How Technology Can Make Learning Fun: A Look Into The Advantages And Limitations Of Using ICT In Teaching

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Abstract: With the rise of technology, more and more schools are incorporating ICT tools into their classrooms. This study explores the benefits and drawbacks of using ICT in teaching in CBSE and State Board high schools. Through a mixed-methods approach, including surveys, interviews, and classroom observations, we found that while ICT tools offer several advantages, such as enhancing the learning experience and increasing teacher effectiveness, limitations also need to be considered.

Introduction: As students, we've all had our fair share of dull and uninspiring lessons. That's why it's exciting to see more and more schools integrating technology into their classrooms. However, not all schools are doing it the same way. This study looks at the differences in how CBSE and State Board high schools use ICT tools in their classrooms and what benefits and limitations come with these methods.

Methodology: To get a better understanding of how technology is being used in CBSE and State Board high schools, we conducted surveys with teachers, interviews with teachers and administrators, and classroom observations. We analysed the data using descriptive and inferential statistics and content analysis to identify the advantages and limitations of using ICT in teaching.

Results: The survey findings revealed that both CBSE and State Board high schools have integrated ICT tools into teaching, but CBSE schools have a higher utilisation rate of ICT tools in teaching. The interviews and classroom observations revealed several advantages of ICT in teaching in both CBSE and State Board high schools. The following are ten benefits of using ICT in teaching:

1. Enhanced learning experience for students
2. Increased teacher effectiveness
3. Improved student engagement and participation
4. Access to a vast amount of information and resources
5. Provision of interactive and multimedia learning experiences
6. Improved quality of education through real-time feedback on student progress and performance
7. Development of 21st-century skills in students
8. 8 Encouragement of collaborative learning

9. Flexibility and adaptability in teaching methods
10. Cost-effective and sustainable solutions

However, the study also revealed several limitations of using ICT in teaching. The following are ten limitations of using ICT in teaching:

1. Lack of access to reliable and consistent ICT infrastructure
2. High initial cost of investment in ICT tools
3. Resistance to change among teachers and students.
4. Technological problems and technical skills required.
5. Overdependence on ICT tools
6. Limited availability of technical support and maintenance
7. Privacy and security concerns
8. Unequal access to ICT tools and resources among students
9. Difficulty in integrating ICT tools into the curriculum.
10. Distraction and misuse of ICT tools

Discussion: As technology continues to evolve, it's essential for schools to take advantage of the benefits that ICT tools offer. However, they should also be mindful of the limitations, such as the potential for distraction and misuse. Schools can create a more engaging and effective learning environment by striking a balance between the advantages and limitations.