

Laptops are the single most reported distracter to both users and fellow students.

(Fried 2008, Zhu et al 2011)

Laptop & device use is negatively correlated with understanding of course material and overall course performance.

(Hembrooke & Gay 2003, Fried 2008, Patterson & Patterson 2017)

The negative effects of device use are highest among males and low performing students

(Patterson & Patterson 2017)

**the guardian** :

*Students who use digital devices in class 'perform worse in exams'*

by Richard Adams, 11 May 2016.

**SCIENTIFIC AMERICAN** :

*Students are Better Off without a Laptop in the Classroom*

by Cindi May, 11 July 2017.

**The Washington Post** :

*Why smart kids shouldn't use laptops in class*

by Jeff Guo, 16 May 2016.

## References

Carrie B. Fried (2008). In-class laptop use and its effects on student learning. *Computers & Education* 50(3): 906-914.

Helene Hembrooke and Geri Gay (2003). The Laptop and the Lecture: The Effects of Multitasking in Learning Environments. *Journal of Computing in Higher Education* 15(1): 46-64.

Richard W. Patterson, Robert M. Patterson (2017). Computers and productivity: Evidence from laptop use in the college classroom. *Economics of Education Review* 57: 66-79.

Erping Zhu, Matthew Kaplan, R. Charles Dershimer, Inger Bergom (2011). Use of Laptops in the Classroom: Research and Best Practices. *University of Michigan CRLT Occasional Paper* 30.

