Research

Past Research

1. Alpha Testing - 4 teachers and 4 parents
   - Quantitative Results
     - 75%-easy for making education decisions
     - 75%-easy to navigate

2. Beta Testing - 2 administrators, 8 instructors, and 12 students
   - Qualitative Results
     - Positive Feelings
     - Student Interest
     - Further Research

Current Research

3. Baseline Technology Perception -
   - 3 teachers
   - Qualitative Results
     - Positive feelings depend on training and support

Future Research

4. Full Implementation of KIHd System in
   - Fall 2006 - 6 teachers, 18 assistants, and
     - 8 students

“The KIHd System was just right there and it was very clear.”

Contact Information

Phone: 703-993-3670
Fax: 703-993-3681
E-mail: mbehrman@gmu.edu
        hgraff@gmu.edu
        aevmenov@gmu.edu
The Kellar Instructional Handheld data (KIHd) System

The KIHd System is a simple and comprehensive data collection system appropriate for use in collecting discrete trial data with students of all disabilities.

Requirements:

- A browser based, wireless personal digital assistant (PDA) system to collect data
- A personal computer (PC) or server to define and analyze data

Significance:

Current methods of data collection and analysis are laborious and time consuming. Typically, large amounts of data are collected but rarely charted. As a result, data is under analyzed and under utilized to make instructional decisions.

Goal:

The goal of the KIHd System is for teachers and other educators, including parents to make evidence based, data driven educational decisions.

Innovations with the KIHd System

- Password protected
- Instant data graphing for immediate data based decision-making
- Graph options include line, pie, and bar
- Simultaneous collection of primary and secondary behavior data
- Analyze teacher data across students
- Analyze student data across teachers
- Video tutorial and written manual under construction
- Wireless Microsoft access with real-time data collection
- Accessible via PDA and PC