Technology Trends, Uses, and Challenges in California Schools

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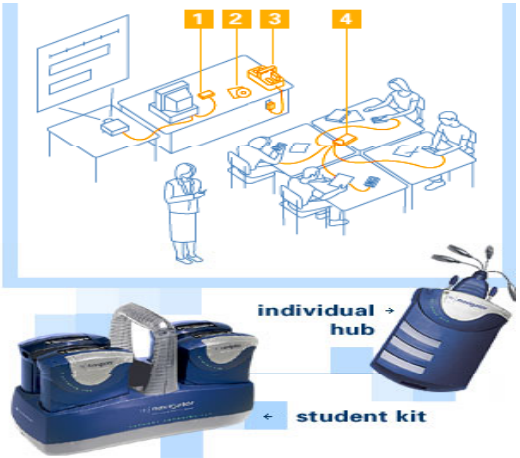
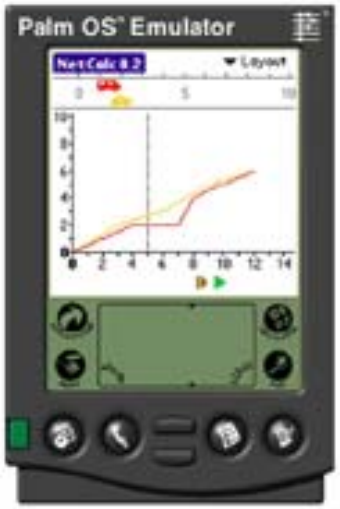
Trend: Networks of Two Kinds

- **Distance Learning:**

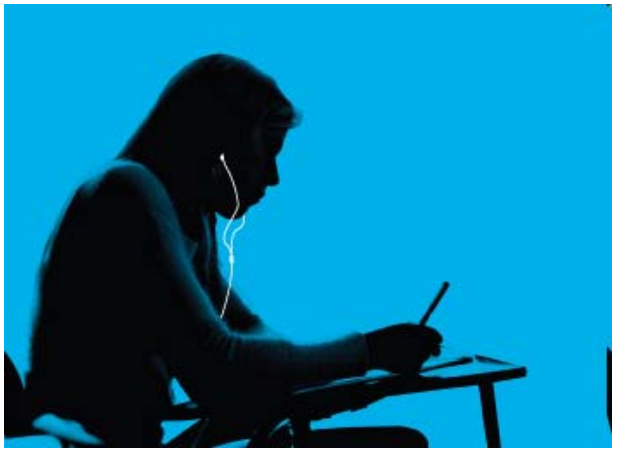
- **Within Classroom:**

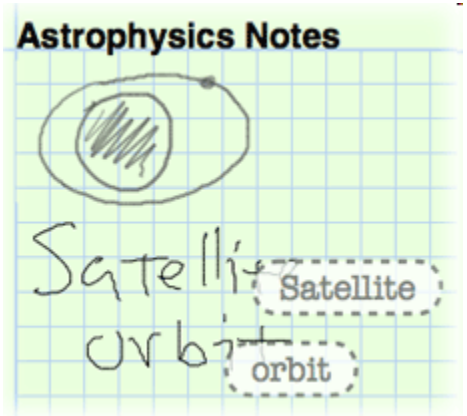


Trend: Handhelds and Mobile Devices

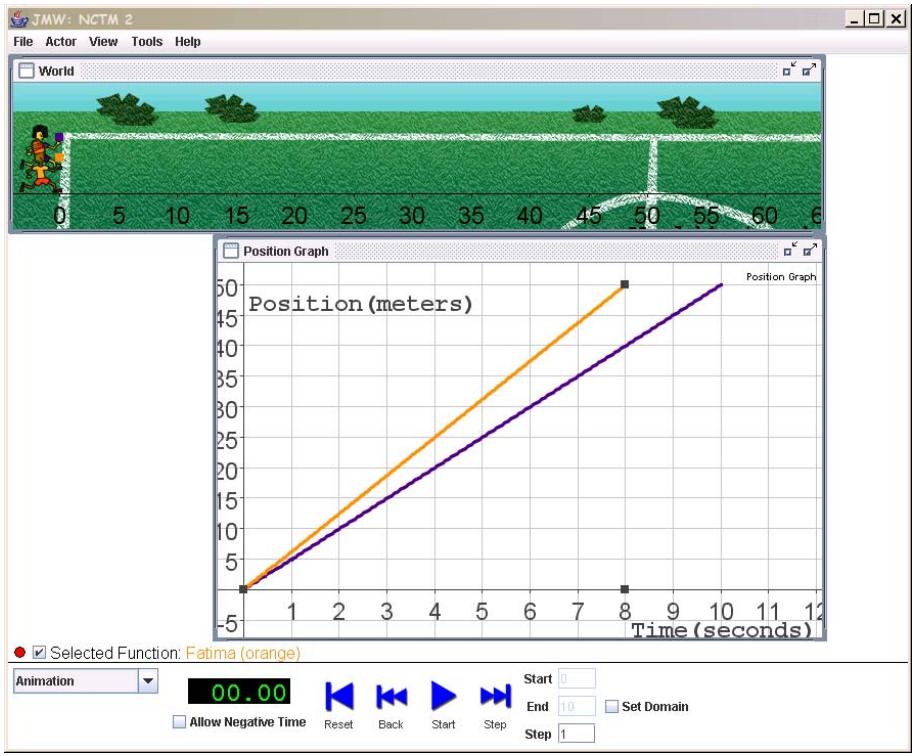


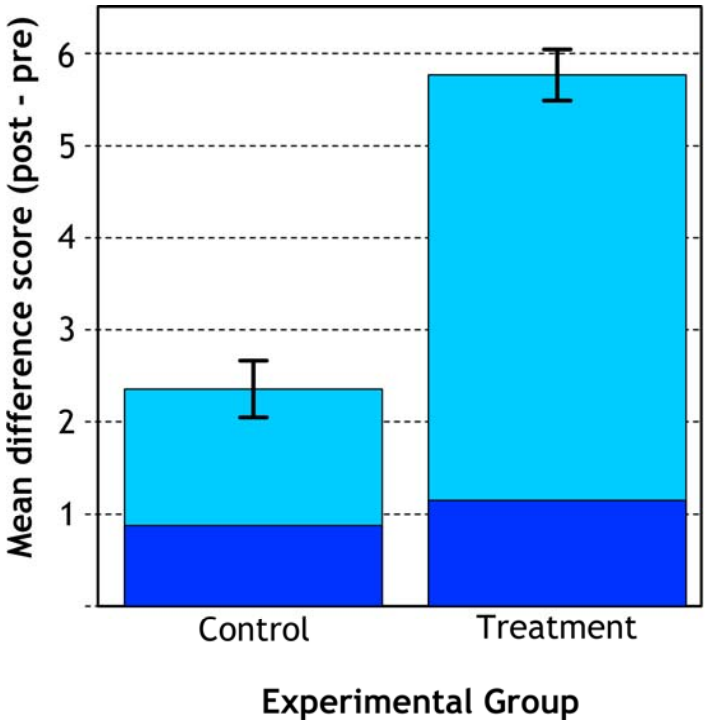
Trend: Expressive Output and Input





Research-Based Practice: Visualization, Simulation, Dynamic Tools





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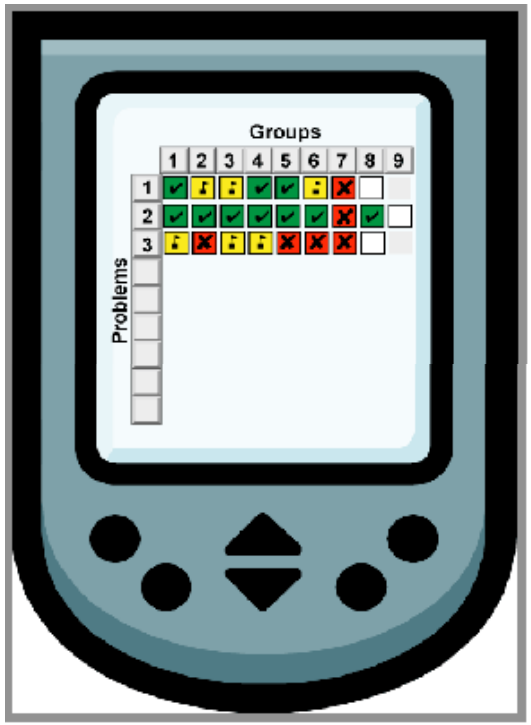
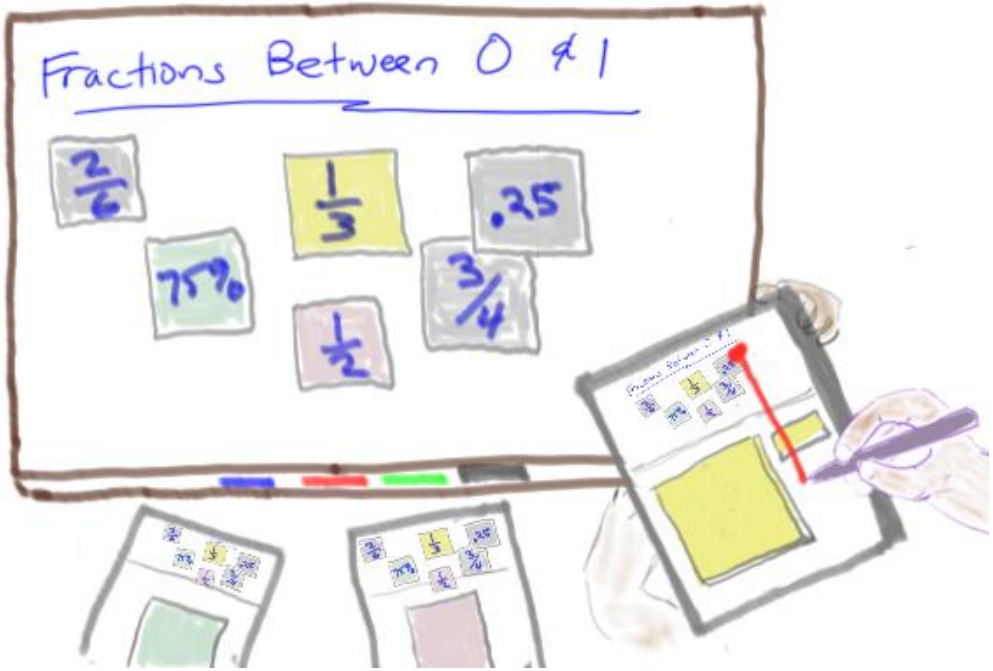
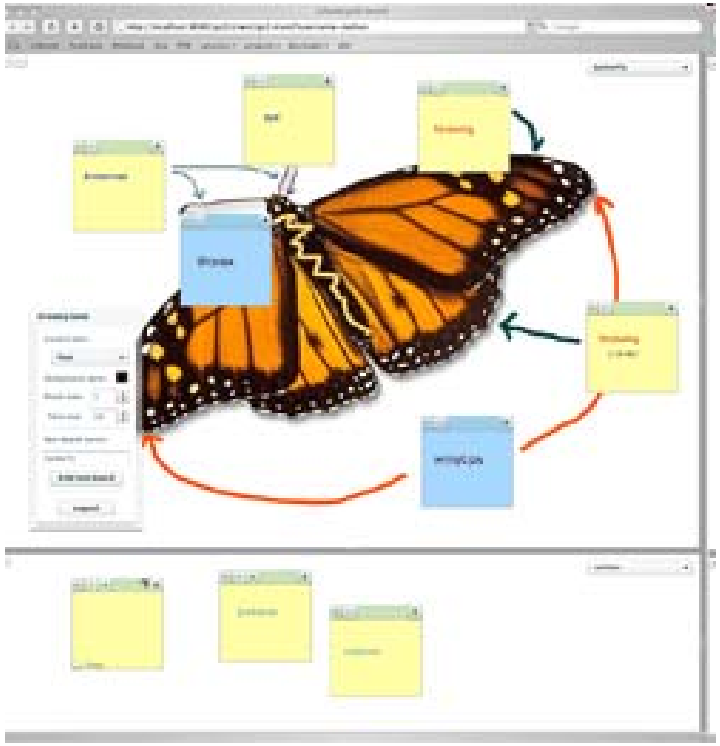
Research-Based Practice: Collaborative Learning & Formative Assessment



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