Stile X Case Study

High Tech LA Middle School

September 2023 - May 2024

The Stile team is thrilled to provide you with more information about how Stile X was used at your school, the experience of teachers and students, and how Stile X impacted assessment scores.

What is Stile X?

Stile X is a collection of hard-copy student review and note-taking booklets. They promote student agency and help students learn how to study, while they study. Every booklet contains: scaffolded note-taking for the most important concepts in every unit; a practice test aligned to the learning goals in Stile's lessons, with fully-worked model answers; a glossary of all the topic's key terminology; and study and note-taking tips that are evidence-based and age-appropriate



What are teachers and students saying about Stile X?

Student Feedback

Students were asked to answer to survey questions on a scale from 1 to 4. The average student response is reported below.

How helpful was Stile X in your understanding of the scientific topics?

3.3

How easy was it to understand the writing prompts and instructions in Stile X?

3.1

"I really like this way of learning."

"Stile helped me do a lot like finish my tests and pass them and it also helped [find] out new things ...like learning more things about the world."

"[Stile is] great because you guys teach science in a very simple and understandable way."

Teacher Feedback

Ms. Thorpe was asked to provide an answer to survey questions on a scale from 1 to 4. Her answers are recorded below.

The impact of Stile X on supporting your students to become autonomous learners.

4

How helpful was Stile X in supporting your students' understanding of the scientific topics?

3

"I'm seeing full sentences and paragraphs to questions in Stile X without additional prompting or support."

"You need Stile Digital and Stile X together! My students need to be able to physically write and draw things to learn best."

What is the effect of Stile X on student quiz results?

6th Grade Results	7th Grade Results
Students scored an average of 4.5% points higher on quizzes when they studied with Stile X. This equates to a 0.8 effect size.	Students scored an average of 1.3% points higher on quizzes when they studied with Stile X. This equates to a 0.5 effect size.

Sweet! What does this actually mean?

Our analyses revealed that for both grade levels, Stile X had a significant positive impact ($p<0.05$) on student quiz results. In educational research (e.g. John Hattie's Visible Learning) an effect size of 0.4 is a marker that represents a strategy that leads to a year's growth per year of schooling of student. Effect sizes greater than 0.4 indicate that Stile X can "accelerate student learning" beyond one year of growth per year of schooling.

Are there limitations to these results?

As with any statistical analysis, there absolutely are limitations to the conclusions we can draw from these results. These data are relevant just to Ms. Thorpe's classes and the HTLA context, and aren't generalizable more broadly due to the small and local dataset. Furthermore, there wasn't a true control group in this study, as students learned one topic with Stile X and another without. In a future study, it'd be ideal to have students learn the same topic: some students with Stile X access and some students without Stile X access.

Having said that, the score difference is large and consistent enough to conclude that it is likely due to using Stile X rather than random variation. The quantitative results are strengthened by the positive qualitative feedback from students and Ms. Thorpe

You can review the full methodology and analysis in the attached papers.

