

ABC's and 123's



Keyboarding Strategies for K-8

Why teach keyboarding?

- NETs and MA State Standards ask/tell us to...
- We all use computers
and
- Keyboard is still the primary input device for computers

NETS Standards Technology productivity tools

- Students use technology tools to enhance learning, increase productivity, and promote creativity.
- Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.

NETS keyboarding details

- Demonstrate proper hand, finger, & body position
- Use correct finger reaches from home row to top/bottom row keys
- Perform “touch typing” or “keyboarding”
- Demonstrate proper use of special keys (Spacebar, Enter/Return, Shift, Tab, Delete, Backspace, arrow keys, Caps Lock, Ctrl, Alt, Home, Insert, and so forth)
- Use the top row of the keyboard for numeric keying
- Use the numeric keypad to key numbers

When should we begin?

- When kids begin to use computers?
- When kids are “ready?”
- When they reach middle school?
- When they reach high school?

How should we teach this?

- Hunt and Peck
- Familiarity
- “Touch Typing” output
- Keyboarding as “input”



Industrial Age vs Information Age



output vs input
touch typing vs keyboarding

Typewriter

- Industrial Age tool invented by Christopher Soles in 1873
- Reliable- offices machine by end of 19th Century - key layout prevent jamming
- First instruction by manufacturer - 1880
- Marketed by Remington
- It took public schools until 1915 to teach typing as an occupational skill.

Who should teach keyboarding?

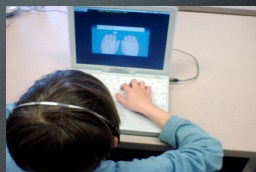
1. Business educators
2. Classroom teachers
3. Computer specialists
4. Parents
5. Self paced student directed
6. All of the above

Where should we learn keyboarding?

1. School
2. Computer Lab
3. Classroom
4. Home
5. All of the above
6. None of the above

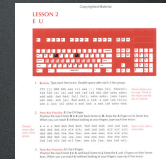
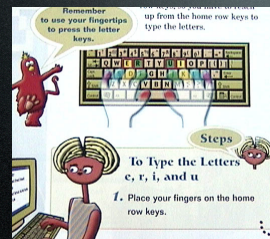
Main Methods

- Textbooks
- Software
- Online
- Other method / combination



Textbooks

- input? concepts
- copy from text to screen
- finger oriented



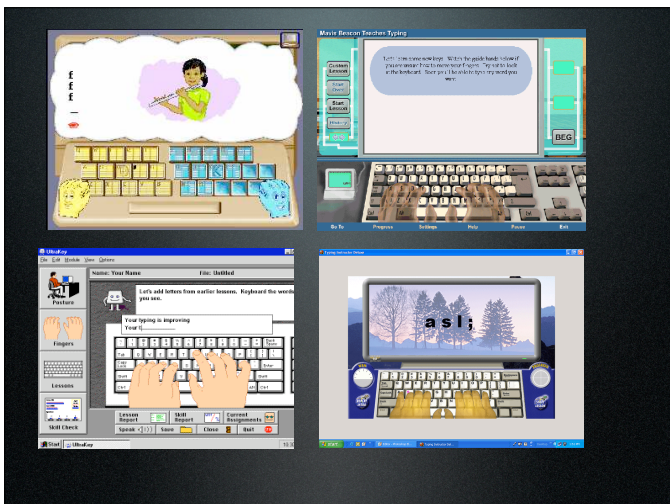
Strengths of Software

- They all work
- They have “game like” interfaces
- They make practice fun
- 20 +/- lessons - small steps
- They are visual
- Some are also auditory



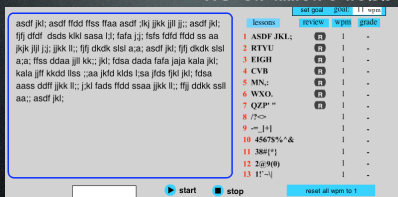
Weaknesses of texts and software

- Must “want” to learn to keyboard
- Need “watchful eye” of teacher or parent - to avoid bad habits of looking at fingers and incorrect fingering
- Earphones - necessary for software?
- Keyboard Masks - helpful!



Online

- output and input
- copy from screen
- finger oriented
- 13 or more lessons



Diana King Method Alphabet Poem

- alphabet/ hand oriented (not finger)
- multi-sensory many learning styles
- 2-4 lessons whole keyboard - immediate
- get to familiarity stage in days - hours
- framework / context makes sense
- more output oriented
 - composing...
 - thinking...
 - doing...



Diana Hanbury King

- Founder of Kildonan and Dunnabeck
- extraordinary work with students with dyslexia and dysgraphia
- www.kildonan.org



Keyboarding Skills 2nd Edition
by Diana Hanbury King
Grades -Ungraded \$20

1st Grader



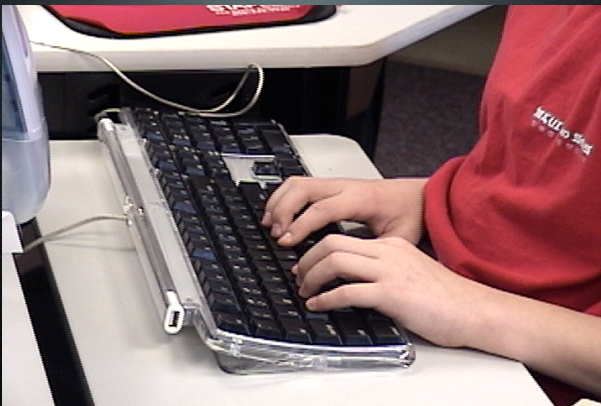
2nd Grader



2nd Grader



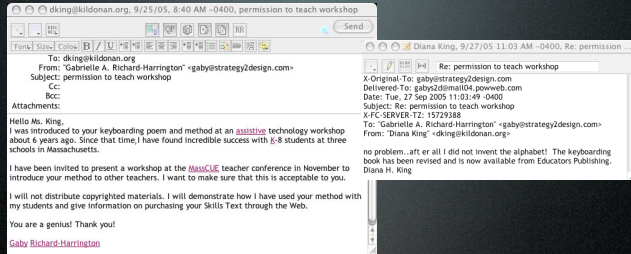
3rd Grader



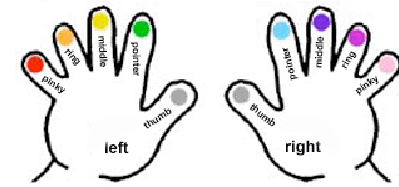
3rd Grader



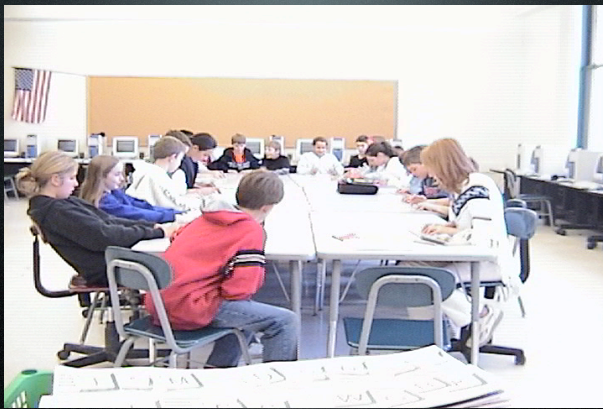
Permissions



Keyboard Practice



6th Graders



7th Graders



8th Graders



Goals

- Input
 - K-5 - 15 WPM (handwriting 11 WPM)
 - 6 - 20 WPM
 - 7 - 25 WPM
 - 8+ - 30+ WPM
 - 40 WPM "thinking speed"

Writing Process

Kristi Rennebohm Franz

- large fonts print and read
 - teacher types
 - students types
- k-2 like seeing neat letters APPEAR
- conventions in print
 - text being built from left to right
 - words in straight lines
 - spaces between words

Improving Student Learning

- Wood and Freeman 1931 study
 - Elementary students who can type improve their ELA skills
- Erickson study 1959
 - students who type complete their work faster and more efficiently
 - increases spelling and writing skills
 - published - proud

Resources

- <http://www.aboutonehandtyping.com/introduction.html>
- <http://www.crews.org/curriculum/ex/compsci/keyboarding/>
- http://websites.swlearning.com/index_school.html
- ****<http://www.growing.course.com/index.html>
- <http://www.usoe.k12.ut.us/ate/keyboarding/Articles/Wwhen.htm>
- <http://www.sasked.gov.sk.ca/docs/midlkey/>

More Keyboarding Links

- Typing Practice
<http://www.demon.co.uk/10/typing/index.htm>
- Typing Tests
<http://typing-for-kids-software-review.topreviews.com/typing-tests-help-kids-defeat-fear.html>
- Power Typing
<http://www.powertyping.com/>
- Debbie Golden - Keyboarding Class Projects
http://207.232.227.25/education/components/scrapbook/default.php?sectiondetailid=7055&sc_id=1131485034
- Keyboarding Practice
<http://www.davis.k12.ut.us/cjb/appliedtech/Business/Keyboarding/Index.html>
- Growing with Technology
<http://www.growing.course.com/index.html>
- Karzy Keyboarding for Kids
<http://webinstituteforteachers.org/~gammakeys/Lesson/Lesson1.htm>
- Keyboarding Online
<http://www.keyboardingonline.com/>
- Ergonomics and Keyboarding
<http://www.ergoweb.com/news/detail.cfm?id=449>