibly and effectively. By setting boundaries, teaching digital literacy, and promoting healthy habits, we can harness the positive aspects of digital media while minimizing its detrimental effects on academic performance. Ultimately, the key lies in using digital media as a tool to enhance learning rather than as a distraction that hinders educational progress.



Reference

1. Canadian Paediatric Society; Digital Health Task Force. Screen time and young children: Promoting health and development in a digital world. *Paediatr Child Health* 2017;22(8):461–8.
2. MacMullin JA, Lunskey Y, Weiss JA. Plugged in: Electronics use in youth and young adults with autism spectrum disorder. *Autism* 2016;20(1):45–54.
3. Mazurek MO, Wenstrup C. Television, video game and social media use among children with ASD and typically developing siblings. *J Autism Dev Disord* 2013;43(6):1258–71.
4. Brisson-Boivin K. The Digital Well-Being of Canadian Families. Ottawa, Ont.: MediaSmarts, 2018. <http://mediasmarts.ca/research-policy> .
5. Steeves V. Young Canadians in a Wired World, Phase III: Life Online. Ottawa, Ont.: MediaSmarts, 2014. <http://mediasmarts.ca/ycww> .
6. Turner KH, Jolls T, Hagerman MS, et al.. Developing digital and media literacies in children and adolescents. *Pediatrics* 2017;140(Suppl 2):S122–26.
7. Gutnick AL, Robb M, Takeuchi L, Kotler J.. Always Connected: The New Digital Media Habits of Young Children. New York, NY: The Joan Ganz Cooney Center at Sesame Workshop, 2010.
8. Anderson DR, Subrahmanyam K; Cognitive Impacts of Digital Media Workgroup Digital screen media and cognitive development. *Pediatrics* 2017;140(s2):S57–61.
9. MediaSmarts. The Good Things About Television <http://mediasmarts.ca/television/good-things-about-television> .
10. Coyne SM, Padilla-Walker LM, Fraser AM, Fellows K, Day RD. Media time = family time: Positive media use in families with adolescents. *J Adolesc Res* 2014;29(5):663–8.
11. Council on Communications and Media. Media use in school-aged children and adolescents. *Pediatrics* 2016;138(5):e20162592.
12. Molyneux P, Godinho S. “This is my thing!”: Middle years students’ engagement and learning using digital resources. *Australas J Educ Technol* 2012;28(8):1466–86.
13. National Association for the Education of Young Children/Fred Roger Center for Early Learning, 2012. Selected Examples of Effective Classroom Practice Involving Technology Tools and Interactive Media. https://www.naeyc.org/sites/default/files/globally-shared/downloads/PDFs/resources/topics/PS_technology_Examples.pdf .