

Technology Trends, Uses, and Challenges in California Schools

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Trend: Networks of Two Kinds

Distance Learning:

The screenshot shows the Florida Virtual School website. At the top, there is a navigation menu with links for Home, About Us, FLVS Courses, Students & Parents, Educators, Outside Florida, and Contact Us. A prominent 'APPLY NOW!' button is visible in the top right. On the left, there is a 'FLVS Login' section with fields for Username and Password, a 'Login' button, and a link for 'Forgot Username or Password'. Below the login section is a 'Search FLVS' box. The main content area features a news article titled 'New Partnership Provides Full Time K-8 Options' with a sub-headline 'Florida Students Middle & High School students can'. To the right of the article is the logo for 'Florida Virtual School's CONNECTIONS ACADEMY'. Below the article is another 'APPLY NOW!' button and a 'QUICK LINKS' section with links for 'Application FAQs' and 'Course Listing'.

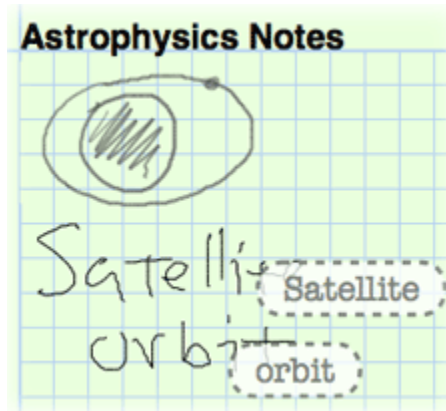
Within Classroom:



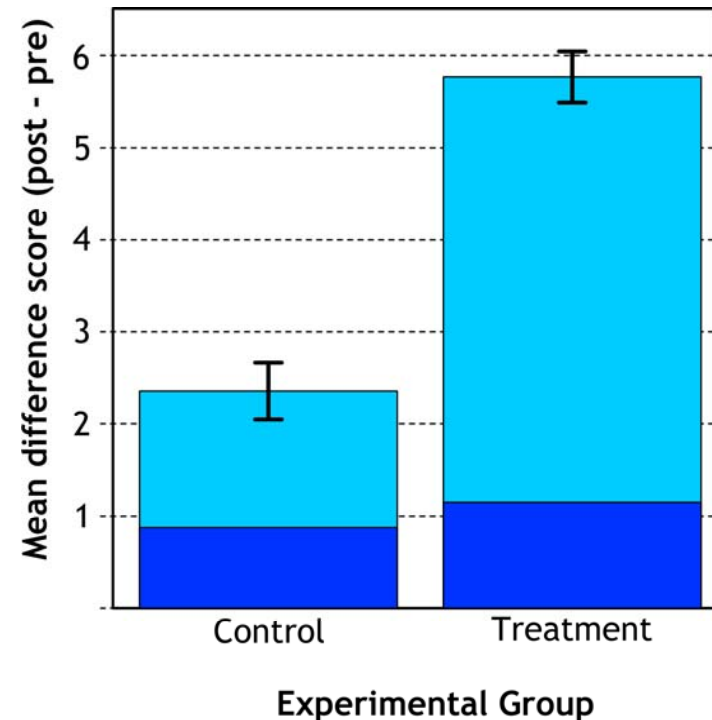
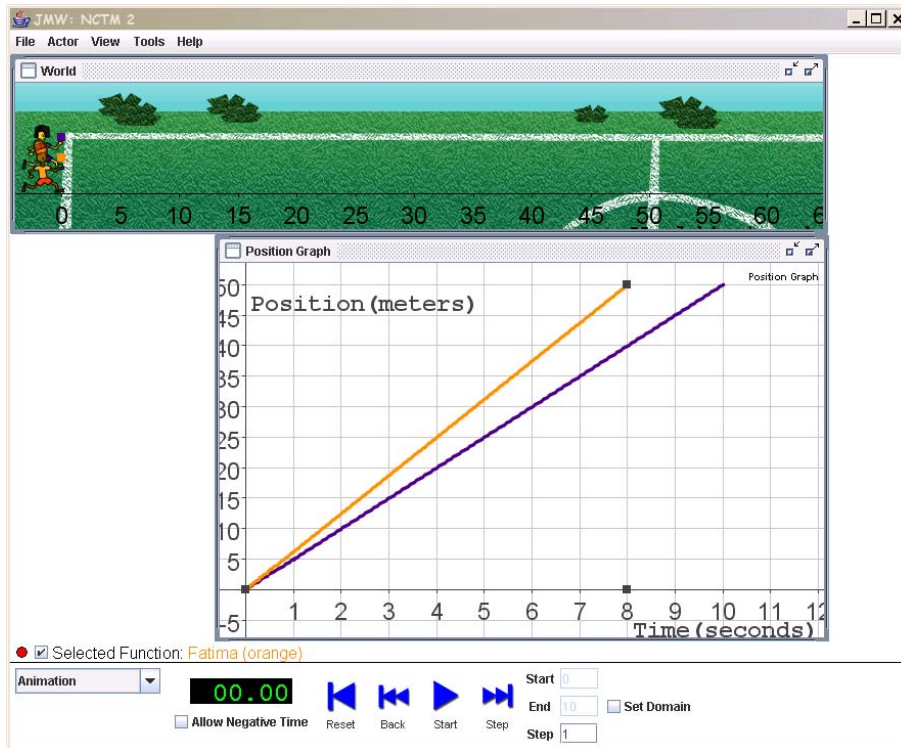
Trend: Handhelds and Mobile Devices



Trend: Expressive Output and Input

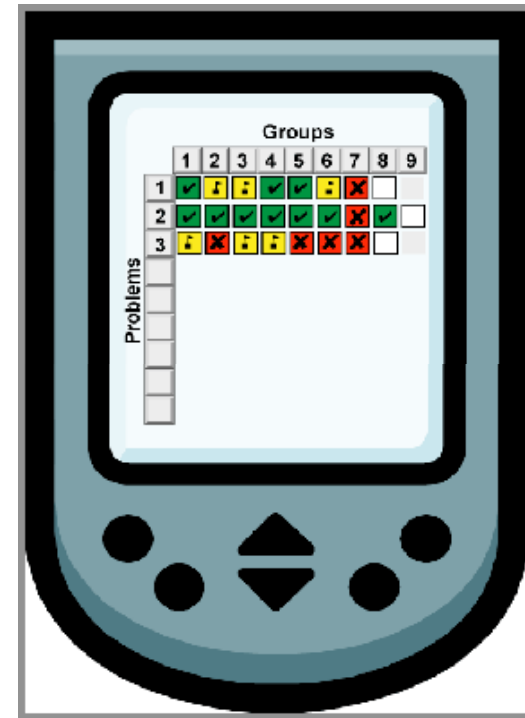


Research-Based Practice: Visualization, Simulation, Dynamic Tools



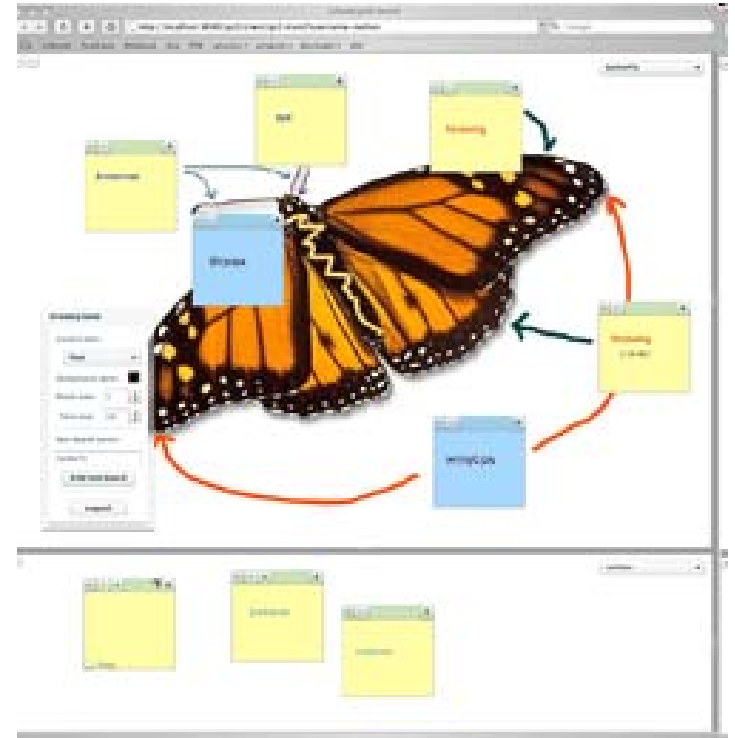
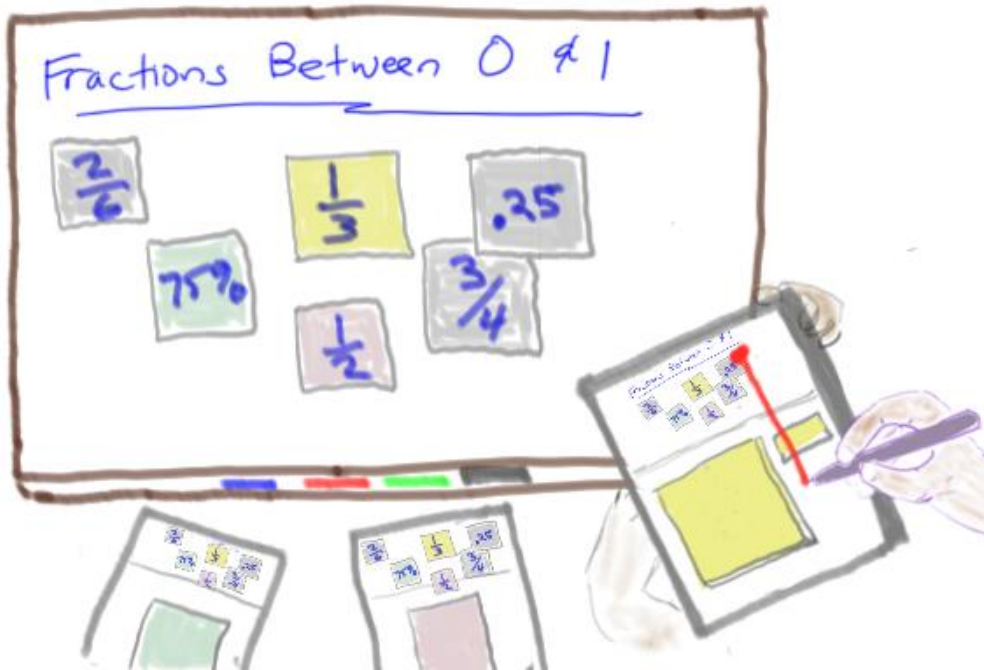
SimCalc

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