



1840051 “The future of classroom work: Automated Teaching Assistants”  
Kurt VanLehn, Arizona State University, kurt.vanlehn@asu.edu

## How FACT helps teachers manage groups working on challenging problems

- Instrumented classroom
  1. Student: Microphone & computer with shared workspace
  2. Teacher: Microphone & tablet with dashboard
- While the teacher visits a group, FACT keeps other groups working productively and collaboratively
  1. Remind to explain
  2. Remind to collaborate
  3. If stuck, give re-engagement feedback
  4. If done, assign new work
- FACT maximizes the teacher’s time with groups by minimizing other time
  1. Quickly decide which group to visit. And what issues to address.
  2. Quickly decide if done with activity. If so, quickly transition.
  3. Quickly decide if whole class needs advice. If so, do it efficiently.

