

Online program to support children with reading difficulties helped them make significant progress, study shows

October 21 2022



Credit: CC0 Public Domain

An innovative programme to support children with reading difficulties helped them make significant progress when used online, new analysis

shows.

Own-Voice Intensive Phonics (OVIP) approach is a computer-assisted instruction system which has already been shown to be effective as part of face-to-face tuition as part of previous research.

The first evaluation study of the online use of OVIP for children with [reading difficulties](#)—tested during the coronavirus pandemic—shows those who used it then made a 3.2-year mean word reading age gain over a 19 to 22-week period.

Questionnaire data from pupils and parents from the end of OVIP session and parent-reported data at a one-year follow-up demonstrated an overall increase in [pupil](#) reading skills and self-confidence that transferred into wider confidence and engagement for some pupils.

The research, by Eleni Dimitrellou, Philip Macmillan and Brahm Norwich from the University of Exeter, is published in the journal *Jorsen*. Dr. Macmillan and Professor Norwich developed OVIP.

The OVIP method involves pupils reading the text of the lesson out loud in response to the teacher or teaching assistant's prompts, and the pupil's speech is audio-recorded until it is read without error. The pupil then listens to the audio recording of his/her own voice, reading the text, writing the words heard and creating an error-free written record of the lesson with support and checking by the teacher/ TA. The pupil later repeats the second step independently, ideally three additional times, writing the lesson in response to the audio recording, then checking the accuracy of the new written lesson against the original written record.

During the pandemic fifteen pupils participated in sessions online: nine boys and six girls aged between 7 and 12. Eight had been diagnosed with dyslexia.

All [pupils](#) who responded to a survey (8 out of 8) agreed that OVIP had helped them with their reading and seven said they enjoyed the OVIP programme.

Most parents (56 percent) rated their child's progress in reading and self-confidence as a reader 4 out of 5. Six out of the nine parents who completed a survey said OVIP enabled their child to develop their self-confidence and feel better about themselves.

Some parents (5 of 9) reported that their child's reading and writing had significantly improved since their participation in OVIP. Four had noticed a positive change in how their child takes on challenges and learns from them.

About half of the parents (4 out of 9) expressed that OVIP increased their child's motivation to improve their reading abilities and helped them shape positive attitudes towards reading for pleasure and, thus, achieve a life skill.

As part of a separate survey a year later 12 out of 13 parents who took part reported a positive change in their child's self-confidence. Eleven reported an enhancement in their child's reading and writing.

One parent said: "OVIP has made a significant improvement to our son's reading and improved not only his confidence in reading but consequently his overall confidence & restored a belief in his own ability to achieve. He finished his term at school, winning the most awards in the whole school!".

The word reading gains for the 15 children ranged from 1.9 to 4.0 reading age gain and a word reading ratio gain of 7.6 (ranging from 6.4 to 9.4).

More information: Eleni Dimitrellou et al, Using OVIP online: a teacher-mediated computer-assisted programme for pupils with reading difficulties, *Journal of Research in Special Educational Needs* (2022).
[DOI: 10.1111/1471-3802.12576](https://doi.org/10.1111/1471-3802.12576)

Provided by University of Exeter

Citation: Online program to support children with reading difficulties helped them make significant progress, study shows (2022, October 21) retrieved 25 June 2024 from <https://phys.org/news/2022-10-online-children-difficulties-significant.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.