

The table below shows how the Massachusetts 2008 Technology Literacy Standards and the writing standards of the 2011 *Massachusetts Curriculum Framework for English Language Arts and Literacy* also address keyboarding.

Keyboarding in the Massachusetts Technology and ELA/Literacy Standards	
MA 2008 Technology Literacy Standards and Expectations	MA 2011 English Language Arts Standards
	Grade PreK MA.ELA-Literacy.W.PK.6 Recognize that digital tools (e.g., computers, cell phones, cameras, or other devices) are used for communication and, with support and guidance, use them to convey messages in pictures and/or words.
	Grade K + 1 + 2 CCSS.ELA-Literacy.W.K.6, CCSS.ELA-Literacy.W.1.6 CCSS.ELA-Literacy.W.2.6 With guidance and support from adults, use a variety of digital tools to produce and publish writing , including in collaboration with peers.
Grades 3-5 TL.U.BO.I104 Demonstrate intermediate keyboarding skills and proper keyboarding techniques.	Grade 3 CCSS.ELA-Literacy.W.3.6 With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.
	Grade 4 CCSS.ELA-Literacy.W.4.6 With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.
	Grade 5 CCSS ELA – Literacy.W.5.6 With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.
Grades 6-8 TL.U.BO.M105 Demonstrate keyboarding skills between 25-30 wpm with fewer than 5 errors. (For students with disabilities, demonstrate alternate input techniques as appropriate.)	
Grades 9-12 TL.U.BO.H106 Demonstrate keyboarding techniques, including the use of keyboard shortcuts, to complete assignments efficiently and accurately. (For students with disabilities, demonstrate alternate input techniques as appropriate.)	

The following are suggested benchmarks for keyboarding speeds, proposed in a 2009 summary of research on keyboarding: “A State-wide Longitudinal Study of Elementary Keyboarding Instruction”, by Harriet Rogers:

Words per Minute (WPM) by Grade	
By Grade 2 and below	Keyboard awareness: letters and key functions
By Grade 3	10-15 WPM
By Grade 4/5	15-25 WPM
By Grade 8	25-30 WPM

References:

Massachusetts 2011 Curriculum Framework for English Language Arts and Literacy; MA 2008

Rogers, Harriet (2009) "A State-wide Longitudinal Study of Elementary Keyboarding Instruction."

<http://facstaff.uww.edu/rogersh/keyresearch/elemkeymanu2009-2010.pdf>