



SMARTPHONES, LAPTOPS AND THE CLASSROOM

Robert Payne and Russell Williams

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AUP – Teaching and Learning Center



Personal tech is already in the classroom

- Digital natives
- Laptops, tablets and smartphones
- Bernard R. McCoy, 'Digital Distractions in the Classroom', (2013)
- 777 students surveyed; 6 US universities
- « The average respondent used a digital device for non-class purposes 10.93 times during a typical school day for activities including texting, social networking and emailing »
- « More than 80% of the respondents indicated such behavior caused them to pay less attention in the classroom and miss instruction »

Personal tech is already in the classroom

- James M. Lang, 'No, Banning Laptops is Not the Answer', *The Chronicle of Higher Education*, September 11, 2016
- « Devices have backed their way into high-school and elementary classrooms, and students in college will continue to want access to tools that have been present since their earliest school experiences »
- « The classroom should serve as an active laboratory of learning, a place where students engage with the course material through multiple cognitive streams »

But

- Pam A. Mueller & Daniel M. Oppenheimer, 'The Pen is Mightier Than the Keyboard', *Psychological Science*, 2014
- « When laptops are used [] to take notes, they may [...] be impairing learning because their use results in shallower processing »
- « Students who took notes on laptops performed worse on conceptual questions than students who took notes longhand »



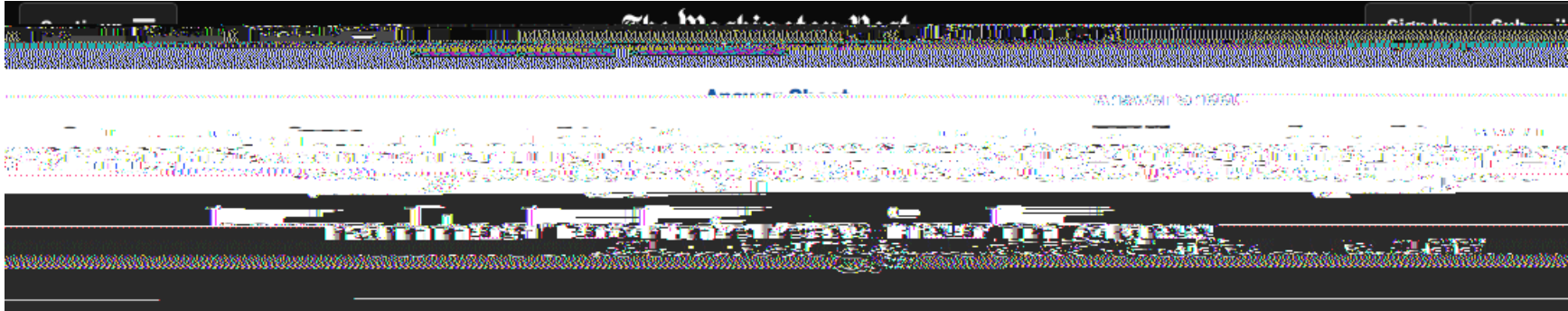
But

- Helene Hembrooke and Geri Gay, 'The Laptop and the

But

- Louis-Philippe Beland & Richard Murphy, 'Ill Communication: Technology, Distraction & Student Performance', CEP Discussion Paper No. 1350, 2015
- Relationship between student achievement and banning mobile phones (four English schools)
- « increases in performance are driven by the lowest achieving students »
- Higher achieving students weren't really impacted
- « restricting mobile phone use can be a low-cost policy to reduce educational inequalities »

But



Clay Shirkey, New York University, 2014

« Allowing laptop use in class is like allowing boombox use in class – it lets each person choose whether to degrade the experience of those around them »



Productive uses for smartphones

1. Notifications, eg. Remind.com
2. Quick answers or Googling
3. Audience feedback, eg.



Productive uses for laptops

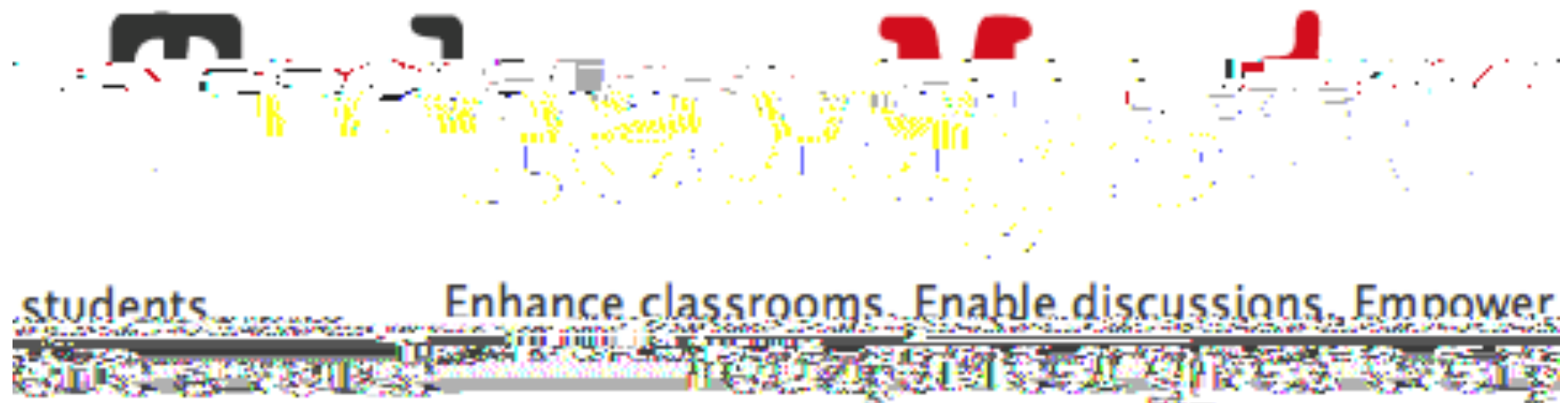
Collective mapping and diagramming

Coggle

Creately

XMind

Today's Meet



Google Drive

