

# A Study of the Effectiveness of the Kindermusik Program



## Overview

To evaluate the effectiveness of the *Kindermusik* curriculum, SEG Measurement conducted a national, multi-site study following 299 preschool children during the 2012-13 school year. The *Kindermusik* program is a supplemental early childhood curriculum that uses music and movement to engage young children while teaching a variety of skills critical to later school success. Extensive at-home materials, provided to parents monthly with each new curriculum unit, inform families of their children's classroom experiences and provide the means for continuing classroom learning at home.

## About Kindermusik

Kindermusik International is the world's leading provider and publisher of early childhood music-and-movement programs. Kindermusik programs serve millions of families in more than seventy countries. The *Kindermusik@School* curriculum allows any classroom teacher, whether musically trained or not, to use music as a way to teach important language, listening, and social skills.

The curriculum is delivered through a series of thematic 30-minute weekly lessons.

*Kindermusik* lessons build on the young child's natural love of music, stories, movement, and pretend play. Age-appropriate activities are designed to develop and strengthen each student's early literacy skills, fine- and gross-motor skills, social-emotional skills, and early math skills through theme-related songs, poems, and stories, and through movement, singing, dancing, and instrument play. New themes, activities, and stories are introduced in class monthly, and parent involvement is encouraged through the accompanying music, activities, instruments, and parent tips that are provided in monthly sets of Take-Home Materials.



“The most effective aspects of Kindermusik are that the children all participate and have fun doing the different activities each week. The lesson plan is easy to follow. The assessment forms from fall to spring show growth in many areas . . . Overall I feel that Kindermusik has now become a daily part of my lesson plan, and I am looking forward to using the program next year.”

- Preschool teacher who used Kindermusik during the 2012 - 2013 school year

## Study Design

The study examined the effectiveness of the *Kindermusik* program by comparing the growth in language and literacy skills among preschool students receiving the *Kindermusik* curriculum to a comparable group of preschoolers who did not receive the *Kindermusik* program.

The study incorporated a pre- and post-test treatment- and control-group design. All participating students took the Phonological Awareness Literacy Screening (PALS) Pre-K Assessment\* at both the beginning and end of the school year. Students in the treatment group received *Kindermusik* instruction and activities as part of their preschool curriculum during the school year. Students in the control group did not receive any *Kindermusik* instruction or activities.

Students in the control and treatment groups attended the same or comparable schools, and statistical analyses were conducted to ensure that the groups were comparable. Analysis of Covariance was used to compare treatment and control-group performance on the post-test while controlling for any initial differences in ability.

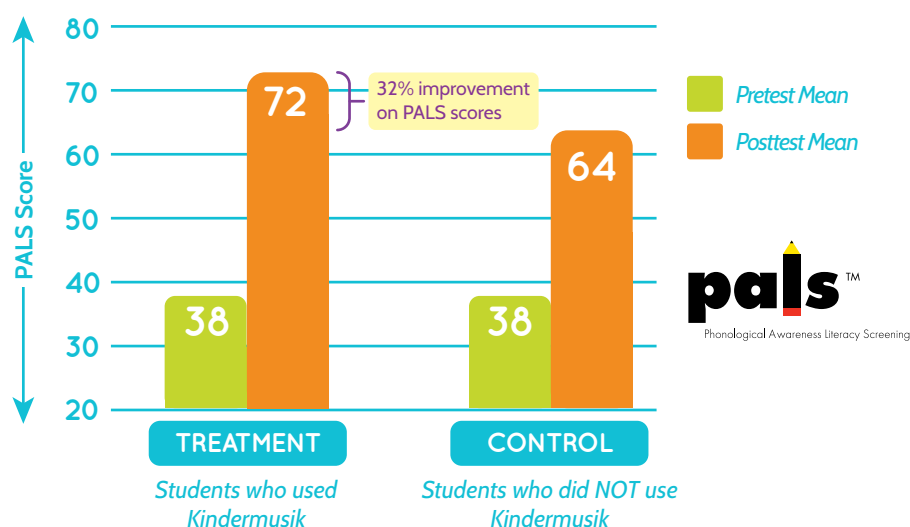
Teacher and parent feedback regarding *Kindermusik* was also collected through biweekly teacher surveys on curriculum usage, an end-of-year teacher survey, a classroom environment survey, and two parent surveys investigating families' use of the *Kindermusik* Home Materials.

## Results

The results of the study show that students who received *Kindermusik* instruction showed significantly larger gains on the PALS test than did students who did not receive *Kindermusik* instruction. In fact, *Kindermusik* students showed 32% more improvement on the PALS test than did control group students. These results indicate that the *Kindermusik* program successfully boosts preschoolers' language and literacy skills.



## ADJUSTED PRETEST AND POSTTEST PALS SCORES



\* The treatment group gained 34.06 points on the PALS test between the pre- and post-tests whereas the control group gained just 25.83 points. The difference of 8.23 points represents a 32% greater gain by the treatment group.

Results from teacher surveys indicate that preschool teachers found the *Kindermusik* curriculum to be effective in teaching a variety of skills, and would strongly recommend it to other preschool teachers, and that parents would recommend the program to other parents.

## Conclusions

Students who participated in *Kindermusik* showed significantly greater gains in language and literacy skills than students who did not receive *Kindermusik* instruction.

Teachers who used *Kindermusik* found the program to be effective in many areas. Both teachers and parents would strongly recommend the program to others.

**\*About PALS:** The PALS-(Phonological Awareness Literacy Screening (PALS) Pre-K Assessment is a scientifically-based phonological awareness and literacy screening that measures preschoolers' developing knowledge of important literacy fundamentals and offers guidance to teachers for tailoring instruction to children's specific needs. The assessment reflects skills that are predictive of future reading success and measures name writing ability, upper-case and lower-case alphabet recognition, letter sound and beginning sound production, print and word awareness, rhyme awareness and nursery rhyme awareness.