



BY  
ASK A TECH TEACHER

# KEYBOARDING AND THE SCIENTIFIC METHOD

# **Keyboarding and the Scientific Method**

***Ask a Tech Teacher™***

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# Keyboarding and the Scientific Method

## Essential Question

*How can keyboarding keep up with my thoughts?*

## Big Idea

*Keyboarding doesn't interfere with thinking; it makes it flow*

## Teacher Preparation

- Talk with grade-level team about the scientific method.

### Assessment Strategies

- Completed experiment thoughtfully
- Joined class conversations
- Higher order thinking: analysis, evaluation, synthesis

## Steps

**Time required:** 45 minutes in one sitting  
**Suggested grade:** Grades 3-High School

- \_\_\_\_\_ This week: Students will compare and contrast **typing vs. handwriting speed**. Discuss as a group which they think is faster—typing or handwriting a document.
- \_\_\_\_\_ Circle back on science class and the scientific method (*Figure 1*).

**Note: The scientific method varies. Talk to your science teacher and adapt this experiment to theirs.**

- \_\_\_\_\_ Discuss its steps and applicability to general problem solving.
- \_\_\_\_\_ Now apply it to the comparison of handwriting and typing speed as follows (this is done as a group):

- **Ask a question:** *Is handwriting or keyboarding faster?*
- **Do background research:** Discuss why students think they handwrite faster/slower than they type. Curious students might even research the topic by Googling, *Is keyboarding faster than handwriting?*
- **Construct a hypothesis:** Student states her/his informed conclusion: i.e.: *Fifth graders in Mr. X's class handwrite faster than they type.*
- **Test hypothesis:** Do an experiment to see if handwriting or typing is faster. Pass out a copy of a one-page document (or longer for high schoolers). Have students handwrite it for three minutes and then type it for the same amount of time. Count and record the words.
- **Analyze data:** Compare student personal handwriting speed to their typing speed. Which is faster? Discuss data. Why do some students type faster and



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others slower? Or the reverse? What problems were faced when handwriting for three minutes:

- *pencil lead broke*
- *eraser was gone*
- *hand got tired*
- *it got boring*

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deleted**

## **Other Singles from Structured Learning**

- 14 Non-writing Options to Teach Writing
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## Keyboarding and the Scientific Method



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<i>K-8 Student tech workbooks (with video, teacher manual)</i>	\$199 per grade level
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<i>K-8 Student keyboarding wkbks (with video, teacher manual)</i>	\$199 per grade level
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<i>Consulting/seminars/webinars</i>	Call or email for prices
<b>Total</b>	

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**Questions? Contact Zeke Rowe**

