



Future Trends in Learning and Technology

Irene Bugliari

Key Technologies



Extended Reality



Artificial Intelligence



Adaptive Technologies

Extended Reality

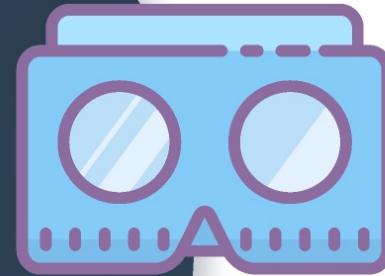
Artificial Intelligence

Adaptive Technologies

EXTENDED REALITY [XR]

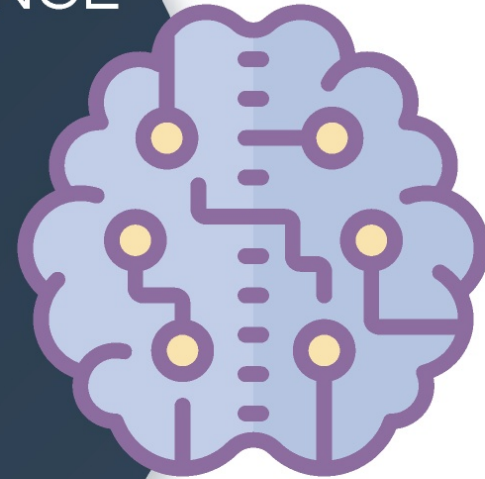
Immersive Learning Experiences

- Virtual Reality [VR]
- Augmented Reality [AR]
- Mixed Reality [MR]



ARTIFICIAL INTELLIGENCE [AI]

- Intelligent Learning Content
- Tutoring and Immediate Feedback
- Virtual Environments for Teaching



ADAPTIVE TECHNOLOGIES

- Special Learning Needs
- Adaptive Learning
- Personalization
- Better Learning Outcomes



KEY TRENDS

with significant impact



Social



Economic



Political

Social

Economic

Political

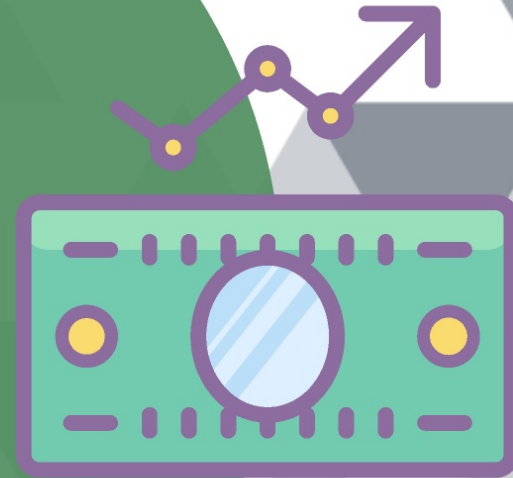
SOCIAL

- Mental Health
- Demographics
- Inclusion and Equity
- Lifelong Learning



ECONOMIC

- Cost
- Job Outlooks
- Work Demands



POLITICAL

- Funding
- Percieved Value
- Regulation of Technology



CHALLENGES



Cost of Technology



Teacher Knowledge and Development



Access for All Individuals

Cost of Technology

Knowledge and Development

Access

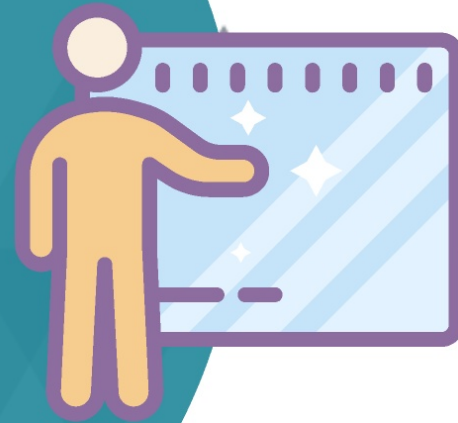
COST OF TECHNOLOGY

- Increased Cost of Technology Tools
- Expensive to Implement
- Shrinking Budgets



Teacher Knowledge and Development

- New Teaching Practices
- Difficulty keeping up with latest technology
- Instruction resources for teachers



ACCESS FOR ALL INDIVIDUALS

- Providing Digital equity
- Student-centered approaches
- Support from faculty and institution



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