



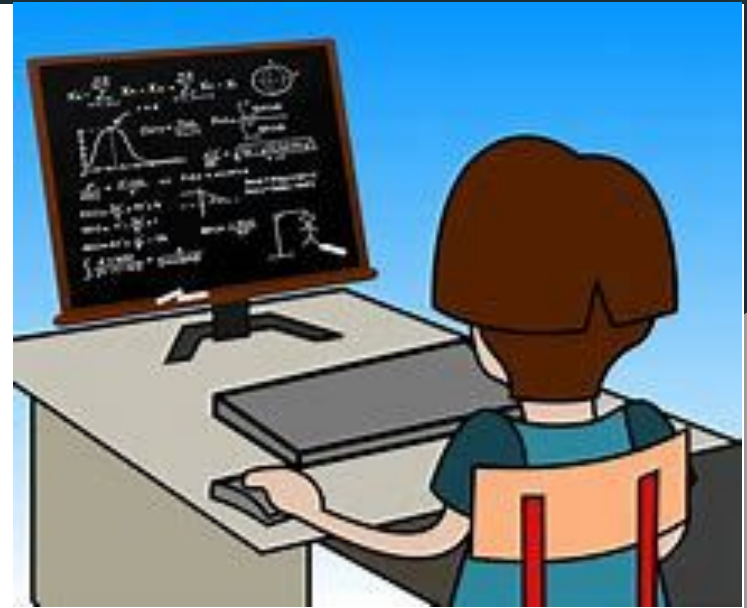
Computers in Primary Education

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Agenda

1. Introduction
2. History
3. Role of computers in Education
4. Challenges and Concerns
5. Future Outlook



Introduction

Why are computers in education important?

- Instant Access to Information
- Personalized Education
- Increases Learning Efficiency
- Prepares Students for the Future



History

Important Dates

- **1944** - The First Computer is put into use (MARK 1) at Harvard
- **1959 - PLATO; University of Illinois**
 - First large scale project for use of computers in education
- **1963 - Computer-Assisted Instruction**
- **Early 1970s - Seymour Papert**
 - Began the movement for use of computers in education for children

Introduction of Personal Computers to Today

1980s: Early Adoption

- Apples Education Initiatives
- BBC Mico and the UK Computing Curriculum

1990s-2000s: Expansion and Internet

- Rapid technology growth and early internet research
- Introduction of education games, typing programs, and basic computer literacy

2010s-Present: Personal Devices and Integration

- Shift from computer labs to personal devices (chromebooks, ipads, laptops, etc)
- Computers used daily
 - Google Classroom
 - Teams

Role of Computers in Education

Instant Access to Information

- Study subjects thoroughly with proper use of search engines

Increased Learning Effectiveness

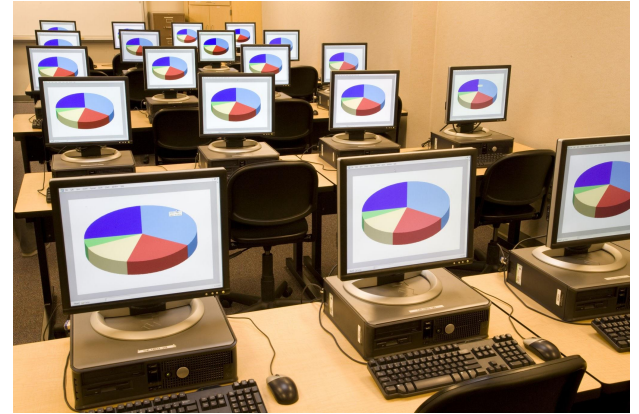
- Promotes engagement in academic work
 - Interactive Learning
- Increased collaboration and communication
 - Google Classroom

Personalized Education

- Self-paced learning is popular with students of today
- Enhances classroom instruction

Future Readiness

- Students build confidence with technology by enhancing their digital skills early on



Challenges and Concerns



Digital Divide

EDITABLE STROKE

The Digital Divide

- The pandemic showcased how not all students have equal access to computers or reliable internet at home

Screen Time

- Excessive use of screens can have negative impacts on children's attention spans, physical health, and social development



Cyber Safety

- Concerns over cyberbullying and risk of exposure to inappropriate content



Conclusion

Key Takeaways

- Technology will continue to grow and the integration of computers in education will as well
- Essential to minimize the risks while promoting effective learning and real-world readiness



Questions?



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