Introduction to Horizon Report: 2011 K–12 Edition

TCH 505 Instructional Technology for Today's Educator

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NMC

- **New Media Consortium**
- http://www.nmc.org/
- **The New Media Consortium (NMC)** is an international not-for-profit consortium of learning-focused organizations dedicated to the exploration and use of new media and new technologies. Its hundreds of member institutions constitute an elite list of the most highly regarded colleges and universities in the world, as well as leading museums, key research centers, and some of the world's most forward-thinking companies. For more than 15 years, the consortium and its members have dedicated themselves to exploring and developing potential applications of emerging technologies for learning, research, and creative inquiry. The consortium's *Horizon Reports* are regarded worldwide as the most timely and authoritative sources of information on new and emerging technologies available to education anywhere.

Outline

Executive Summary

Time-to-Adoption Horizon: One Year or Less
> **Cloud Computing**
> **Mobiles**

Time-to-Adoption Horizon: Two to Three Years
> **Game-Based Learning**
> **Open Content**

Time-to-Adoption Horizon: Four to Five Years
> **Learning Analytics**
> **Personal Learning Environments**

Key Trends

- Sense-making and the ability to assess the credibility of information are paramount.

    1. The abundance of resources and relationships made easily accessible via the Internet is increasingly challenging us to revisit our roles as educators.

    2. As IT support becomes more and more decentralized, the technologies we use are increasingly based not on school servers, but in the cloud.

    3. Technology continues to profoundly affect the way we work, collaborate, communicate, and succeed.

    4. People expect to be able to work, learn, and study whenever and wherever they want to.

    5. The perceived value of innovation and creativity is increasing.

Critical Challenges

1. Digital media literacy continues its rise in importance as a key skill in every discipline and profession.
2. Economic pressures and new models of education are presenting unprecedented competition to traditional models of schools.
3. The demand for personalized learning is not adequately supported by current technology or practices.
4. A key challenge is the fundamental structure of the K-12 education establishment — aka "the system."
5. Many activities related to learning and education take place outside the walls of the classroom and thus are not part of our learning metrics.

Technologies to Watch

1. **Cloud computing**
2. **Mobiles**
3. **Game-based learning**
4. **Open content**
5. **Learning analytics**
6. **Personal learning environments (PLEs)**

Reference

- Horizon Report: 2011-K-12 http://www.nmc.org/pdf/2011-Horizon-Report-K12.pdf

- New Media Consortium: http://www.nmc.org/