Hoe maak je gebruik van tablets voor leren

dr. Marco Kalz

http://twitter.com/mkalz
Actor-Network-Theory
BLOOM’S TAXONOMY - LEARNING IN ACTION

1. Comprehension
   - match
   - restate
   - paraphrase
   - rewrite
   - give examples
   - express

2. Application
   - explain
   - defend
   - distinguish
   - summarize
   - select
   - apply
   - analyze
   - evaluate

3. Synthesis
   - construct
   - produce
   - plan
   - create
   - invent
   - organize

4. Evaluation
   - compare
   - critique
   - compare
   - criticize
   - judge
   - choose
   - predict
   - review

5. Knowledge
   - know
   - name
   - define
   - state
   - identify
   - recognize

6. Recollection
   - recall
   - reproduce
   - list
   - relate
   - state
   - describe
   - name
   - explain

7. Manipulation
   - manipulate
   - produce
   - form
   - divide
   - mix

8. Analysis
   - analyze
   - compare
   - contrast
   - determine
   - define
   - evaluate
   - identify

9. Synthesis
   - compose
   - originate
   - hypothesize
   - develop
   - design
   - combine

10. Evaluation
    - evaluate
    - critique
    - compare
    - criticize
    - judge
    - choose
    - predict
    - review

11. Knowledge
    - know
    - name
    - define
    - state
    - identify
    - recognize

12. Recollection
    - recall
    - reproduce
    - list
    - relate
    - state
    - describe
    - name
    - explain
iPad Apps to Support Bloom's Revised Taxonomy
Assembled by Kathy Schrock

- **Creating**
  - Storytelling
  - Video Editing
  - Videocasting
  - Mixing
  - Animating
  - Podcasting

- **Evaluating**
  - Moderating
  - Conferencing
  - Networking
  - Posting
  - Collaborating
  - Critiquing

- **Analyzing**
  - Outlining
  - Structuring
  - Organizing
  - Surveying
  - Deconstructing
  - Mapping

- **Applying**
  - Interviewing
  - Simulating
  - Demonstrating
  - Presenting
  - Editing
  - Illustrating

- **Understanding**
  - Categorizing
  - Annotating
  - Tweeting
  - Blogging
  - Subscribing
  - Explaining

- **Remembering**
  - Recalling
  - Listing
  - Bookmarking
  - Searching
  - Mindmapping
  - Word Processing
Figure 1: The cube model – a heuristics for defining educational (software) situations.

Baumgartner & Payr, 1994
Crowdsourcing apps

#edapp

A Community Effort to Grade “Educational Apps”
Baker is a HTML5 ebook framework to publish interactive books & magazines on iPad & iPhone using simply open web standards.

Laker is a compendium of files, frameworks, styles and tips for designing digital publications in HTML5.
ePub3

- HTML5
- Media Overlays
- MathML
- Accessibility

EPUB3: Rich Media Enhancements

- Video & audio support
  - Declarative event triggers (custom controls w/out JavaScript)
- Audio can be synchronized with text
  - SMIL & CSS Speech subsets
- Embedded font support a conformance requirement
  - OpenType / WOFF
- Improved SVG integration

© 2010 Bill McCoy
Parent Co-Reading Survey

The Joan Ganz Cooney Center
Summer 2012

<table>
<thead>
<tr>
<th>Feature</th>
<th>% of Parents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clicking a word sounds it out</td>
<td>90%</td>
</tr>
<tr>
<td>Word highlights during narration</td>
<td>70%</td>
</tr>
<tr>
<td>Audio narration</td>
<td>60%</td>
</tr>
<tr>
<td>Hotspots/animations embedded in illustrations</td>
<td>40%</td>
</tr>
<tr>
<td>Games provided in the e-book</td>
<td>30%</td>
</tr>
<tr>
<td>Videos in the e-book</td>
<td>20%</td>
</tr>
</tbody>
</table>

Legend:
- Gray: Helps child learn to read
- Brown: Distracts child from reading
- Blue: Other*