Why use iPad?

- Enhance teaching
- Stimulate interest of learning
Find an answer to students questions, such as:

“Mrs. Dotzel, when I am in the classroom, everything you say makes sense. But when I get home, everything is gone.”

The solution to that is …
“DON’T GO HOME!”
Why use iPad? (cont.)

Average Retention Rates

Passive Teaching Methods

5% Lecture
10% Reading
20% Audio-Visual
30% Demonstration

Participatory Teaching Methods

50% Group Discussion
75% Practice
90% Teaching Others

*Adapted from National Training Laboratories. Bethel, Maine
Primary App: Educreations

- Free App
- Recordable whiteboard that captures voice and handwriting
- Unlimited storage
- Maximum recording: 30 minutes
- Recommended time: 5 minutes
- Multiple pages/slides
- Upload images from Camera/Photo Library/Dropbox/Web
- Text feature
- View video lessons from computer or tablets
- Simple animation
What I do with Educreations

- Teach in classroom
- Correspond to students’ questions
- Assess understanding
Teaching in Classroom:

- Come to class very prepared
- Record one example
- Upload right after class
- May record/upload more later on
Sometimes, I also make a video explanation and put a link in some document for the audio/visual learners.
• Helpful to online students
• Helpful to some on campus students as well

(From student’s e-mail, save image of the problem or make a copy of the image of their problem from homework website and upload to Educreations to explain. Email students.)
Very hard to do, but worth doing!
Assess Knowledge (cont.)

Understanding 21st Century Learners:

- Tech savvy on social networking and Words with Friends, aka, games
- Afraid of learning Productivity tools
- Don’t want to learn if it’s irrelevant to their life at the moment
- Complain complexity when it is relevant to life
The table and Venn diagram below are to be used for Exercises 73–78. The table shows the four baseball teams that made the playoffs in the American League from 2005 to 2007. For each exercise, write the region(s) of the Venn diagram that would include the team listed.

<table>
<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teams</td>
<td>Boston Red Sox</td>
<td>Detroit Tigers</td>
<td>Boston Red Sox</td>
</tr>
<tr>
<td></td>
<td>Chicago White Sox</td>
<td>Minnesota Twins</td>
<td>Cleveland Indians</td>
</tr>
<tr>
<td></td>
<td>Los Angeles Angels</td>
<td>New York Yankees</td>
<td>Los Angeles Angels</td>
</tr>
<tr>
<td></td>
<td>New York Yankees</td>
<td>Oakland A's</td>
<td>New York Yankees</td>
</tr>
</tbody>
</table>

Note: set A represents 2005 playoff teams, set B represents 2006 playoff teams, and set C represents 2007 playoff teams.

73. Boston Red Sox
74. Los Angeles Angels
75. Cleveland Indians
76. Minnesota Twins
77. New York Yankees
78. Oakland A's
Don’t like this kind of question

Use a Truth Table to Determine Valid or Invalid

42. If you back up your hard drive, then you are protected. Either you are protected or you are daring. ∴ If you are daring, you won’t back up your hard drive.
Don’t like this kind of question

41. Ruth’s credit card statement showed these transactions for the month of July:

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 1</td>
<td>Previous balance</td>
<td>$65.00</td>
</tr>
<tr>
<td>July 2</td>
<td>Purchases</td>
<td>$720.25</td>
</tr>
<tr>
<td>July 8</td>
<td>Payment</td>
<td>$500.00</td>
</tr>
<tr>
<td>July 17</td>
<td>Payment</td>
<td>$100.00</td>
</tr>
<tr>
<td>July 28</td>
<td>Purchases</td>
<td>$343.97</td>
</tr>
</tbody>
</table>

a. Find the average daily balance.

b. Find the finance charge for the month. The interest rate is 1.1% per month.

c. Find the new balance on August 1.
25. You decide to buy a $180,000 home. If you make a 25% down payment, you can get a 20-year mortgage at 9%, but if you can make a 10% down payment, you can get a 25-year mortgage at 7%. Which is the better option for you?
What will happen to some students if they don’t like certain topic?

- Avoid it
- Procrastinate
- Miss it
- Fail it on the tests
Assess Knowledge (cont.)

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How I assess:

- Offer extra credit opportunities on tough concepts through video assignment
  - Student 1
  - Student 2
  - My respond
  - Student 3
  - Student 4

- Offer to make up homework points by submitting video explanations
Fun and Improvements

• Fun: Simple animation

• Improvements on the way
  
  Some features are being worked on:
  
  o Eraser tool
  o Edit recordings
  o Folders
  o Save lesson in-progress
  o Lesson templates
  o Import document (PDF, PPT, DOC and etc.)
  o Video exporting
Apps with Great Potential:

• Algeburst (Lite)
• Algeboats (Lite)
All apps are how we see to fit in our teaching. Some apps are used to stimulate interests, like some statistical apps. Other apps can be utility apps, like some traffic app, which can be used to determine whether a student’s excuse is valid to justify a makeup exam.