

1145-F5-2645 **Winfried Just*** (mathjust@gmail.com), Winfried Just, Department of Mathematics, Ohio University, Athens, OH 45701. *Teaching linear algebra through dialogues.*

We all teach through dialogues. When a student comes to our office hours, we guide that student through the process of learning by trial, error, discussion, critique of prior attempts, corrections, and trying again. This method works. Can we use it in a large classroom?

Of course not. Imagine putting a group of students in front of the class and having them discuss their attempts at selected homework problems, giving each other feedback on their trials and misconceptions, while the entire class comments on their mistakes. Impossible. Don't even try to think of those angry phone calls from parents and from the Dean.

But how about putting imaginary students in front of the class, script their dialogues so that these characters make all the right mistakes, and have the real students join the discussion through an electronic feedback system? Still impossible?

The presenter developed and is teaching a linear algebra course in the format described above and will show samples of these dialogues. Does the method work? Come to the talk and judge yourself! (Received September 25, 2018)