

Learning a second language is good childhood mind medicine, studies find

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Kamal de Abrew, Cornell Ph.D. '81, and a professor at the American National College in Sri Lanka, tests a child in the Sinhala language. Image: James Gair

(PhysOrg.com) -- Teaching young children how to speak a second language is good for their minds, report two Cornell linguistic researchers.

Learning a second language does not cause language confusion, language delay or cognitive deficit, which have been concerns in the past. In fact, according to studies at the Cornell Language Acquisition Lab (CLAL), [children](#) who learn a second language can maintain attention despite outside stimuli better than children who know only one language.

That's important, say Barbara Lust, a [developmental psychology](#) and linguistics expert, professor of human development and director of

CLAL, and her collaborator, Sujin Yang, former postdoctoral research associate at the lab, because that ability is "responsible for selective and conscious cognitive processes to achieve goals in the face of distraction and plays a key role in academic readiness and success in school settings."

In other words, "Cognitive advantages follow from becoming bilingual," Lust says. "These cognitive advantages can contribute to a child's future academic success."

The most effective way to learn a second language, they say, is to put the young child in situations where the second language surrounds them. "We find that children learning a second language in an immersion setting show an overall success rate of grammatical knowledge similar to English monolinguals," says Yang, now a postdoctoral fellow at the University of Toronto at Scarborough and at York University in Toronto.

And the earlier that a child learns a second language, they say, the more likely the child will more quickly attain natively like language proficiency.

Lust has been exploring language acquisition in young children for more than 30 years, across more than 20 different languages and cultures, studying which aspects of language acquisition are biologically endowed and which are learned, when and how language acquisition begins and how multiple language acquisition affects cognitive development in children.

"One of the greatest feats of human development is learning language," says Lust. It's remarkable, she says, "how well equipped children are, beginning at birth, to accomplish the complex task of learning language."

For five years, Lust has been exploring the effects of bilingualism in young children with Yang, who led a series of studies with children of 3

to 6 years of age and comparison adults. The two have co-authored several papers.

"This collection of multilingualism projects, along with many research results from other labs across the world, affirms that children can learn more than one language, and they will even do so naturally if surrounded by the languages. The mystery of first-language acquisition is intensified when we realize that a child can and does naturally acquire more than one language at once," says Lust, a founding member of the National Science Foundation-funded Virtual Center for the study of Language Acquisition (VCLA), which integrates research findings from such diverse fields as linguistics, developmental and experimental psychology, and neuroscience from around the country and the world.

In the CLAL, in conjunction with the VCLA and with Yang, Lust and her colleagues are also looking at longitudinal case studies of several [young children](#) acquiring English for the first time at 3 years of age through immersion in local nursery schools.

Tips to teach a child a second language

- Surround the child with more than one language through conversations and social groups using different languages; the earlier the better.
- Maintain home (heritage) language when a second language is being learned outside the home.
- Expose children to multilingual settings and give them plenty of opportunities to play with children who speak the second [language](#).
- Provide fun and interactive language-learning environments (e.g., music, dance and film) in both languages, and often with children of similar age.
- Promote reading and storytelling in multiple languages.
- Maintain a positive attitude toward languages and cultures children learn.

Provided by Cornell University ([news](#) : [web](#))

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