

The Educational Technology Revolution

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Major Trends in Education

- Distributed Learning
- Learning Management Systems
- Flipped Classrooms
- BYOD (Bring Your Own Device)
- Less Memorization; More Sourcing
- Fewer Fixed Answers; More Problem Solving
- Lifelong Education



Distributed Learning

- Online—Synchronous
- Online—Asynchronous
- Blended



Learning Management Systems



Blackboard



canvas



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Flipped Classrooms



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BYOD—Bring Your Own Device

- Learners are connected
 - Tablets
 - Laptops
 - Smart phones
 - Digital assistants
 - Digital recorders



Less Memorization; More Sourcing



Source: sheridancollege.ca



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More Problem Solving



Source: everydayinterviewtips.com



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Lifelong Education



Source: dailyscene.com



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But there's more...

- Open Educational Resources (OERs)
- Accessibility/Universal Design for Learning (UDL)
- Mobile Learning (at a distance)/Mobile Apps
- Adaptive Learning
- Game-based learning
- Virtual/Augmented Reality
- Artificial Intelligence
- Libraries



Open Educational Resources



TRADITIONAL EDUCATIONAL RESOURCES

OPEN EDUCATIONAL RESOURCES

MERLOT
Multimedia Educational Resource
for Learning and Online Teaching

ide@s

OpenLearn
LearningSpace



MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

connexions

OER
COMMONS
OPEN EDUCATIONAL RESOURCES

Textbook Revolution

WIKIVERSITY

LeMill

iBerry

L3T' Lehrbuch für
Lernen und Lehren
mit Technologien



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Accessibility

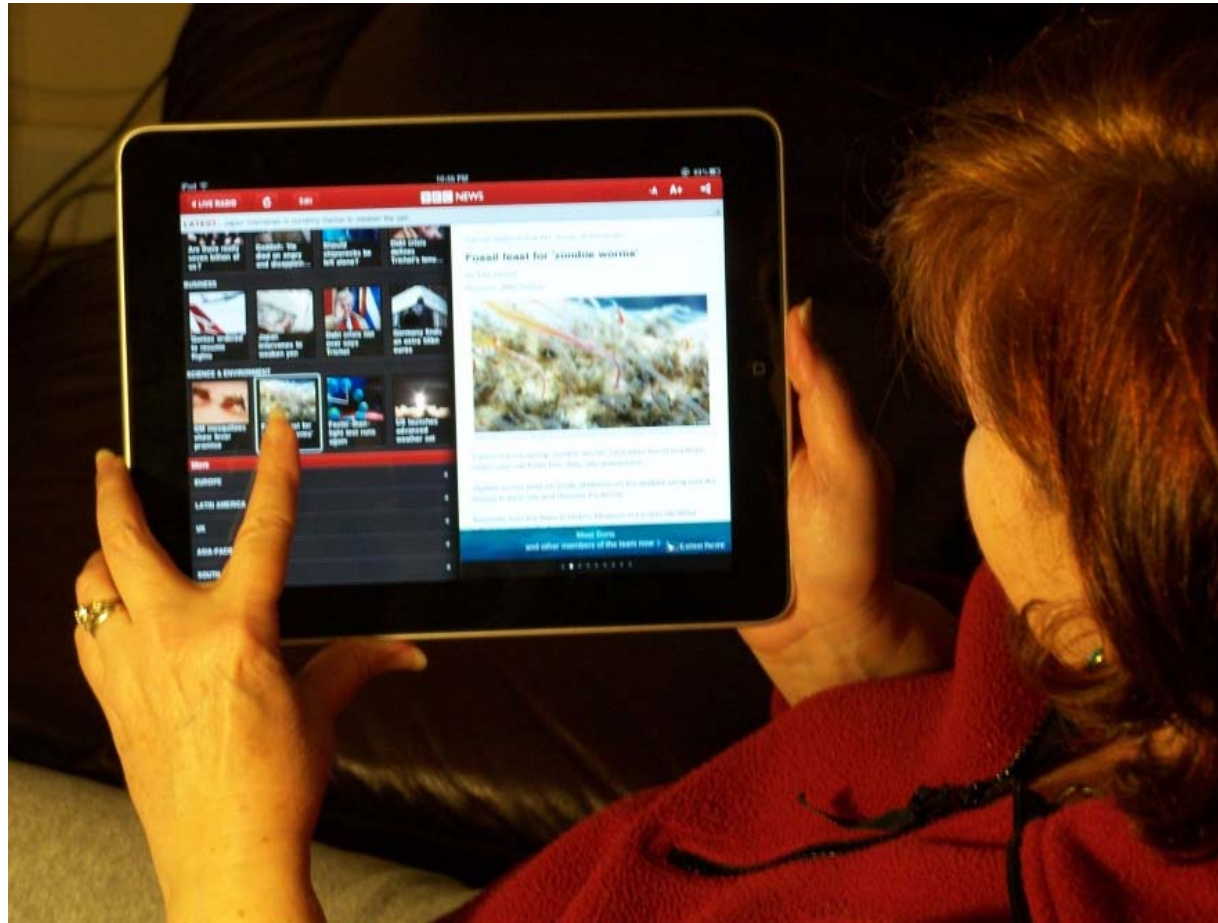


Source: educationaltechnologyguy.blogspot.com



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Mobile Learning

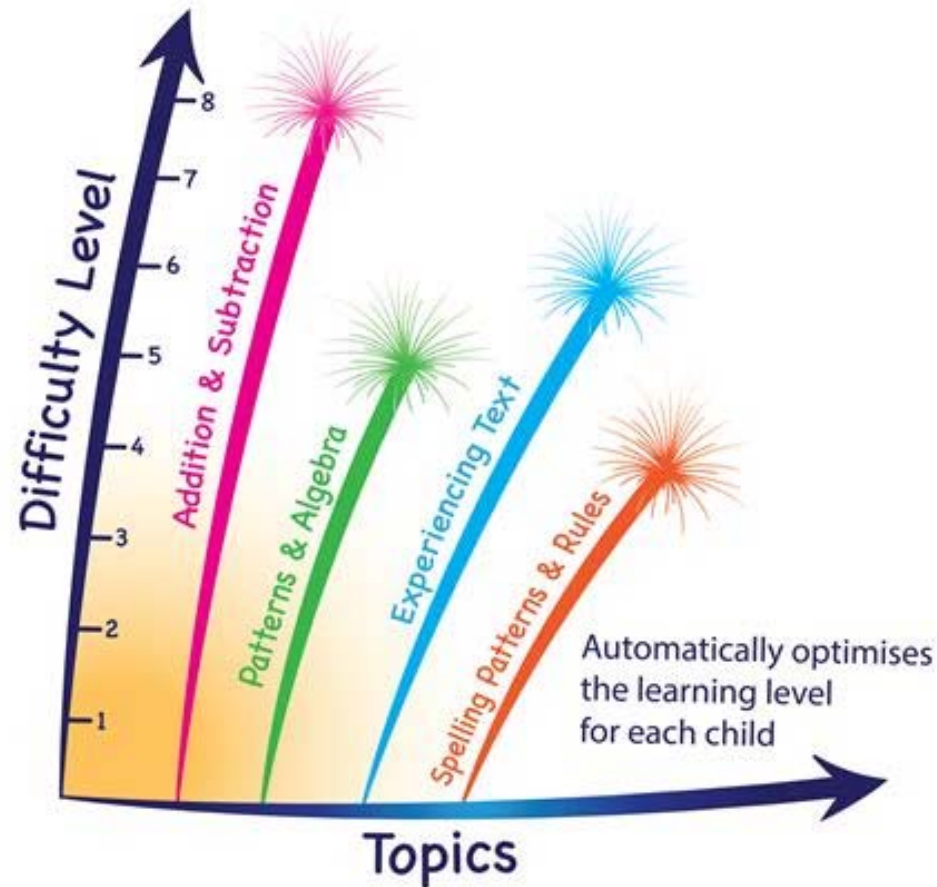


Source: A Grant



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Adaptive Learning

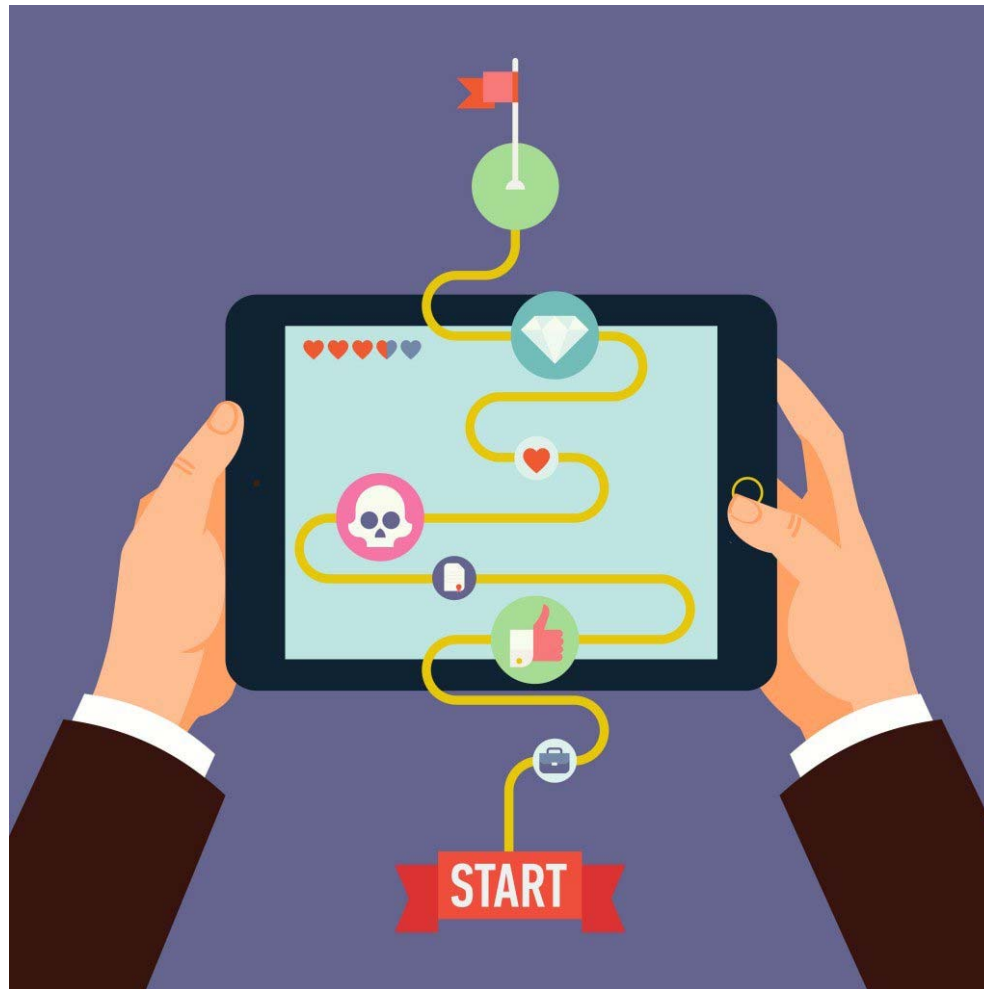


Source: zoowhiz.com



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Game-based Learning



Source: elearningindustry.com



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Virtual Reality/Augmented Reality



Source: Samsung



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Artificial Intelligence

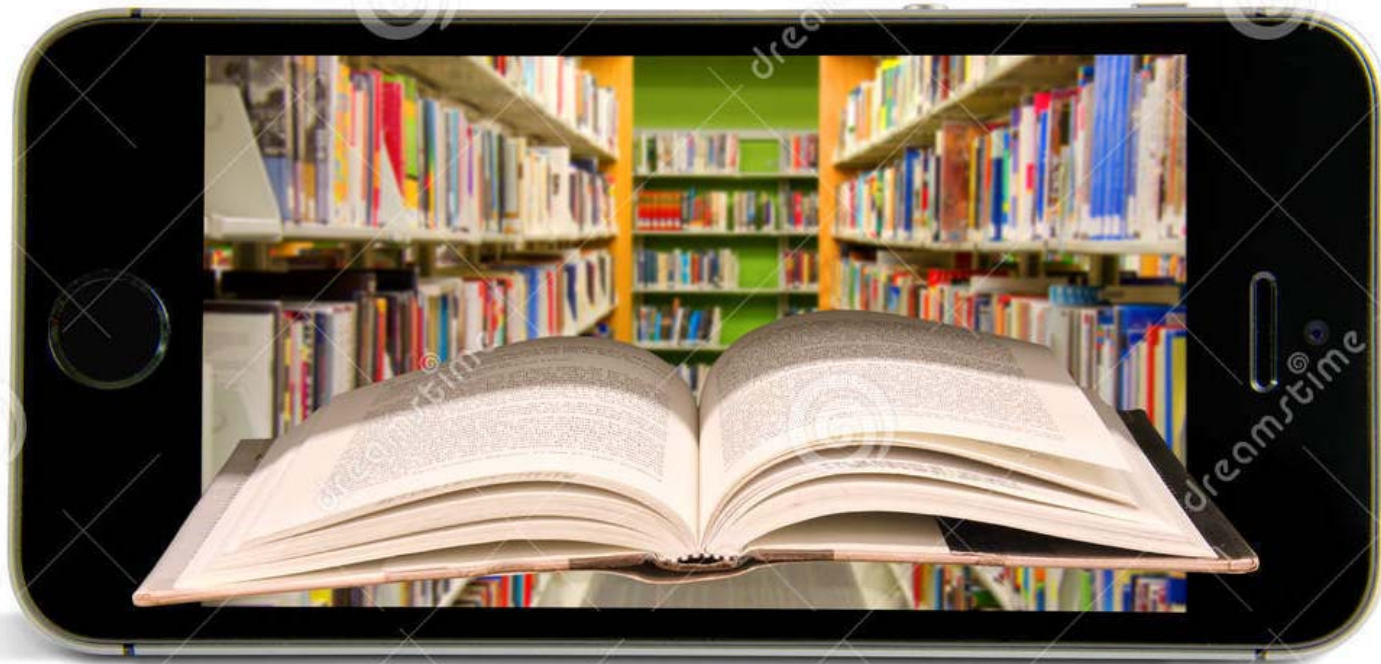


Source: Martechtoday.com



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Libraries



Source: Dreamstime.com



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At Least 15 Trends to Watch...

- Distributed Learning
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- Lifelong Education
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Implications

- Technology and connectivity have become as critical to education as books and pencils
- Education is becoming increasingly personalized
- Educational institutions have to devote increasing investments to technology systems
 - Payoff is more effective education



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