



Pencasting in University Agriculture Courses

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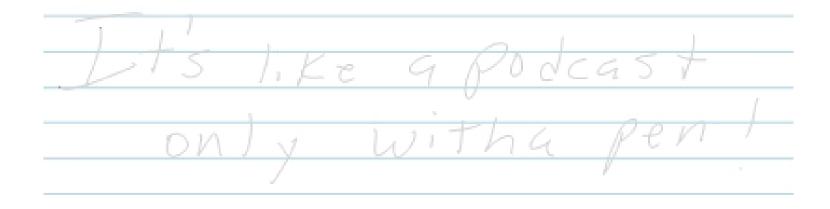
University of Arkansas

Outline

- What is Pencasting?
- Why Pencast?
- What equipment do I need to Pencast?
- How do I make a Pencast?
- Can you show me some example Pencasts?
- Is there anything I would improve in my Pencasts?
- Can we have some discussion?
- Can I have a free LiveScribe Echo Pen?

What is Pencasting?

 A pencast is a video presentation where recorded penstrokes and synchronized audio are replayed.



Why Pencast?

• Pencasts:

- Are easy to make
- Allow teachers to:
 - Model correct problem-solving behavior
 - Explain once instead of multiple times to individual students
 - Create reusable learning objects
- Allow students to:
 - Review class materials as often as needed
 - Pause and rewind complex explanations
 - Work problems and get immediate feedback on both answers and processes
- Can be used in both F2F and on-line courses

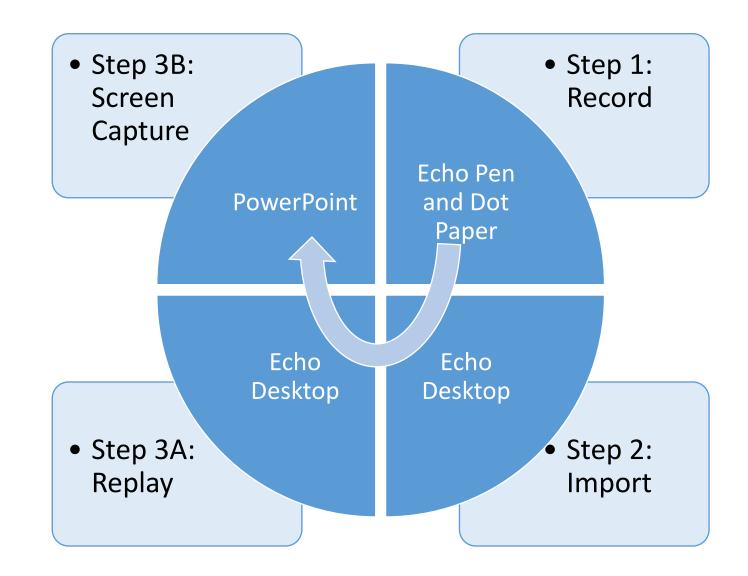


What equipment do I need to Pencast?

- Livescribe ECHO smart pen (\$179.95)
- Livescribe "dot" paper
 - Notebooks (\$9.95 / 100 sheets)
 - Free "sheet prints" from website
- ECHO Desktop (Free download)
- MS PowerPoint (w/ screen recording)
- Adobe Acrobat 10.0

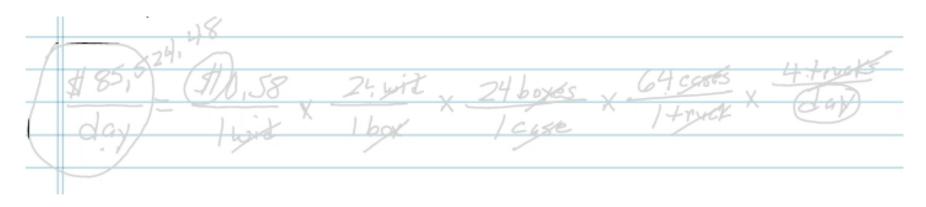


How do I make a Pencast?

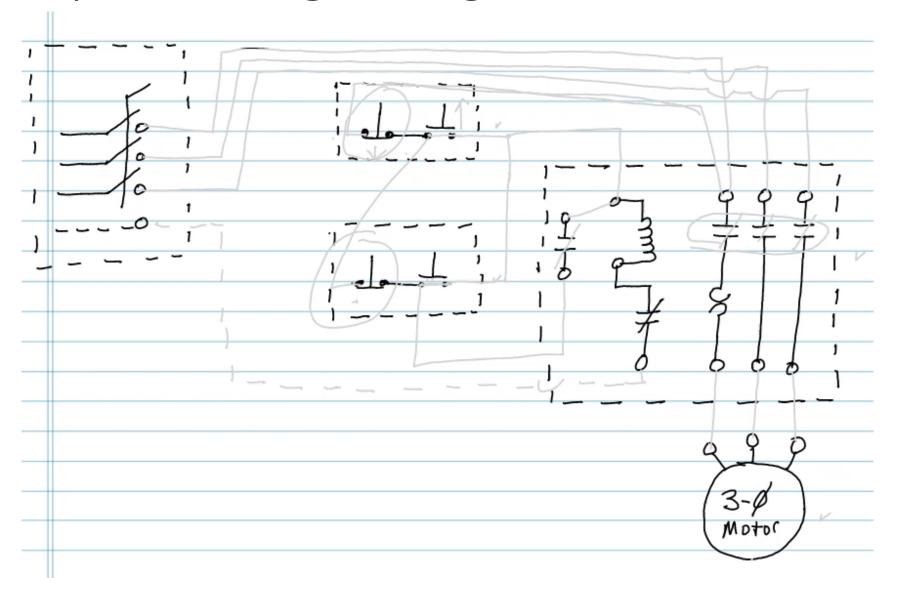


Example: Using the Unit-Factor Method

• A flatbed truck can haul 64 cases of widgets. Each case contains 24 boxes of widgets, and each box contains 24 widgets. Each widget sells for \$0.58. Assuming the truck can make four deliveries per day, how many dollars' worth of widgets can be delivered per day? **Use** the unit factor method to solve this problem.

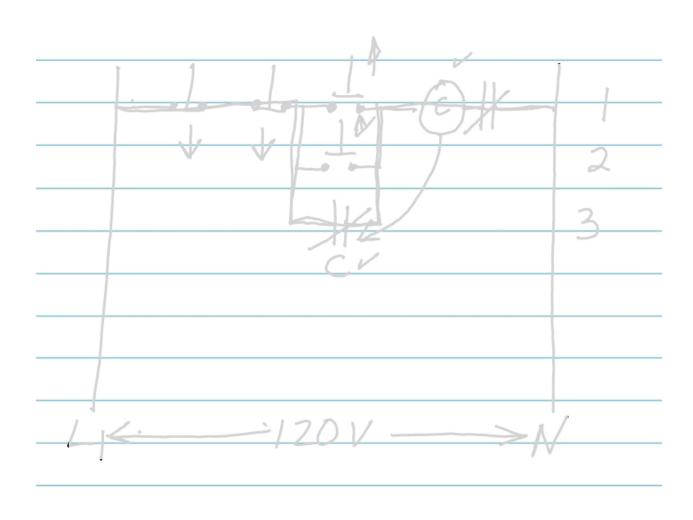


Example: Wiring a Magnetic Motor Starter



Note: Equipment grounding conductor not shown for clarity

Example: Relay Ladder-Logic Diagram



Is there anything I would improve in my Pencasts?

- Yes
 - I wish:
 - I could hide the ghost lines/text
 - I could easily add pencasts to:
 - Homework
 - Exams
 - CAD drawings
 - My handwriting and drawing were better!

Can we have some discussion?

- Questions????
- Comments???
- Suggestions???
- Other???

Can I have a Free LiveScribe Echo Pen?

Yes

Thanks to Livescribe for donation of the ECHO pen!