





What is our goal?
Meaningfully engage these students while being sensitive to teacher needs and the

• Create an enhanced environment using a mobile device

typical classroom environment

Why a mobile device?

- Technology is motivating and exciting
- Opportunity to explore beyond what is presented in the classroom
- Alerts on the device can be used by the teacher to engage the student
- Provide way for teacher to evaluate the process of the student and give input and feedback



Features of Existing Technologies Wireless internet connection IR or RF beaming capability Ability to install and run software

- Multiple alert systems (vibration, light, sound)
- Synchronization with other mobile devices and PC system
- High-end graphics card
- Text-to-speech capability
- Multiple modes of input (beaming, mini-keypad, stylus, touchpad, voice)
- Text and voice messaging capabilities







Constructivist Models of Instruction

- Authentic Learning Model
 - Application of practical, everyday knowledge in real-world context
 - Collaborative activities
 - Explanation and elaboration of ideas
- Anchored Instruction Model
 - Collaborative problem-solving of realistic problems
 - Learning situated in narrative
 - Embedded resources

Objectivist Models of Instruction

- Behaviorist Instruction Model
 - Instruction = knowledge transmission, teacher to student
 - Demonstrated skills and knowledge
 - Pre-determined goals and objectives
 - Lesson plans
- Individualized Instruction Model
 - Assessment of strengths and needs
 - Targeted instruction
- ARCS Attention, Relevance, Confidence, Satisfaction



Торіс	Subtopic	More Details	URL for more information	User with Main Access t Cached site-whe
Reminders		visual- vibration- soft sound-		Student- Intermitte access
	Specific positive reinforcem ent messages from the teacher	This should be included as often as possible. Too often these students, and the adults around them, dwell on the negatives. Emphasis on strengths will increase positive outcomes.	http://sparksofgenius.wo rdpress.com/2007 /04/23/great- parenting-advice- especially-for- adhd/	Student- Intermitte access
	Attention	Intermittent- visual- vibration- soft sound		
		student checks & tallies		
		On task		
		Off task		
		The data automatically creates a graph of on task behavior		
		Teacher sends text message from a pool of messages		
		Specific praise-text- wow you have been working hard!		
		Quiet reminder to return to task-		
		visual		
		vibration		
		soft sound		
		Text		





- Virginia History VS 4 c. Explain how geography influenced the relocation of Virginia's capital
 - Hardships experienced by colonists at Jamestown
 - drinking water was contaminated
 - Marshy
 - contained diseases
 - had some salt water seeping in it



Content Inventory

- Tools
 - Software
 - Word processing
 - Presentation
 - Paint
 - Voice recorder
 - Camera
 - Visual timer
 - Classical music
 - Student resources
 - Parent/teacher resources





What is a WebQuest ?

- · Inquiry-oriented online tool
- Information comes from the World Wide Web
- Teacher directs and coaches students to utilize preselected information
- Students learn how to work in a team, with a peer, or individually to finish tasks
- Students spend their time USING information, not LOOKING for it







- WebQuest fits a constructivist paradigm of education
- Through WebQuest, student would take advantage of several built-in features of this device such as:
 - Voice recognition
 - Keyboard
 - Graphic software
 - Camera
 - Internet
 - Peer communication
 - Teacher and parent reporting
 - Feedback

WebQuest and Virginia History

- Collect data from the preapproved web-sites
- Use preferred input mode to compose two paragraphs responding to prompts
- Access and use multimedia materials
- Collaborate and communicate with a peer
 Discuss moving the capital
 - Develop a strategy plan to protect capitals from the English army attack













