

# Technology to Support the Expression of Meaning

# An arranged marriage

- Representations/expressivity
- How can we use technology to expand students' expressive potential? (rather than limit it)
- What is the trade-off between representations with pre-defined meaning and expressions created “from scratch” in terms of automated feedback?

# Variability

- Subject matter: primarily math, but one project on science.
- Elementary through high school, professional development
- Projects at different stages of implementation/research

# Format

- Each project will give a 5-minute introduction to its work.
- Each project will do 15-minute demo/description of its work at individual tables.
- Participants will be able to visit three tables (15 minutes each).
- We will come back together for a discussion for the remaining time.

# Discussion

- What principles can help us organize learning activities to take advantage of the new opportunities technological tools provide for expressing meaning?
- How can the roles of students and teachers change in technology-enhanced classrooms?
- What are the most important affordances of technology in supporting students in making and expressing meaning?

- What are potential pitfalls in using technology as an expressive medium?

# Presenters

- Kimberle Koile, MIT and Concord Consortium
- Jeremy Roschelle, SRI
- Bill Finzer, KCP Technologies
- Dan Scher, KCP Technologies
- Eric Wiebe, North Carolina State University
- Eric Hamilton (on video), Pepperdine University; Lynette and George Foe-Aman