Community Colleges & Educational Technology: What Lies Ahead?

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NMC: The New Media Consortium
The future is already here
It is just unevenly distributed
The Horizon Project
NMC: The New Media Consortium

Launched 2002 by Laurence F. Johnson

To proactively identify technology trends that could impact education, specifically higher education
Once there was one . . .

Higher Education Edition
(2004)

Horizon Report > K-12 Edition
(2009)


The NMC Horizon Project

49 Editions | 55+ Translations
13 Years of Global Research into Emerging Technology Uptake
Once there was one . . .

Technology Outlook: The NMC Horizon Project Series of Regional & Sector Analyses
On the Horizon for Higher Ed
Announcing the NMC Horizon Report > 2015 Higher Education Edition

go.nmc.org/2015-hied
Nearly 14,000 downloads daily
The research behind the *NMC Horizon Report > 2015 Higher Education Edition* is jointly conducted by the New Media Consortium (NMC) and the EDUCAUSE Learning Initiative (ELI). Their critical participation in the production of this report and their strong support for the NMC Horizon Project is gratefully acknowledged.

The *NMC Horizon Report > 2015 Higher Education Edition* is a publication of the New Media Consortium.
How does the process work?
Hz Advisory Boards

Each project board represents an international, multi-disciplinary group of between 40 - 50 technology experts from both within & outside higher education

Participation on any Horizon Project advisory board is by invitation & includes self-nomination
Welcome to the workspace for the flagship report of the Horizon Project®. This wiki is the place for the members of the Horizon Project to manage the selection process for the topics included in the NMC Horizon Report > 2015 Higher Education Edition, which will be published by the Innovative Higher Education Consortium (NMC)® in collaboration with the EDUCAUSE Learning Initiative (ELI)®, an EDUCAUSE Program.

The report will be released officially in February 2015 at the EDUCAUSE ELI Annual Meeting.

What’s New?
- As of October 29, 2014, the Expert Panel has finished responding to research questions. Voting is the next activity.
- Meet the 2015 NMC Horizon Project Higher Ed Expert Panel

Project Timeline
- Wiki Orientations
- Press Clippings
- Research Questions
- 1st Pass Rankings
- Review Short List
- 2nd Pass Rankings
- Produce Report
Hz Wiki Environment

Project Timeline

- Wiki Orientations
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Orientation  Readings  Research Questions

Ranking 1st cut  Commenting  2nd Pass

Report Production
Horizon Report Evolution

Topics reflect potential relevance to teaching, learning & the creative process
Initial focus was only Higher Education
Emphasis was on Emergent Technologies
Short, mid & longer timeframes
Horizon Report Evolution

Topics are vetted with application to Policy, Leadership & Practice

• Key trends
• Significant challenges
• Important Developments in Educational Technologies
Trend Characteristics

Impact vs Time

- Short Term
- Mid Term
- Long Term
Topics from the NMC Horizon Report > 2015 Higher Education Edition

**CHALLENGES**

**SOLVABLE**
- Blending Formal and Informal Learning
- Improving Digital Literacy

**DIFFICULT**
- Personalizing Learning
- Teaching Complex Thinking

**WICKED**
- Competing Models of Education
- Rewards for Teaching

**TRENDS**

**SHORT-TERM**
1-2 years in each direction
- Increasing Use of Blended Learning
- Redesigning Learning Spaces

**MID-TERM**
3-4 years in each direction
- Growing Focus on Measuring Learning
- Proliferation of Open Educational Resources

**LONG-TERM**
5+ years in each direction
- Advancing Cultures of Change and Innovation
- Increasing Cross-Institution Collaboration

**TECHNOLOGIES**

**NEAR-TERM** 1 year or less
- Bring Your Own Device
- Flipped Classroom

**MID-TERM** 2-3 years
- Makerspaces
- Wearable Technology

**FAR-TERM** 4-5 years
- Adaptive Learning Technologies
- The Internet of Things

Infographic by the New Media Consortium (www.nmc.org)
Fast Trends: Driving changes over the next 1 - 2 years

Increasing Use of Blended Learning
Fast Trends: Driving changes over the next 1 - 2 years

Redesigning Learning Spaces
Mid-Range Trend: Driving changes over the next 3 - 5 years

Growing Focus on Measuring Learning
Mid-Range Trend: Driving changes over the next 3 - 5 years

Proliferation of Open Educational Resources
Long-Range Trend: Driving changes over the next 5+ years

Advancing Cultures of Change and Innovation
Long-Range Trend: Driving changes over the next 5+ years

Increasing Cross-Institution Collaboration
Looking at Challenges

• **Solvable Challenges**: Those that we understand and know how to solve

• **Difficult Challenges**: Those we understand but for which solutions are elusive

• **Wicked Challenges**: Those that are complex to even define, much less address
Solvable Challenges: Those that we understand and know how to solve

Blending Formal and Informal Learning
Solvable Challenges: Those that we understand and know how to solve

Improving Digital Literacy
Difficult Challenges: Those we understand but for which solutions are elusive

Personalizing Learning
Difficult Challenges: Those we understand but for which solutions are elusive

Teaching Complex Thinking
Wicked Challenge: Those that are complex to even define, much less address

Competing Models of Education
Wicked Challenge: Those that are complex to even define, much less address

Rewarding Teaching
Important Developments in Educational Technology

Categories of Tracked Technologies

Consumer Technologies
Digital Strategies
Internet Technologies
Learning Technologies
Social Media Technologies
Visualization Technologies
Enabling Technologies
Important Developments in Educational Technology, Time-to-Adoption Horizon: 1 Year or Less

Bring Your Own Device (BYOD)
Important Developments in Educational Technology, Time-to-Adoption Horizon: 1 Year or Less

Flipped Classroom
Important Developments in Educational Technology, Time-to-Adoption Horizon: 2 to 3 Years

Makerspaces
Important Developments in Educational Technology, Time-to-Adoption Horizon: 2 to 3 Years

Wearable Technology
Important Developments in Educational Technology, Time-to-Adoption Horizon: 4 to 5 Years

Adaptive Learning Technologies
Important Developments in Educational Technology, Time-to-Adoption Horizon: 4 to 5 Years

The Internet of Things
How accurate have the projections been?

Pretty darn good
Community Colleges in Hz HigherEd 2015

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Real Opportunities

SBCTC
WASHINGTON STATE BOARD FOR COMMUNITY & TECHNICAL COLLEGES

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Community College Facilities Unleash the Power of Engaged Learning

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