

NMC Horizon Project Short List: 2013 K-12 Edition

Time-to-Adoption Horizon: One Year or Less

- BYOD
- Cloud Computing
- Mobile Learning
- Online Learning

Time-to-Adoption Horizon: Two to Three Years

- Electronic Publishing
- Learning Analytics
- Open Content
- Personalized Learning

Time-to-Adoption Horizon: Four to Five Years

- 3D Printing
- Augmented Reality
- Virtual and Remote Laboratories
- Wearable Technology

Key Findings from this year's report include:

- With smartphone usage dramatically on the rise – **65 percent of students in grades 6–8 and 80 percent of students in grades 9–12 are smartphone users** – a main concern among today's digital learners is how to leverage the unique features of different devices, from laptops to smartphones to tablets or digital readers, and use them for certain academic tasks.
- **While only 21% of teachers in middle and high schools are assigning Internet homework on a weekly basis, 69% of high school seniors, 61% of high school freshman and 47% of 6th graders are online at least weekly to find resources to support their homework**
- In just one year, the number of middle school students with a personally acquired, **digital reader more than doubled from 17 percent in 2011 to 39 percent in 2012.**
- In fall 2011, 26 percent of students in grades 6–8 said that they had a personal tablet computer. **In one year's time, the percentage of middle school students with tablets jumped to 52 percent, a doubling over the 2011 percentage.**
- Despite this increase of mobile devices in the hands of students, schools are still reluctant to allow them. **Among high school students with smartphones, only half say they can use their device at school and only nine percent of students say they can use their personal tablets at school.** With 73 percentage of high school seniors saying they have a laptop, only 18 percent of the Class of 2013 say they are allowed to use their personal laptop at school.