Lecture with Power(point)

Lesson Plans and Lectures
• Written on a ___________ of paper
• ___________ on your hands
• ___________ on your hands

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
• 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"
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