Justin Graves and Dr. Susan Asselin
Virginia Tech
Virginia Association for Higher Education and Disability
March 23, 2012
Lynchburg VA
Objectives

• Introduction
  • A Day in the Life of Justin
• College Students
  • Accommodations to Accessibility
  • Assistive Technology to Information Technology
• Tablet Technology
• Justin’s Demo
A Day in the Life

What exactly does the day of a busy college student look like?
High School to College

What changes take place in the college environment?
High school AT Use

Frequent Users
  - Multiple, physical and learning disabilities

Classroom Users
  - Self-contained 40%,
  - Resource room 19%
  - General 11%
    - Quinn, Berhmann, Mastropieri & Chung, 2009)
Instructional support

- Computer  60%
- Recording  8%
- Software  8%
- Assistive Technology  25-30%
College Students

- Auxiliary Aids & Support Services
  - Testing
  - Notetakers
  - Organization skills
  - Study skills
  - Time management
  - Personal and social supports
  - Counseling
  - Physical accessibility
  - Transportation
Technology Options

- Voice recognition
- Scribe pen
- Screen readers
- eReaders
- Digital whiteboard
- Graphic organizers
- Computer Screen magnifiers
- Switches, trackballs & joysticks
Trends

What changes are underway?
Why Do YOU Like Tablets???

Brainstorm
Technology Trends

• Convergence
• Customizability
• Portability
• Interoperability
• Independence
• Universal Design
First Tablets
21st Century Tablets
How does a busy college student (like Jason) use applications?
# iPad Demonstration

<table>
<thead>
<tr>
<th>Justin’s Rating Rubric</th>
<th>5</th>
<th>3</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Simple &amp; Intuitive</strong></td>
<td>Great functionality, logical</td>
<td>Complicated navigation, irregular</td>
<td>Not perceptive, difficult</td>
</tr>
<tr>
<td></td>
<td>gestures, consistent &amp;</td>
<td>navigability</td>
<td>to use for the average user</td>
</tr>
<tr>
<td></td>
<td>predictable method of input</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Internet Connection</strong></td>
<td>Accessible online &amp; offline, functional</td>
<td>Limited offline functionality</td>
<td>No offline functionality, no</td>
</tr>
<tr>
<td></td>
<td>synchronization</td>
<td></td>
<td>synchronization</td>
</tr>
<tr>
<td><strong>Robust</strong></td>
<td>Useful across multiple platforms &amp;</td>
<td>Only available on Apple or similar</td>
<td>Only available on iPad</td>
</tr>
<tr>
<td></td>
<td>technologies</td>
<td>products</td>
<td></td>
</tr>
<tr>
<td><strong>Presentation</strong></td>
<td>Concise presentation of content,</td>
<td>Some extraneous material and</td>
<td>Several extraneous features &amp;</td>
</tr>
<tr>
<td></td>
<td>obvious technical support</td>
<td>distractions, lag</td>
<td>interference with content</td>
</tr>
<tr>
<td><strong>Navigation</strong></td>
<td>Limited taps to access desired</td>
<td>Somewhat predictable features,</td>
<td>Several bells &amp; whistles that</td>
</tr>
<tr>
<td></td>
<td>features, quick error recovery,</td>
<td>difficult to use, low screen</td>
<td>distract from intent/usefulness of</td>
</tr>
<tr>
<td></td>
<td>predictable functionality</td>
<td>resolution</td>
<td>application</td>
</tr>
</tbody>
</table>
Justin’s Demonstration

- Built-in accessibility
- Third party applications
  - Free
  - Justin’s Rating Rubric
SWITCH !!!
Bloom’s Taxonomy for iPads

Creating
- Audioboo
- iMovie
- ComicBook! ReelDirector
- SonicPics
- Animoto
- Pupper Pals
- Toontastic
- DeLink

Evaluating
- HootSuite
- Skype
- Mobile RSS
- Sciens 360
- Zite
- FlipBoard
- Instapaper
- Goodreads
- Wunderlist

Analyzing
- iThoughts HD
- Lino
- Popplet
- Today’s Documents
- Diigo
- Explain Everything
- 3D Cell Simulation
- GoSkyWatch
- GoDocs

Applying
- ShowMe
- Poetry Creator
- Keynote
- Visualize
- Posterous
- ZigZag Board
- Presentation Link
- Xperica
- GearHD

Understanding
- ScreenChomp
- Motion Math
- 123 Charts
- Idea Sketch
- Corkulous
- Blogsy
- Good Reader
- Touch Draw
- Pages

Remembering
- iBook
- Noteshelf
- Stack the Countries
- Evernote Peek
- NxtApp 4Kids
- Ansel & Clair’s Adventure
- Word Seek HD
- eClicker
- Globe