



Square Panda™ Learning Apps Classroom Efficacy

Research Summary

Mountain View Whisman School District (MVWSD), Mountain View, California
2018-2019 School Year

STUDY GROUP 1: Kindergarten, Struggling Students Hypothesis

Struggling students who use the Square Panda playset and learning apps will show greater improvement on standardized literacy tests than students who don't receive the same Square Panda intervention.

About Mountain View Whisman School District

Situated outside of San Francisco, MVWSD is challenged with a highly diverse socioeconomic student population, especially with early literacy skills and particularly with language learning.

Intervention

- Teachers received standard Square Panda classroom roll-out training
- Test group students used the Square Panda playset and learning apps as part of existing literacy center rotations two to four times per week

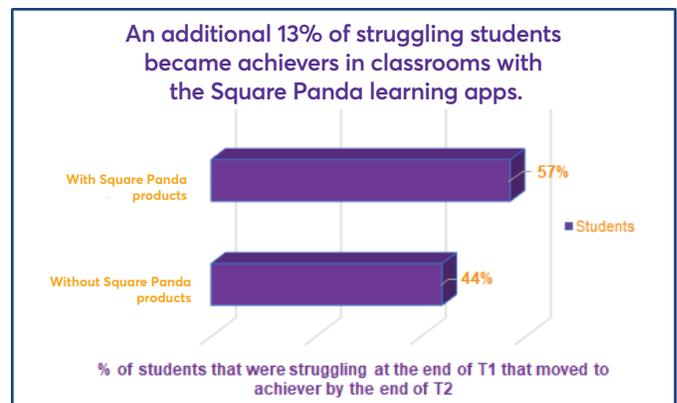
Methodology

- Regular Kindergarten classes across five schools within the same district
- Two schools received Square Panda playsets and learning app access and three randomly selected schools did not; all were selected by the district
- 340 Kindergarten students total
 - 136 in test group (with Square Panda products)
 - 204 in control group (without Square Panda products)
- All students were tested on letter sounds immediately before and after intervention
- Of the 340 students, 60 tested as "struggling" in literacy *prior* to the intervention period

Conclusion

The research trial showed encouraging trends to support the efficacy and use of the Square Panda playset and learning apps for Kindergarten students struggling with early literacy skills.

The data specifically shows a correlation between utilization of the Square Panda products and higher test scores.



STUDY GROUP 2: Kindergarten, High Performing Students

Hypothesis

High-performing students in classrooms where Square Panda products are used will retain or further improve their literacy skills compared to high-performing students in classrooms where Square Panda products are not used.

Intervention

- Teachers received standard Square Panda classroom roll-out training
- Test Group students used the Square Panda playset and learning apps as part of existing literacy center rotations, two to four times per week.

Methodology

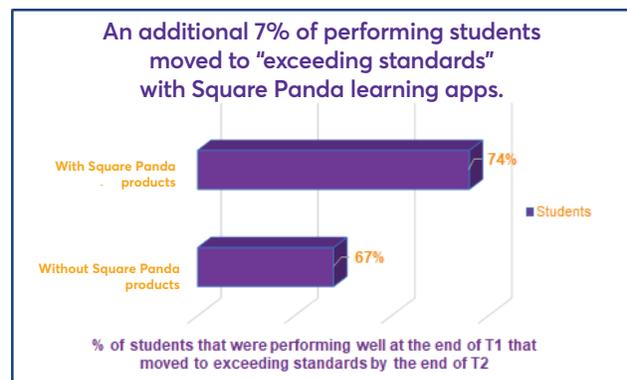
- Regular Kindergarten classes across five schools within the same district
- Two schools received Square Panda playsets and learning app access and three randomly selected schools did not; all were selected by the district
- 340 Kindergarten students total
 - 136 in test group (with Square Panda products)
 - 204 in control group (without Square Panda products)
- All students were tested on letter sounds immediately before and after a 10-week intervention period
- Of the 340 students, 280 tested at grade level or higher in literacy *prior* to the intervention period

Conclusion

The research trials show encouraging trends to support the efficacy and use of the Square Panda playset and learning apps in the classroom, even for students who are already ahead. Advanced Kindergarten students improve more with Square Panda product use.

Mountain View Whisman School District 2018-19 Data

- 5,344 Students
- 62% Non-white
- 10 Schools (PreK - 8)
- 34.5% Socioeconomically Disadvantaged
- 24.4% English Language Learners (50 languages represented)



Ayindé Rudolph Ed.D.
Superintendent, Mountain View Whisman School District

"Square Panda is a great tactile, multisensory way for our youngest students to build their letter and word recognition skills. Students gain skills at a faster rate. The data shows a 13% gain in one trimester for [English Language Learners and English-only] struggling readers versus 12% in 4 years using other programs. With a 7% gain for advanced students from "meets standards" to "exceeds standards", Square Panda is a tool that provides enrichment as well as remediation in our diverse socioeconomic district student population. We are excited to move forward with a district wide rollout of Square Panda for our kindergarten students this school year."