

*THE INTERSECTION
OF LITERACY AND
DIGITAL LITERACY
IN THE CLASSROOM:*

*Incorporating writing
state standards with
computer technology
state standards*



Research Question

***WHAT RESOURCES COULD BE CREATED TO HELP
NON-COMPUTER TECHNOLOGY TEACHERS TEACH
COMPUTER TECHNOLOGY?***

HCDE Teacher Survey

	Elementary School	Middle School	High School	Total
English	40	41	34	115
Social Sciences	2	23	20	45
Science	3	17	31	51
Mathematics	8	25	44	77
Art	5	7	5	17
STEM Technology	19	10	14	43

Table 1. Respondents were filtered according to subject. Teachers that taught all the subjects were removed from the set to prevent double counting.



INSTRUCTION

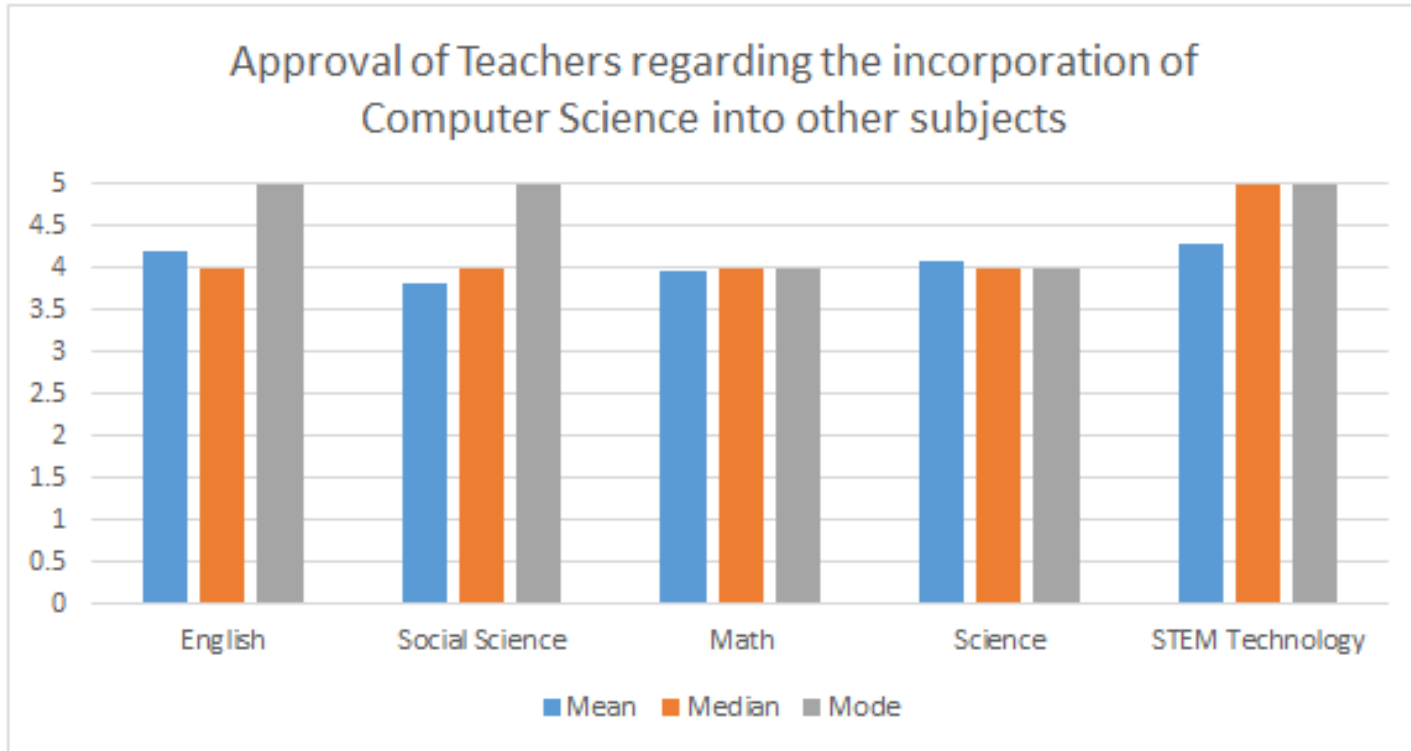


LESSON IDEAS
SUPPORTING STATE
STANDARDS



COMPUTERS / DEVICES

Top Needs



ENGLISH TEACHERS: 4.2 AVERAGE

Computer Technology Standards

- Understand basic operations and concepts of technology.
 - Understand the importance of social, ethical, and human issues associated with technology.
 - Use technology productivity tools
 - Use technology communications tools.
 - Select and use appropriate technology research tools.
 - Utilize technology problem-solving and decision-making tools.
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English Writing Standards

- Text Types and Protocol
- Production and Distribution
- Research to Build and Present Knowledge
- Range of Writing



LESSON 1

*Sources and Shortcuts:
relevancy, credibility
and efficiency oh my!*

Standards

- Research to Build and Present Knowledge of Writing Standard 8 (W.RBPK.8)
"Use search terms effectively; integrate relevant and credible information from print and digital sources; quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation."
 - Research to Build and Present Knowledge of Writing Standard 9 (W.RBPK.9)
"Support interpretations, analyses, reflections, or research with evidence found in literature or informational texts, applying grade 7 standards for reading; assess whether the evidence is relevant and sufficient to support the claims."
 - Computer Technology Standard 7.5.2 A:
"Apply appropriate electronic search strategies in the acquisition of information including keyword and Boolean search strategies."
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Outline of lesson



Engage: Students examine a famous example of fake research and discuss its strengths and the red flags



Explore: Students explore simple search strategies (such as ext:.) by playing a game



Explain: The teacher explains boolean logic and how to use it to narrow or broaden search results



Elaborate: The class discusses context, authority, and primary/secondary sources. Also discuss how stories spread online



Evaluate: Use a Kahoot quiz to give further examples of source relevancy


LESSON 2

Publications:

Presentation & Privacy



Standards

- Production and Distribution of Writing Standard 6 (W.PDW.6):
"Use Technology, including the Internet, to produce and publish writing and to interact and collaborate with other"
 - Computer Technology Standard 2:
"Students will understand the ethical, cultural, and societal issues related to technology." (subpoint: invasion of privacy)
 - Computer Technology Standard 3.1:
"Students will use technology tools to enhance learning, increase productivity, and promote creativity."
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Outline of lesson



Engage: Students examine a confusing website and discuss why proper English is important to companies online



Explore: Students learn how to make their own website using HTML



Explain: The teacher explains why the logical order is important.



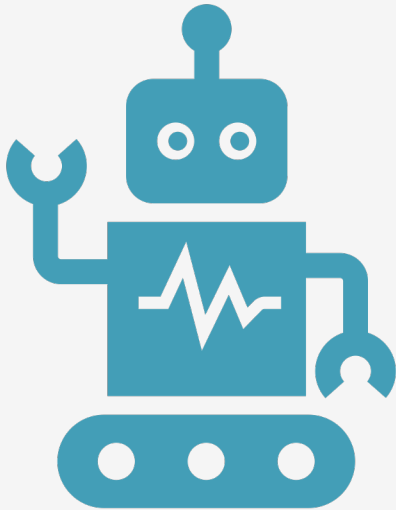
Evaluate: Students will create an outline and an "About Me" webpage



Elaborate: The class discusses privacy and debates what should or should not be published online

LESSON 3


Transitioning: Why do we still learn English?



Standards

- Text Types and Protocol of Writing Standard 1 (W.TTP.1):

“Use appropriate transitions to create cohesion and clarify the relationships among ideas and concepts. Use varied sentence structure to enhance meaning and reader interest.”
 - Computer Technology Standard 3.1:

“Students will use technology tools to enhance learning, increase productivity, and promote creativity.”
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Engage: Students will read through a technically correct piece of writing and discuss its strength and weaknesses



Explore: Students will investigate their use of transition words using a snippet of code



Explain: The teacher teaches the class about transition words and how they can be used to show relationships and logical flow



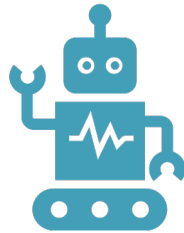
Evaluate: Students will take a piece of writing and spice up the sentence structure using transition words



Elaborate: The class discusses which words should or should not be used to transition between paragraphs

Outline of lesson

Conclusion

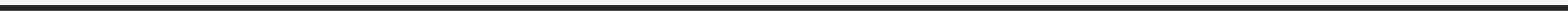


- Sources and Shortcuts: relevancy, credibility and efficiency oh my!
 - Publications: Presentation & Privacy
 - Transitioning: Why do we still learn English?
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QUESTIONS?
COMMENTS?
CONCERNS?

THANK YOU



Outline of lesson



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Explain: The teacher teaches the class about transition words and how they can be used to show relationships and logical flow



Evaluate: Students will take a piece of writing and spice up the sentence structure using transition words



Elaborate: The class discusses which words should or should not be used to transition between paragraphs