

A cartoon illustration of a young man with blonde hair, freckles, and large orange-rimmed glasses. He is wearing a red and blue plaid shirt and blue pants. He is holding a large green book open, and a small white container with several colored pens is tucked into the book. The book's cover has the text: "Surbotech and Lumarium programming of Cobalt Base Computer Systems". The background is a textured, light brown surface with a horizontal red and black scribble across the middle.

Student Response Systems

Evaluation Summary

Overview

- *Received evaluation matrix from faculty committee*
- *Compared against 4 vendors:*
 - *eInstruction*
 - *Interwrite PRS*
 - *Turning Point*
 - *iClicker*
- *First three vendors invited to campus for demo.*

Critical Criteria

- *The following criteria was identified as “required” by the committee*
 - *Accessibility to meet ATI*
 - *Ease of use for faculty and students*
 - *Integration with WebCT but ability to stand alone*
 - *Durable clickers with easy battery replacement*
 - *LCD panel with numeric input*
 - *Standalone software (with optional Powerpoint integration)*
 - *Ability to easily import/export data and questions*
 - *Macintosh/Windows operability*
 - *Low Cost to students and University*

Critical Criteria (cont'd)

- *The following criteria was identified as “required” by the committee*
 - *‘Soft clickers’ implemented on laptop or PDA*
 - *Flexible question/answer modes*
 - *Positive feedback of response*
 - *RF Receivers/transmitters with up to 500 students*
 - *All registration local to CSU Chico*
 - *Toll free customer support*

Requirements Summary

	eInstruction	PRS	TP	iClicker
Accessibility				
Accessibility provisions provided in clicker itself			XX	
Virtual clicker on laptop or PDA	Spring 08	x	XX	
Ease of Use				
Ease of use for students, faculty and in setup	x	XX	XX	XX
Import/Export				
Question import from other document types (Word, pdf, rtf)		x	x	x
Export data to spreadsheet	x	x	x	x
Ease of class roster setup for faculty		x	x	x
Hardware				
Battery Life, availability, cost	x	x	x	x
LCD display with numeric capability	x	x	x	
Durability of clicker	x	x	x	x
Postive feedback that response was received	x	x	x	x
Software Functions				
Comparable functionality on Windows and Macintosh OS	x	x	x	x
Integration with Powerpoint as well as standalone	x	x	x	x
Faculty access (outside class) to data gathered	x	x	x	x
Ease of polling anonymously as well as with students ID'd		x	x	x
Ability to repeat a question and show before/after results	x	x	x	x
Ability to branch a presentation based on question results	x	x	x	x
Response timer	x	x	x	x
Costs/Registration				
Low Cost to students, institution		XX	x	x
Registration of clickers with WebCT Vista	x	x	x	
Easy to dealing with lost clickers and re-registation		X	X	X
Easy roster management that allows students to join sessions	x	x	x	x
Support				
Quality/availability of toll free technical support	x	x	x	x

Vendor Overview

Summary of pros and cons for each vendor

eInstruction

<http://www.einstruction.com/>

eInstruction - Positives

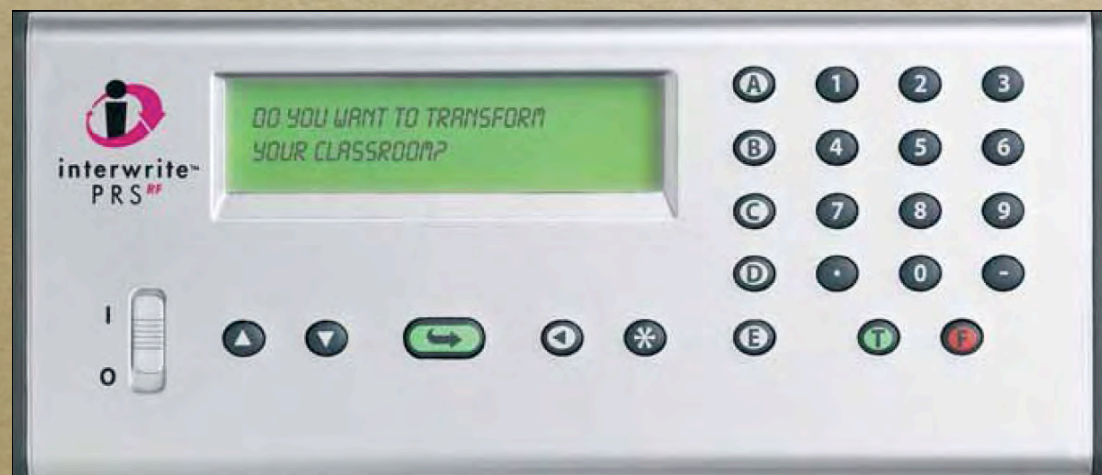
- *Full featured hardware and software*
- *Excellent import/export capability for questions and grades*
- *Third generation clicker with 2 line LCD and multiple input modes including simple math equations*
- *Powerful standalone software, but can be integrated with PP*
- *Support for WebCT (registration and grades)*
- *RF technology - plus low cost to the University*
- *Excellent support web site with toll free number*
- *Good battery life with easy replacement*

eInstruction - Negatives

- *No accessibility - no virtual clicker for laptop but one is promised for Spring 2008*
- *Full feature set = steep learning curve for faculty*
- *Have offered a one time cost to bookstore of \$44 but resale of clicker is an issue*
- *Registration is on 'off-campus' database if WebCT is not used*
- *Problems this semester with software update not backwards compatible*

Interwrite PRS

<http://www.gtcocalcomp.net/interwriteprsrf.htm>



Interwrite PRS - Positives

- *Full featured clicker with many input options*
- *Excellent import/export capability for questions (XML) and grades (.csv)*
- *2 line LCD and multiple input modes including true/false, multiple choice, numeric input and high/low confidence*
- *Innovative homework mode allows off-line use.*
- *Powerful standalone software, but can be integrated with PP*
- *Support for WebCT (registration and grades)*
- *RF technology - plus low cost to the University*
- *Good battery life with easy replacement*
- *Lowest cost to students for lifetime (\$35 to bookstore)*

Interwrite PRS - Negatives

- *No accessibility in clicker but there is virtual clicker for laptop (screen reader still being developed)*
- *Large stock of existing clickers in warehouse*
- *Not clear how to register if WebCT is not used*
- *Support web site is not as robust as eInstruction, discussion pages are full of spam.*
- *Only clicker not being piloted by CSU, Chico*



Turning Point

<http://www.turningtechnologies.com/highereducationinteractivelearning.cfm>

Turning Point - Positives

- *Only clicker with Braille and vibration for sight impaired*
- *Full featured virtual clicker*
- *Full LCD with homework mode and upgradeable firmware*
- *Provides software for registration on our own servers if WebCT is not used.*
- *Support for WebCT (registration and grades)*
- *RF technology*
- *One cost to students for lifetime (\$45 to bookstore, direct on-line in Fall)*
- *Durable clicker*
- *Excellent references from Ohio State, U. of Wash and Mo.*

Turning Point - Negatives

- *New technology - durability?*

Findings

- *Interwrite PRS and Turning Point came closest to meetings needs. Interwrite behind on accessibility*
- *Committee unanimously selected Turning Point*

Next Steps

- *Communicate to Bookstore*
- *Communicate to Depts through Deans and Chairs*
- *Work with TLP to begin training program/best practices*
- *Update Smart Classroom disk images to include software*
- *Install receivers in 50 classrooms*