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Impact of Media Technology on Child Development throughout the School

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Abstract: The Impact of media technology on child development throughout the school is a complex and dynamic topic that requires careful examination. With the increasing prevalence of technology in our daily lives, it is important to understand how it affects children's development. This paper aims to explore the impact of media technology on children's cognitive, social, and emotional development throughout the school years. It will examine the potential benefits and drawbacks of media technology use, as well as the role of parents, teachers, and policymakers in regulating and supporting its use. Ultimately, this paper seeks to provide insights into how we can promote healthy and balanced media use to support children's development throughout their school years.

Keywords: Media, Technology, School, Child development.
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I. Introduction

In the 21st century, media technology has become an integral part of our lives, with its pervasive presence in homes, schools, and communities. Children are raised in an environment very different from what their parents or grandparents experienced. As technology advances and new media platforms emerge, it is important to examine the impact that media technology has on child development. This essay aims to explore the impact of media technology on child development throughout school years, focusing on the potential benefits and drawbacks of media technology use in childhood.

As technology is integrated into education system, school students have to be more committed to the subjects they study. Technology offers a variety of ways to make learning more fun and enjoyable when it comes to teaching the same things through innovative methods.

If you are interested in how technology affects the development of children in schools, then there is a complete guide for you. Schools are now aware of the requirement to integrate an appropriate amount of technology into the learning system.

Technology should be a part of schools because technology helps children learn effectively and also encourages schools to communicate with parents. Technology lets us enable a customized learning method or experience that is more engaging and convenient than normal way of studying. Schools should be able to design learning skills that allow the students in the classroom to choose from a variety of learning activities to learn .

Sending the child to a right school is one of the first and most important decisions that has to be taken by parents. The school you choose will determine your child's overall development and

personality for your child. It's a decision you can't take carelessly. When it comes to education, we have to choose the best schools offer top-notch infrastructure and facilities.

So always choose a school for your children where they offers technology-based education to students. These days technology plays a significant role in education of a child . Technology has the power to change the way people learn in a different way. But in reality, it helps the school students to change and develop their lives.

The Ways Technology Can Affect Development of Child in Schools

1. It motivates learning individually

The schools believes that every students learning methods are different because every student is unique. Technology has bought many educational opportunities for students with different educational needs. Schools should offer personalized curriculum to maximize learning and reduce reliance on teachers to manage the customization of personalized playlists.

2. Increase knowledge retention

Schools have a responsibility to teach, guide and impart knowledge to students. Schools should enable students to retain more knowledge in the classroom as this is a prerequisite for better learning. Active participation in class can be a key factor in
retaining knowledge. Technology can also help motivate students. Technology can be used in many ways to preserve knowledge.

3. Constructive learning

Technology makes learning simple and effective. Technology allows students to better understand any topic or idea. It encourage students to participate in learning. This is also an important factor in increasing knowledge retention in a short period of time.

4. Encourages cooperation

Online activities allows students to practice their collaboration skills. Students can use technology to communicate with others in the same school, in the same class, or even in other schools around the world. You can collaborate with other students in forums or share documents in virtual learning environments.

5. Benefits for teachers

Technology can be used to enhance learning through countless online resources. Teachers
can use a variety of apps and trusted online resources to enhance traditional teaching methods and keep students engaged. Teachers can save time by using virtual classes and lesson plans, online assessment software and online assessments. You can use this time to help students having difficulty.

6. Learn useful life skills

Both students and teachers can learn skills using technology in the classroom. Students
can learn skills that will help them succeed in the future. Modern learning activites involves problem solving, collaboration, leadership, critical

thinking, communication
and bringing the outside world knowledge into the classroom.

Students have a chance to succeed with technology because they can work on projects and concepts at their own pace. These skills are essential and can be acquired in the classroom.

Technology is becoming increasingly important in schools as it engages students through effective learning and virtual programs. Many schools have already equipped the latest technology, which has proven to be extremely effective. Its widespread adoption has completely transformed the educational experience for both students and teachers.

Students in schools will be more engaged when technology is integrated into lectures and lessons. There are many ways in technology to make learning more enjoyable. You can use Powerpoint presentations for teaching or even for virtual field trips with students.

Technology promises much active participation during the learning process. Learning can be difficult in a lecture environment where students learn facts from books. The advent of audiovisual education in schools has increased the level of student engagement.

Children learn more easily with smart projectors, touch screens and interactive
whiteboards. Students are more motivated and intrested to learn when they can learn
through visual and auditory learning tools.

How technology has changed education in the past 15 years.

1. research methods
In the old days, if students wanted to study, they had to do a lot of things, for example, they would go to a nearby library and borrow the relevant materials from there.
This method still works, but it is not a popular method. Students can now browse content online through YouTube videos, blogs, tutorials, podcasts, and more.

2. Smart board
The old whiteboard and blackboard are also replaced by the use of technology in education. Classrooms and lecture halls are now equipped with large projectors that display texts and videos that help students understand topics effectively and quickly. In addition, you can also use a special pen for drawing on the screen to study art-related topics.

3. Electronic books
No more pressure on the back!
Heavy and bulky textbooks can now be easily replaced with digital versions that students can download directly to their devices. However, free digital versions of many popular texts are not yet complete, but they make the content readily available to online learners.

4. Online class
The advent of technology in education has allowed teachers to upload their lectures and classes online, allowing students to access content anywhere in the world. All you will need is a laptop and headphone.
It also enables learners to quickly access and acquire new content available on various
sites on the Internet. Children enjoy learning online even when they are on vacation.

5. Save money

Technology has made cost reduced education possible.

Technology has reduced the cost of acheving education. Because you no longer need to buy any additional expensive training materials. The use of various applications of technology has changed the way we learn and teach, which has greatly benefited the field of education.

6. Increasing mobile educational content

Learning is now a lot of fun thanks to various mobile learning apps. Help students access a wealth of content on mobile devices, PCs and laptops. The growth of mobile learning content can be traced to current changes in Internet access.

7. Active participation in educational materials

Gone are the days when students forget everything they learned during their college days the moment they leave school. They learn something new every time and should be active in their studies.

To do this, we need to make educational content easily accessible with the help of online applications, widgets and various sites.

8. One to one conversation

Teacher-student interaction has become easier with the advent of technology in education. As it is now, children can be one-on-one in no time, even if they are sitting on opposite sides of the globe. You can also stay in touch with your peers in a whole new way.

The Early Years:

In the early years, children are most susceptible to the impact of media technology. Studies have shown that excessive screen time can lead to delays in language development, poor social skills, and behavior problems. However, media technology can also be used to enhance learning, creativity, and problem-solving skills. For example, interactive games and educational apps can help children develop important cognitive and motor skills, while also providing opportunities for social interaction and language development.

Media technology can have both positive and negative impacts on child development throughout the early years of school. Here are some ways in which media technology can impact child development:

Positive impacts:

Improved literacy skills: Technology-based reading programs can help children develop their literacy skills.

Increased access to information: Technology allows children to access a wealth of information that can help them with their schoolwork and encourage them to pursue their interests.

Improved creativity: Technology can provide children with tools for creating and sharing their own creative projects, such as videos, artwork, and music.

Improved social skills: Social media and video conferencing can help children stay connected with friends and family, even when they cannot meet in person.

Negative impacts:

Reduced physical activity: Children who spend a lot of time using technology may be less physically active, which can lead to health problems.

Exposure to inappropriate content: Children can easily stumble upon inappropriate content, such as violence or pornography, while using technology.

Reduced face-to-face communication skills: Children who spend a lot of time using technology may have fewer opportunities to practice face-to-face communication skills, which can affect their social development.

Reduced attention span: The constant stimulation of technology can make it difficult for children to focus on tasks that require sustained attention.
Overall, it's important for parents and educators to monitor and limit children's use of technology to ensure that they are getting the most out of it without being negatively impacted. It's also important to provide children with opportunities to engage in physical activity, social interaction, and face-to-face communication to balance out the time spent using technology.

Middle Years:

As children progress through middle school, media technology becomes more ubiquitous and complex. Social media, online gaming, and video streaming platforms can be both beneficial and harmful to child development. On the one hand, social media can provide opportunities for self-expression, communication, and socialization. On the other hand, social media can also contribute to cyberbullying, social comparison, and mental health problems. Online gaming can be both entertaining and educational, but excessive gaming can lead to addiction, poor academic performance, and behavioral issues. Video streaming platforms like YouTube can be a source of educational content, but also expose children to inappropriate content and online predators.

Media technology can have both positive and negative impacts on child development throughout the middle years of school (ages 8-12).

Some potential effects to consider:

Positive impacts:
Improved access to educational resources: Media technology can provide children with access to a wide range of educational resources, including online textbooks, educational videos, and interactive learning games.
Increased creativity: Children can use media technology to express themselves creatively, such as through video production, digital art, or creative writing.
Enhanced social connections: Social media and online gaming can help children connect with friends and family members, as well as make new friends who share similar interests.
Increased cognitive skills: Media technology can improve children's cognitive skills, such as attention, memory, and problem-solving abilities.

Negative impacts:

Increased screen time: Children who spend excessive amounts of time in front of screens may experience negative impacts on their physical and mental health, including decreased physical activity, disrupted sleep patterns, and increased risk of obesity.
Exposure to inappropriate content: Children may be exposed to inappropriate content such as violence, sex, and drugs, which can have negative effects on their emotional and psychological development.
Decreased face-to-face communication skills: Overuse of media technology can lead to decreased opportunities for face-to-face communication, which can hinder the development of social skills.
Addiction: Children can develop addictive behaviors towards media technology, which can lead to problems such as decreased academic performance, decreased physical activity, and social isolation.
It is important for parents and educators to monitor children's media use and ensure that they are using media technology in a safe, responsible, and balanced way.

High School Years:

In high school, media technology use becomes more autonomous and self-regulated. Students use technology for academic research, communication, and entertainment. While technology can enhance academic performance and improve access to information, it can also be a distraction and contribute to academic dishonesty. Moreover, excessive media use can lead to poor sleep, reduced physical activity, and mental health problems. It is important for parents and educators to teach responsible media use and digital citizenship to promote healthy development.

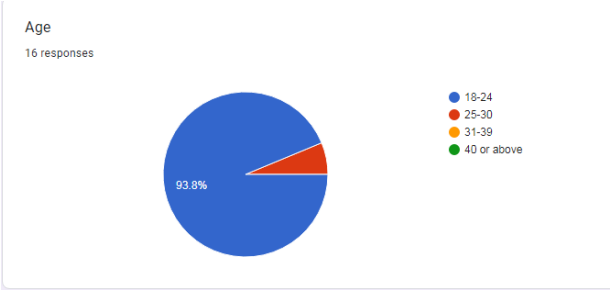
How adults can help.

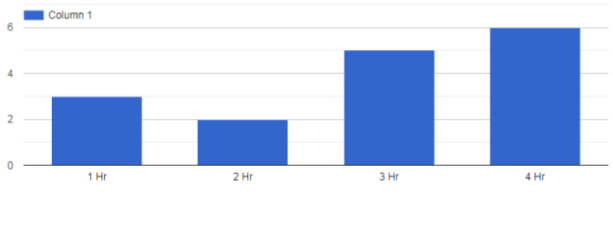
Parents and grown-ups can help children get the benefits of technology with lesser negative impacts.. Parents can start by ensuring that children under the age of two do not use screens. They can also play with children to interact face-to-face with technology and ensure that technology does not interfere with play opportunities. Parents should also work to set applicable boundaries, including time limits, and model good smartphone use. Cybersecurity software and systems can help keep kids safe when using technology.

Parents and teachers can watch quality apps that support vocabulary, math, literacy and science. Adults can help ensure that children learn computer science and IT as part of using technology to provide them with opportunities for a bright technological future.

Results:

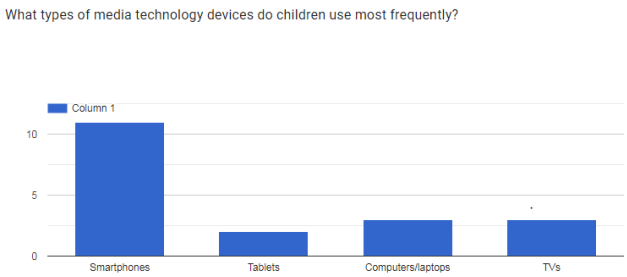
- The 93% of the respondents age group are from 18-24



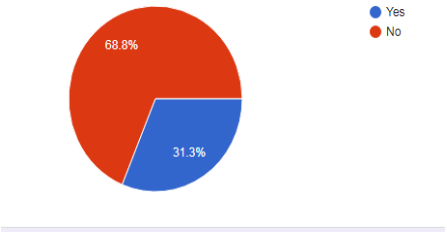


- When asked "
  How much time do children spend on media technology devices (e.g., smartphones, tablets, computers, TVs) outside of school hours?"
  Most of the responses were 4 hrs.

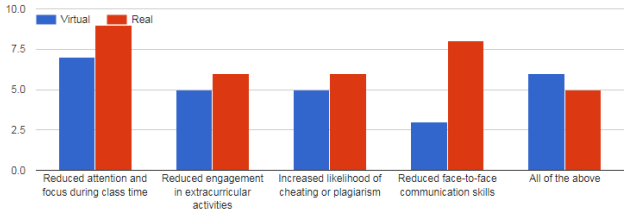
- Most commonly used electronic device by children is smartphone.

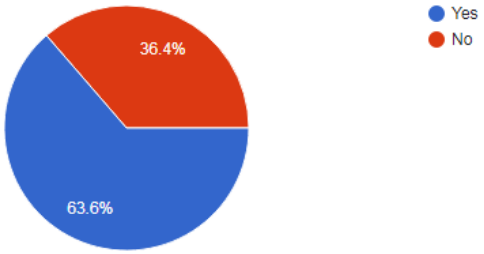


- When asked" Do parents have rules or guidelines for their children's media technology use at home?"
  It turns out most parents let their children use Smartphone at home

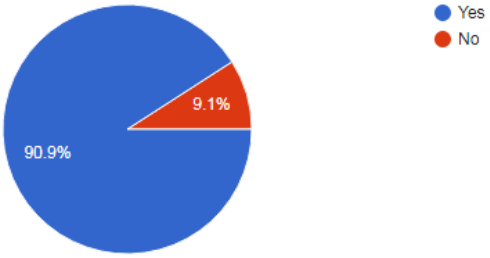


- On the question "How do children's media technology habits affect their academic performance?" most people felt it cause reduced focus and attention during class time

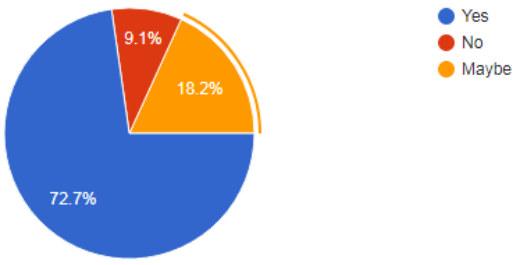




- When asked "Do children's media technology habits affect their social skills and relationships with peers?" Most people responded "yes".



- Do children's media technology habits affect their physical health (e.g., eyesight, posture)?
  72.7% of people agreed.



- Do children's media technology habits vary based on their age or grade level? 63.3 people says it varies according to their age

XIII. Conclusion

In conclusion, media technology has a significant impact on child development throughout school years. While media technology can provide opportunities for learning, creativity, and socialization, it can also contribute to negative outcomes such as addiction, poor academic performance, and mental health problems. It is important for parents and educators to be aware of the potential benefits and drawbacks of media technology and to teach responsible media use and digital citizenship. By doing so, we can ensure that children can reap the benefits of media technology while minimizing its potential negative impact on their development.