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Terrence Richard Blackman* (tblackman@math.mit.edu), 77 Massachusetts Ave, 2-279, Cambridge, MA 02139. *Maple, Mathlynx and The Tablet PC: On the emerging electronic classroom.* Preliminary report.

Tablet PC's are traditional notebook computers with the ability to process handwriting with a electronic pen. The ubiquity of the iPad and other "Tablets" have intensified the debate as to the potential these tools possess for educational use. This paper describes the author's experience using the Tablet PC combined with the Mathlynx Electronic Calculus Text and the Maple Computer Algebra System to conduct Single and Multivariable Calculus Courses at Medgar Evers College over the last three years. Using the Microsoft OneNote software, the Tablet PC was used in the classroom as an enhanced digital whiteboard. The lecture material was archived on Blackboard and made available for future reference by the students. The author offers some insight into the challenges and opportunities concomitant with the use of these tools. Two questions are explored: Do these tools have the potential to positively affect student engagement in the classroom? To what extent do these tools aid in the long term development of a deep conceptual understanding of mathematics? (Received September 22, 2012)