

Lecture with Power(point)

Lesson Plans and Lectures

- Written on a _____ of paper
- _____ on your hands
- _____ on your hands

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Problems

- "By _____ this is an isosceles triangle."
- "Then a _____ occurs"

Advantages of Presentation Software

- It _____ an isosceles triangle
- No more, "What is the second line?"
- Animation
- Have slides, will _____
- "I'm ready for you to teach me what I missed when I was absent yesterday"

Naysayers

Edward Tufte, in *Wired* Article 11/9/2003

- PowerPoint is _____ and corrupts communication
- Students who use PowerPoint would do better to learn to _____ and paragraphs
- Multiple slides _____ – results in loss of meaning, perceived relationships

Response

Doug Johnson, 11/1/2005 Column from *Education World*

- PowerPoint doesn't bore people: _____ bore people.
- Choosing the wrong _____ for the job is not the _____ fault.
 - The same hammer can both break windows and build cathedrals.
- Good visuals can be exceptionally powerful – many of us are _____ learners
- Our purposes are ...
 - _____ concepts
 - Attract students' attention, _____
 - Use text, formulas, graphics, tables
- Our purposes do not include ...
 - "Memorize these slides by Tuesday"

- "Follow along in your book"
- "Read together with me"

Creating a Lesson

- Use your _____
- What do they need to see and hear?
 - _____ your lesson
- Use a " _____ "
- Let's practice
- Use _____
- Gone are the days of hand written formulas, instead use _____
- This one looks isosceles also
- A famous min-max problem in calculus-- Link to _____ for illustrations
- A great host of information _____
- Google it!

Accompanying Handout

- Student participation
 - Not too little, Not too much
 - Like Goldilocks, _____

Sample Lesson – see following pages

Tips

- Use it as a _____ to make math compelling.
- Keep it simple
 - Transitions, Object appearances
- Minimize _____ in slides.
- Don't _____ PowerPoint.
- Don't talk on top of your slides.
- Give it a _____.
- Use vibrant colors.
- Import other images and graphics.
- Distribute _____
- Edit ruthlessly _____ presenting