



Studies on our apps:

Kids Sound Lab PRO and Frog game 1,2,3 and Frog game-School

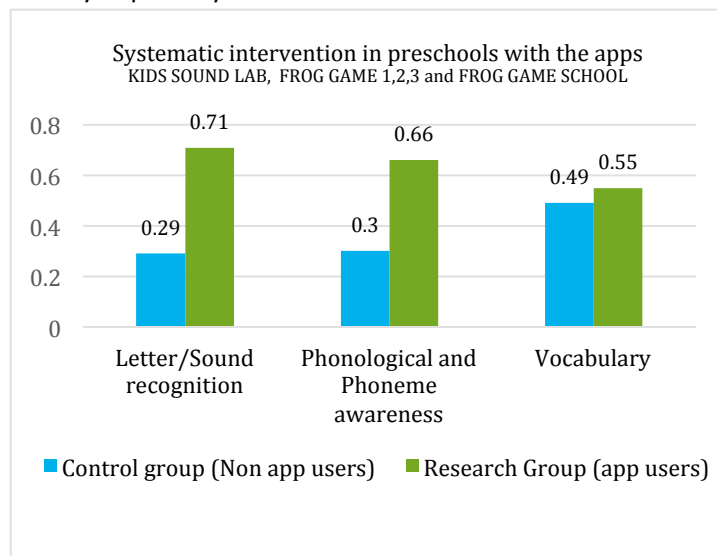
Use of tablets for teaching has grown significantly in pre- and primary schools. Despite this increase and constant technological growth there is very little research available on the effectiveness of interactive teaching in the form of apps.

Two studies have been conducted on the systematic use of the apps: **Kids Sound Lab** and **Frog games 1,2,3** and **Frog game School** in preschools to prepare literacy and correct articulation. The apps are based on a very simple approach with a model for every sound/letter taught.

RESEARCH 2016

A **new study** shows that systematic use of the apps “Kids Sound Lab” and “Frog Game 1,2 and 3” in preschool, gives significantly more progress in basic skills necessary for reading, over traditional preparation for literacy in primary schools.

The results revealed that the research group (*users of the Icelandic versions of Kids Sound Lab and Frog Game*) showed significantly better phonological- and phoneme awareness and alphabetical- and sound recognition skills than the control group. *Phonological- and phoneme awareness (F (4, 72) = 17,831; p < 0,001) alphabetical- and sound recognition skills (F (4, 72) = 30,699; p < 0,001)*



RESEARCH 2014

This research also showed significant results by using the app Kids Sound Lab. Before using the app, at-risk children for illiteracy showed much poorer preparatory skills for reading than children in a control group from three other schools when starting 1.grade. A large number of the at-risk children also had multiple articulation errors. Correlational study (SPSS statistical analysis) revealed that undergoing the *Kids Sound Lab* program, “children at-risk” in School 1 showed significant greater progress than children in the other three schools using other traditional methods to teach reading. *This research was conducted by Bryndis Gudmundsdottir and the Education office of Reykjanesbaer, Iceland. SEE FURTHER INFO.*

Participants

2016

Participants were 43 Icelandic children born in 2009, who started their first grade primary school education in the fall of 2015. In comparison there were 35 children, also born in 2009, from three different preschools that had not used the apps.

2016

The study was conducted in Iceland, 2016 by Audur Aevardsdottir, M.A – SLP and published in her Masters Thesis, Dec. 2016, supervised by Sigridur Magnusdóttir, Phd. Professor in Speech Pathology. University of Iceland, Department of Medicine.



Consultants for the app *Kids Sound Lab* are Dr. Barbara Hodson at Wichita State University, KS, and Dr. Katherine Abbott Verdolini at University of Pittsburg, PA, leading specialists in the field of Articulation, Phonology and Voice.