Can we use computers to evaluate deaf and hard of hearing student's ASL vocabulary? Yes we can quickly and easily establish a base line. Can we correlate their English vocabulary to the ASL baseline. Yes. Can we accelerate their vocabulary acquisition and spelling ability? Yes. Can we improve their ability to use "Academic ASL" which translates to better reading scores? Yes. Can we improve their metacognitive skills? Yes. Can we improve their standardized test taking skills? Yes. Can we improve their ability to write standard English? Yes. Can we increase their awareness of Cultural Literacy? Yes. Can we assist in understanding the moral of a story? Yes. Can the computer quickly and easily document the student's progress in these areas? Yes. Is it possible to teach students with no signing skills 30 signs in ten minutes? Yes. Does this tool aid teachers in explaining metaphors, similies, and figurative language? Yes. This presentation will demonstrate how this computer program accomplishes these goals.