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Mike May* (maymk@slu.edu), SLU, Dept of Math & CS, 220 N Grand Blvd, St Louis, MO 63103. *Technology in the classroom: From slide rules to graphing calculators to computer applets*. Preliminary report.

The last third of the 20th century saw a shift in technology for the typical mathematics classroom, going from slide rules to graphing calculators, for the most part skipping over the scientific calculator in the process. As computers and computer like devices have become a standard part of the collegiate environment it is worthwhile asking what leads a technology to be skipped or routinely incorporated into a classroom. In this talk I will address how I see computers being incorporated into a standard classroom with a focus on applets over CAS. Pedagogical issues that accompany any shift in technology will also be addressed. Some time will be devoted to other approaches to incorporating computers into the mathematics classroom. (Received September 12, 2010)