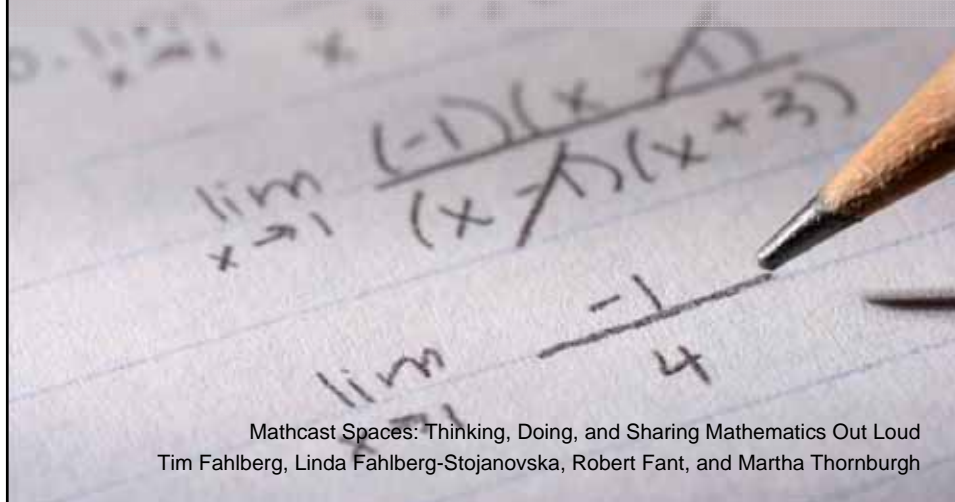


"A mathcast is a screen recording of writing plus voice and/or text explaining a mathematical concept or solving a problem. Both educators and students can make mathcasts!"



Mathcast Spaces: Thinking, Doing, and Sharing Mathematics Out Loud
Tim Fahlberg, Linda Fahlberg-Stojanovska, Robert Fant, and Martha Thornburgh

"The teacher may ask a student to share his or her solution methods with others because the teacher realizes that such opportunities can help the student clarify his or her thoughts."



"Using technology to foster teachers' reflections about children's arithmetical thinking"
Teach. Child. Math. 4, No. 8, 484-87 (1998).

"When children explain and discuss their own algorithms with other children, they internalize what the operations mean and learn from each other."

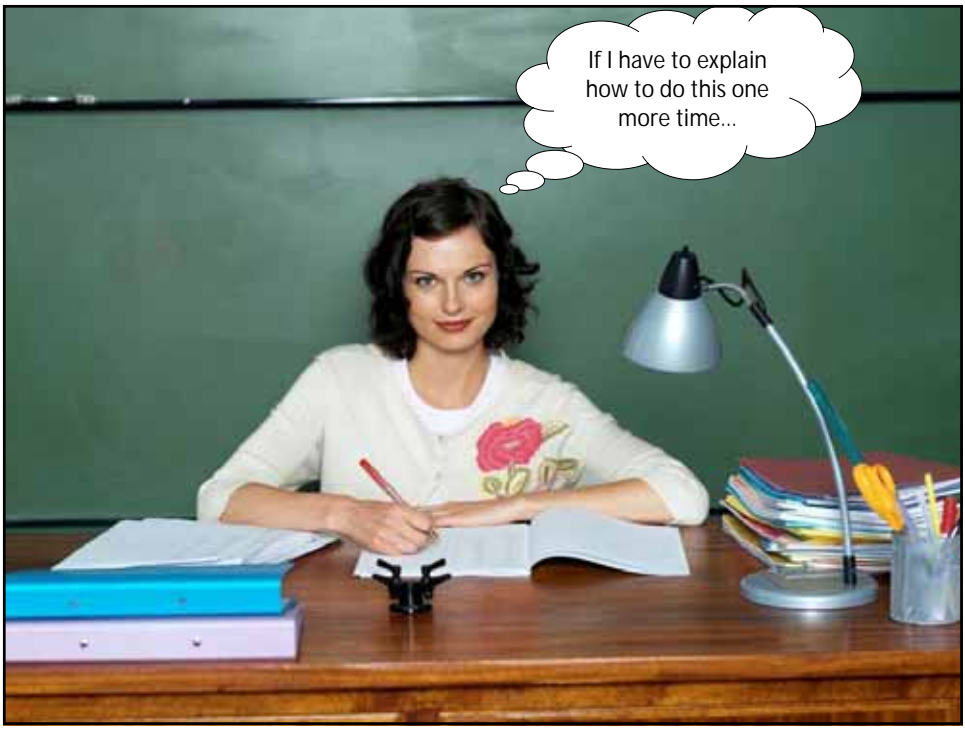
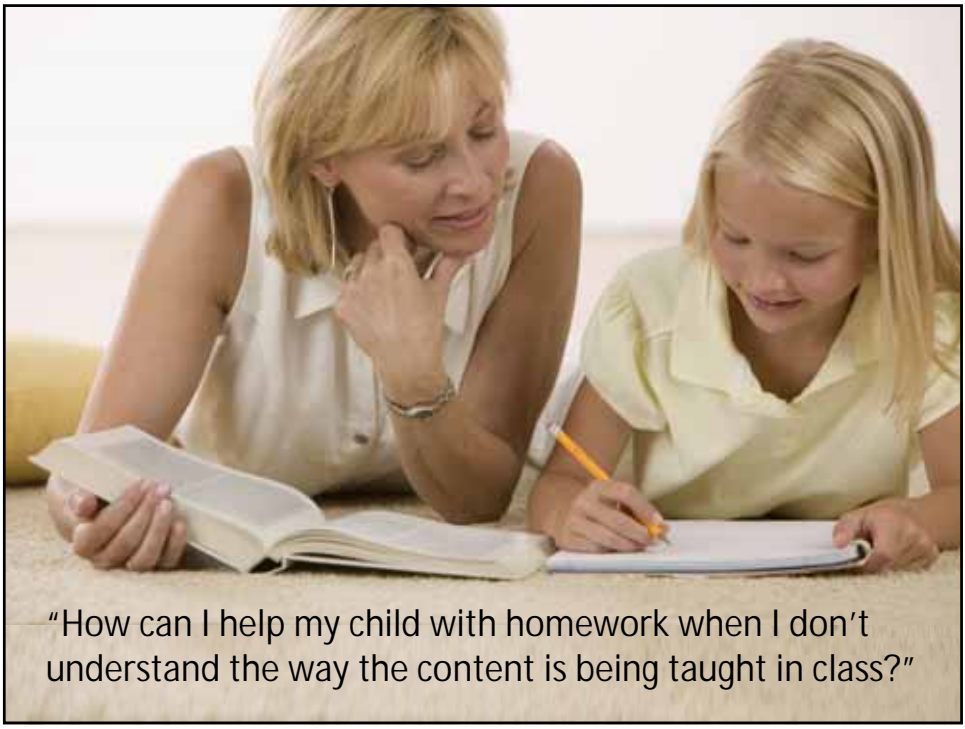


The University of Chicago Mathematics Project.
 Everyday Mathematics Frequently Asked Questions.
<http://everydaymath.uchicago.edu/parents/faq>

"Children's discussions also provide valuable information that can help teachers assess the development of their numerical thinking."



The University of Chicago Mathematics Project. Everyday Mathematics Frequently Asked Questions.
<http://everydaymath.uchicago.edu/parents/faq>

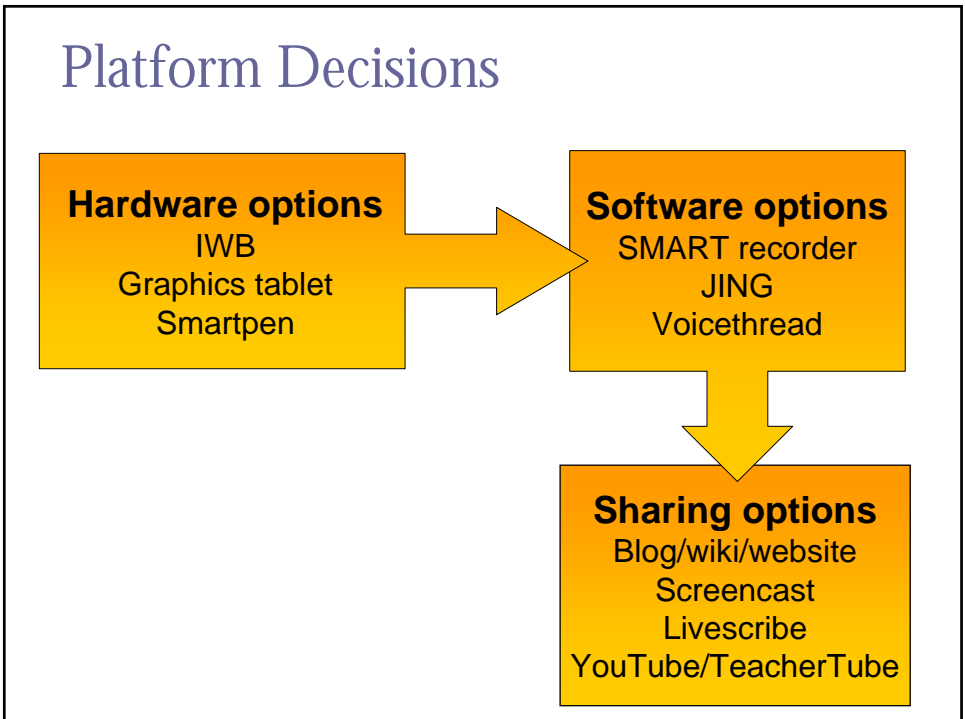


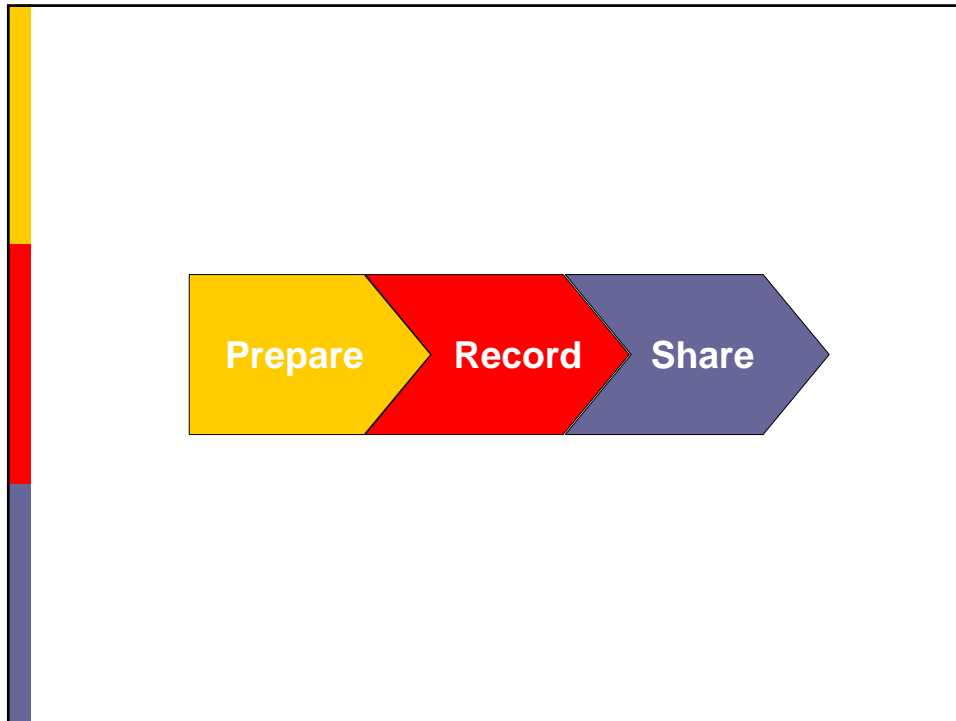
Research Says:

- Keep content focused
- Images & text are adjacent
- Oral narration concurrent with visual
- Conversational tone (personalization)
- Give student some control (interaction)
- Use visual clues to reflect change (color)

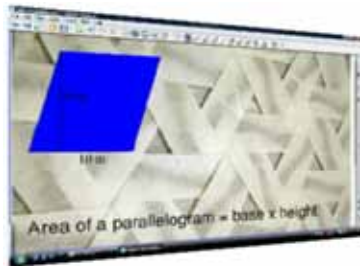
Danton H. O'Day, Department of Biology, University of Mississauga, Ontario, Canada. How to Make Pedagogically Meaningful Animations. Available online: <http://www.techsmith.com/community/education/interview/odayanimationipsi2006.pdf>



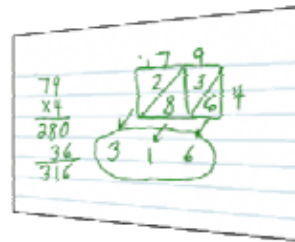




Formal or Informal?

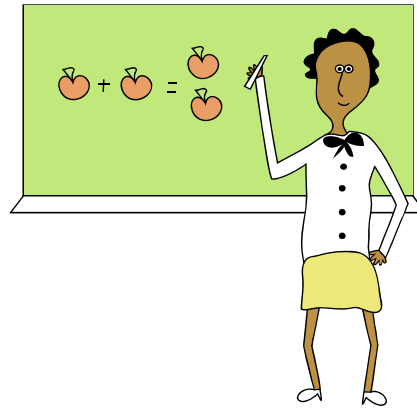


<http://www.mrjwilliams.com>



Prepare

- Create the math problem
 - SMART notebook
 - PowerPoint
 - Written out
 - Scanned image
 - Mathcasts 500 Project
 - ExamView
 - GeoGebra
- REHEARSE!



Record

- Perform mic check
- Use your preferred "platform"
- Listen, watch, repeat



Platform 2



Platform 3

