The Educational Technology Revolution

Augie Grant, Director
Center for Teaching Excellence

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

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Distributed Learning

- Online—Synchronous

- Online—Asynchronous

- Blended

Learning Management Systems

Flipped Classrooms

BYOD—Bring Your Own Device

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

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Less Memorization; More Sourcing

Source: sheridancollege.ca

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
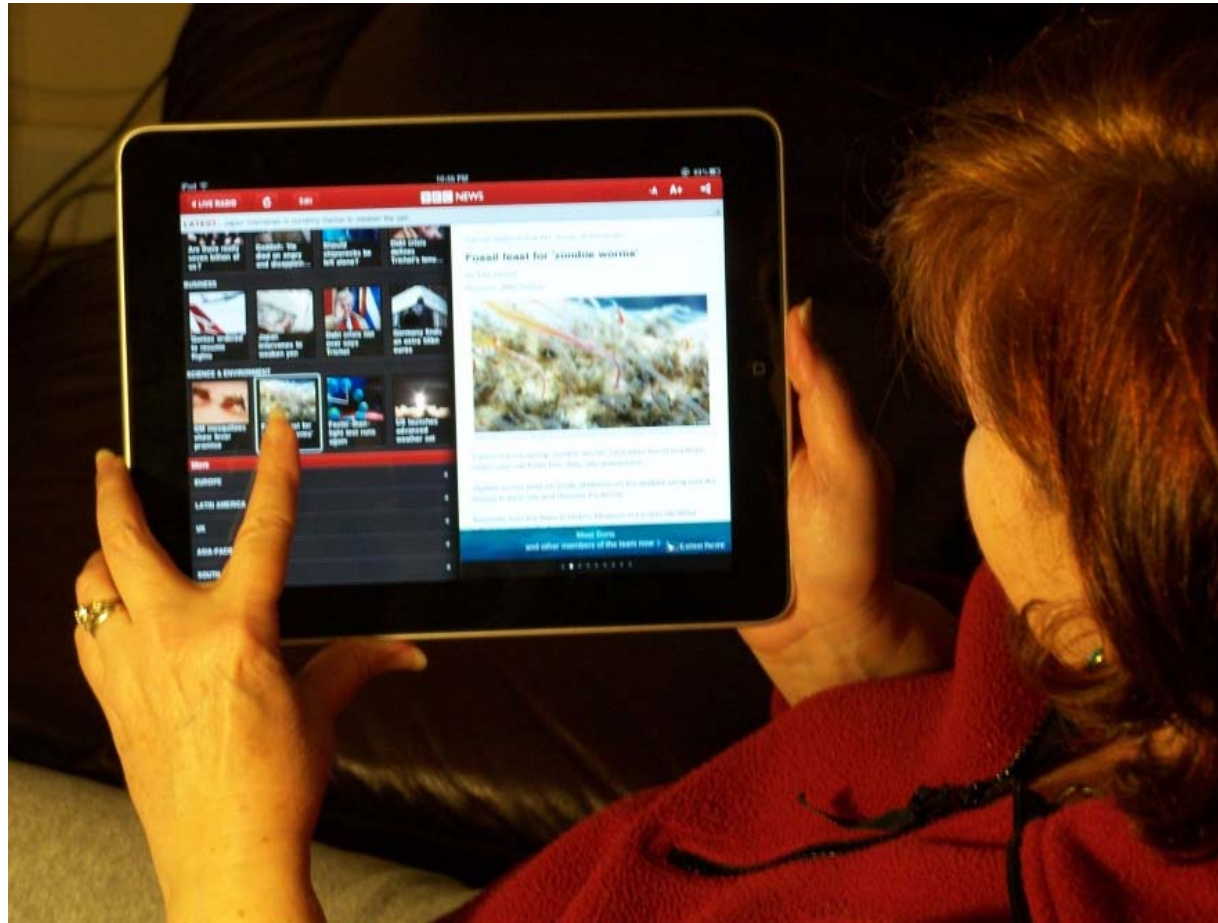- Libraries

Open Educational Resources

Accessibility

Source: educationaltechnologyguy.blogspot.com

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Mobile Learning
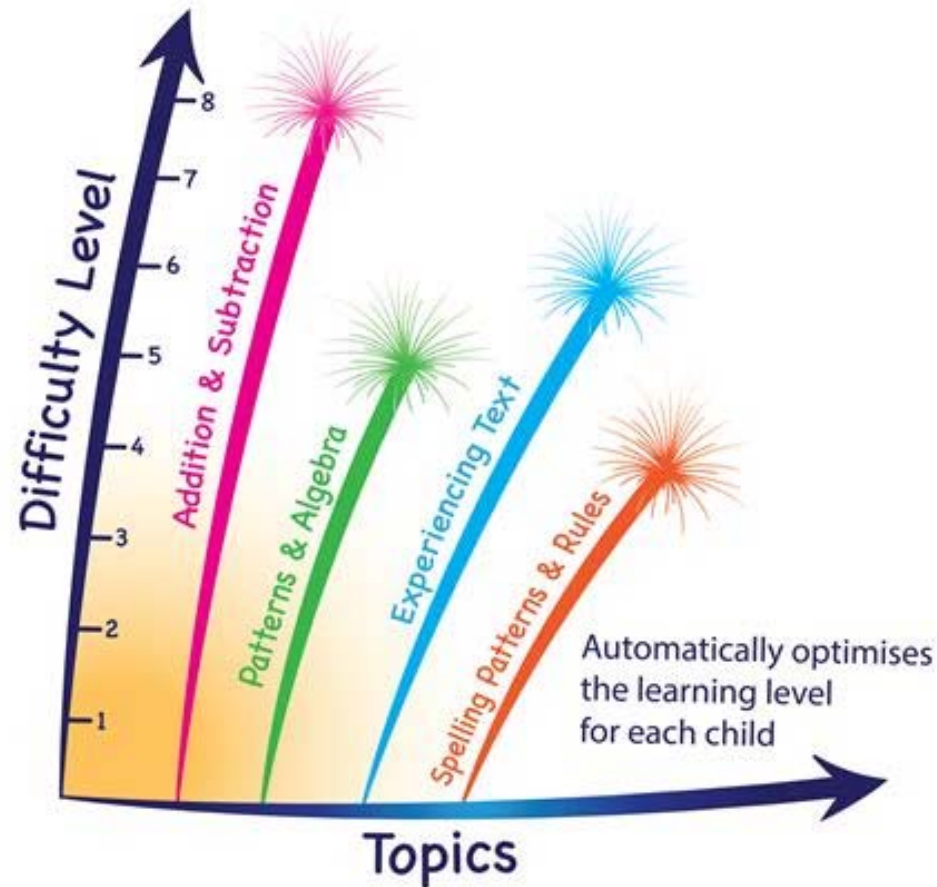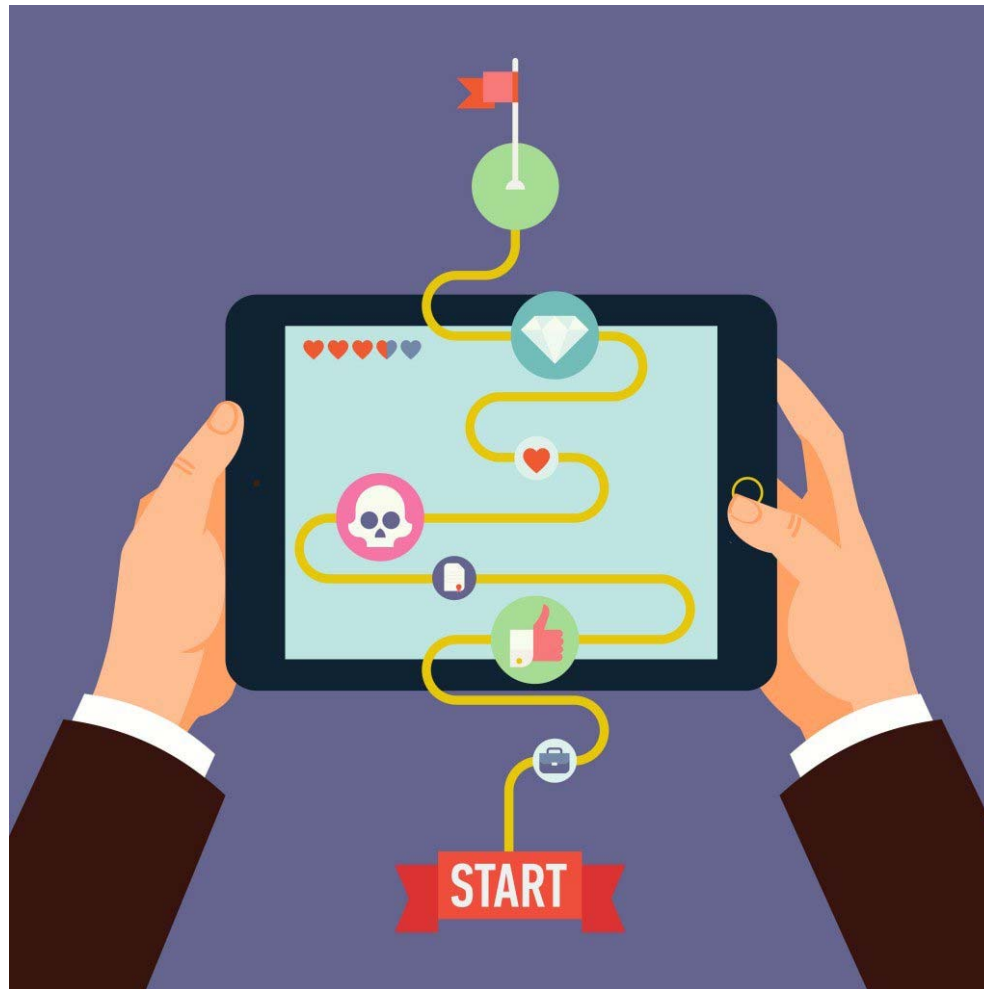
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Adaptive Learning

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Game-based Learning

Source: elearningindustry.com

Virtual Reality/Augmented Reality

Source: Samsung

Artificial Intelligence

Source: Martechtoday.com

Libraries
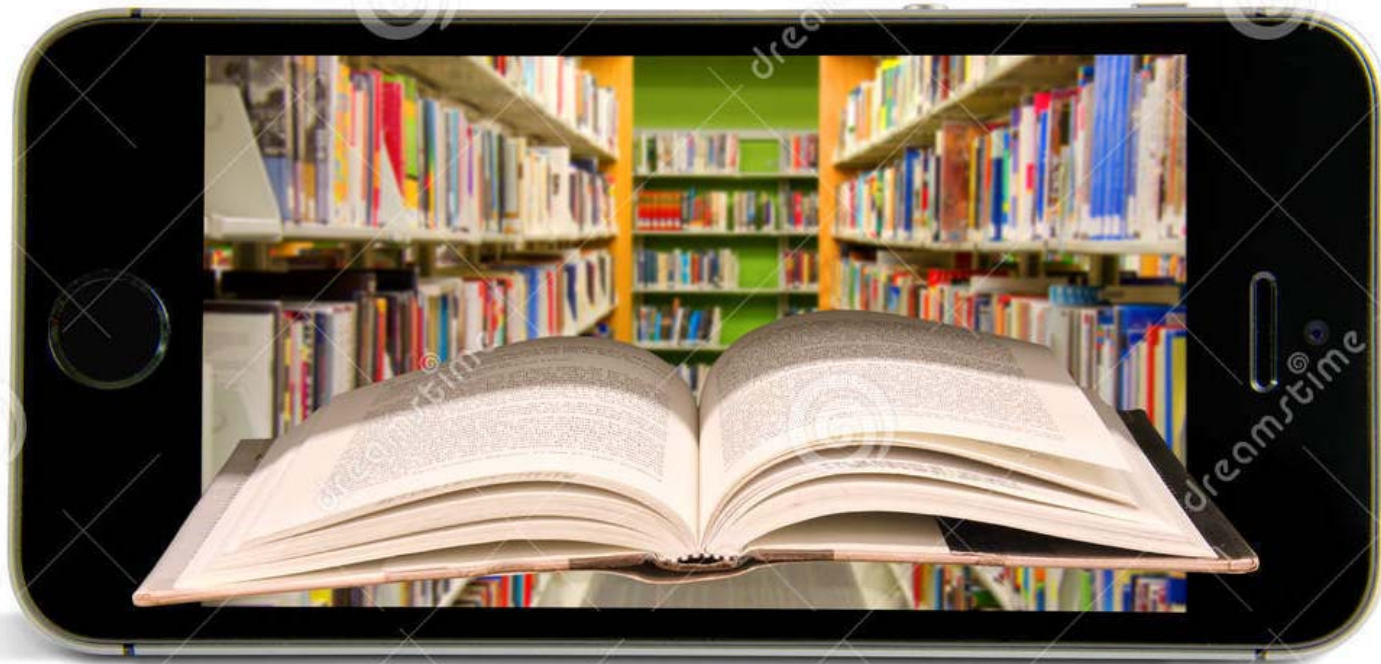
Source: Dreamstime.com

At Least 15 Trends to Watch…

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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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