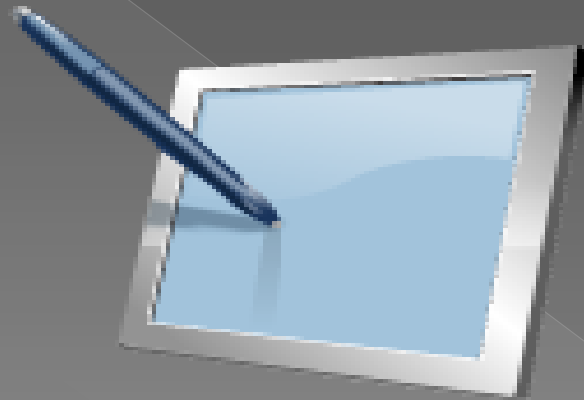




vPad: Student Response Systems

Heather Brown
ITEC 7445
Mrs. Booker
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Student Response Systems

- ◎ **What are Student Response Systems?**
 - > Student Response Systems are technological devices used during summative or formative assessment to assess student's learning.
 - > Also, known as “clickers”
 - > Student Response Systems are available from many companies in a variety of different types of clickers.

vPad

- vPad is a student response system developed by eInstruction.
- Use with iPhone, iPad, iPod Touch, Android, Mac, and PC
- No software needed
 - > Free downloads are available
 - Apple App Store (IOS Devices)
 - Google Play (Android Devices)
 - <http://www.einstruction.com/support/downloads> (Mac and PC)

<http://www.einstruction.com/srs-overview>

vPad Cont'd.

- ◉ Web-based Communication
- ◉ Modes of Presentation
 - > Impromptu, Teacher-led, Student-paced
- ◉ Types of questions students can answer
 - > Multiple Choice
 - > Yes or No
 - > True/False
 - > Multiple Answer
 - > Numeric
 - > Text Entry (number of characters- depends on software)

<http://www.einstruction.com/srs-overview>

Colquitt County's Technology Vision

The vision for technology use includes the desire to implement the following:

- Provide equal opportunities and assistive technologies for students with special needs or disadvantaged subgroups- vPad offers free software for Apple, Android, PC, and Mac devices
- Restructure classroom instruction to make it valid, goal-oriented, and connected to 21st Century technology – to connect to 21st Century technology and make it valid, the students must have internet access- the vPad allows students to enter their responses through the internet on their devices

Key Benefits

- Increase student participation
- Offers teacher interaction with every student
- Students have instant feedback on quizzes or assessments
- Teachers can generate reports to look for content misconceptions
- Students can use their own device to enter responses and not have to use a clicker
- Reduces grading time for teachers

Target Population

- vPads could benefit students of all ages and grade levels
- vPad software is free for Apple, Android, PC, and Mac devices
- Each teacher can manage students input on classroom computer or iPad
- Each student can input responses on their own or borrowed device

Equipment and Software

- Apple, Android, PC, or Mac device (student uses their own or borrowed device from school)
- Wireless or Internet Access
- Free software available for each device

Technical Support

- ◉ eInstruction has technical support on their webpage that is very thorough that could be used by students, teachers, and administrators.
 - > Webpage: <http://www.einstruction.com>

Limitations

- Each student would need a device that is compatible with the software
- Each student also needs the software downloaded to their device
- Students could possibly have access to other apps or games on their devices that are not intended for classroom use
- Students and parents should be aware that the school is not responsible for stolen devices

Cost of this Technology

If students provide their own device, the price for student use of the vPad app and software would be Free.

- If extra devices are needed, the cost for 30 iPads with AppleCare Protection and secure storage with charging is \$16,219
- This price was provided by the Colquitt County Instructional Technology Department

Potential Funding Sources

- ◉ If devices are needed:
 - > Colquitt County has E-Splost funds that are designated to supply technological tools in the classroom.
 - > Teachers can create and write grants.
 - > Title I offer funds to use for technology tools in the classroom
 - > Other grant opportunities are available at <http://einstruction.com>

How would teachers use this technology?

- Teachers could use the vPad software to get instant feedback and grading for understanding
- Teachers can create reports on each student or whole class reports to decide if re-teaching content is needed
- The use of vPads could meet the NETS-S standard of Technology Operations and Concepts and provide instant feedback on standards based assignments to the students and teacher

How do vPads promote Specific Learning Goals?

- Authentic learning is promoted by the students use of their own electronic device to complete classroom assignments.
- Collaborative learning is promoted by the teacher using reports of assignment results to group students who have common content misconceptions.
- Higher-order thinking skills are promoted by the students use of the immediate data to analyze the results and discuss the rational of why each question was incorrect.

How do vPads promote Specific Learning Goals? Cont'd.

- Research-Based Learner-centered strategies are promoted by the students interacting with their peers in a discussion based on the explanations of their correct and incorrect answers.

How do vPads Differentiate Instruction?

- Students can enter responses into their devices at their own pace
- Teachers can allow students to correct missed questions
- Students can have individual questions delivered to their devices

How Can vPads Promote Communication?

- vPad software would allow teachers to communicate grades with students instantly after taking assessment
- Teachers could communicate with parents or guardians about the students performance

Evaluation of Research

vPad is a new technological tool that was introduced by eInstruction this year. I was unable to find any research about the vPad app, but I did read some research on using student response systems in the classroom

- In a article about the effect of Classroom Response systems and student achievement- the students stated that when the response systems were used in the classroom, they were helpful in keeping the student focused and wanting to participate (Hayes, 2011).

Implementation Plan

- Teachers would need to participate in a training over the vPad software. The teachers need to know how to use and navigate the program and what reports can be provided by the software.
- Teachers also need to know how to operate the devices and navigate the apps used by the students.

Reflection

- After researching this emerging technology tool, I realized this would be a great tool to use in a math classroom.
- This tool allows the students to respond to questions from their own electronic device.
- The students will receive instant feedback from the teacher.
- The teachers are able to generate numerous reports to check for student understanding.

Works Cited

Einstruction. (2013). *Student response systems*. Retrieved from

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Hayes, L. A. (2011). The effects of a classroom response system and peer instruction on student achievement in high school pre-calculus classes [Abstract]. *Jacksonville University College of Arts and Science*, 26.