



Learning a new language as an adult is so difficult because these circuits have become strongly tuned to the language someone grew up with. But as someone practices the new language more and more, the circuits start becoming tuned to that language as well.

If we use TMS to stimulate those circuits while someone is trying to learn a new language, since the circuits are far better tuned to the person's native language, they're less likely to take in information about the new language, making it much harder for the person to learn and remember it.



By applying TMS to the various circuits that are resonsible for learning and remembering new languages, we can determine which circuits correspond to which components of the language that's being learned depending on which components the TMS interfered with.