Technology Trends, Uses, and Challenges in California Schools

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Trend: Networks of Two Kinds

- **Distance Learning:**

- **Within Classroom:**
Trend: Handhelds and Mobile Devices
Trend: Expressive Output and Input
Research-Based Practice: Visualization, Simulation, Dynamic Tools

SimCalc

Mean difference score (post - pre)

Experimental Group

Control

Treatment
Research-Based Practice: Collaborative Learning & Formative Assessment

TechPALS
Research-Based Practice: Knowledge Work in the Classroom

GroupScribbles
Challenges

Infrastructure:
- Power, Charging Batteries
- 99.9% uptime
- Safe networks

Issues:
- Should we allow cell phones?
- Integrating fixed displays (boards) and students’ devices
- Arranging space when the sage is no longer on the stage
- Design space for classrooms doing knowledge work