

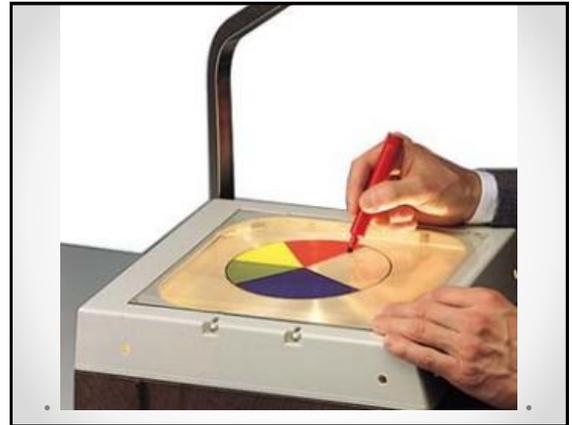
What's the Point



Of PowerPoint?

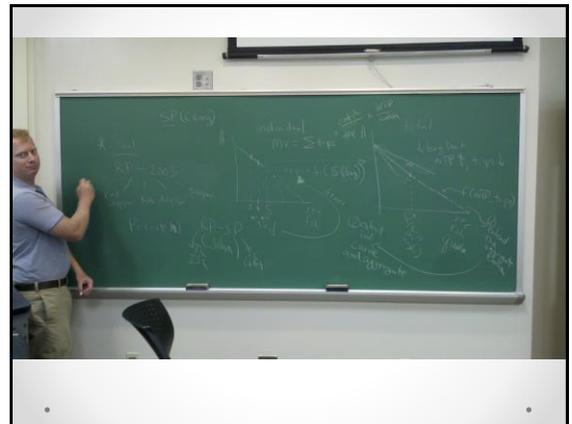
Visual Pedagogy: Reimagining the Power of PowerPoint

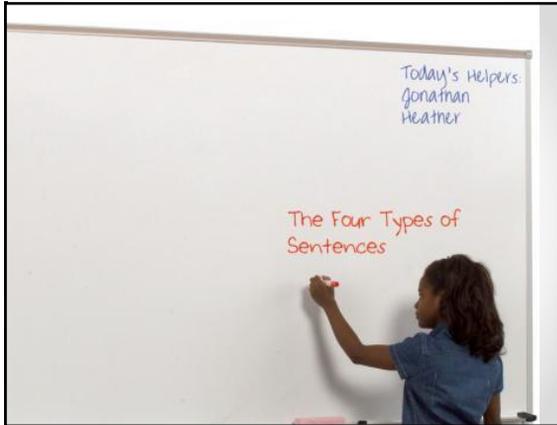
L. Sisco, 2016



Use the Formula for $\sin(u+v)$

$$\begin{aligned}\sin\left(\frac{5\pi}{12}\right) &= \sin\left(\frac{3\pi}{12} + \frac{2\pi}{12}\right) = \sin\left(\frac{\pi}{4} + \frac{\pi}{6}\right) \\ \sin\left(\frac{\pi}{4} + \frac{\pi}{6}\right) &= \sin\frac{\pi}{4} \cos\frac{\pi}{6} + \cos\frac{\pi}{4} \sin\frac{\pi}{6} = \\ \left(\frac{\sqrt{2}}{2}\right)\left(\frac{\sqrt{3}}{2}\right) + \left(\frac{\sqrt{2}}{2}\right)\left(\frac{1}{2}\right) &= \\ \frac{\sqrt{6} + \sqrt{2}}{4}\end{aligned}$$





1. Don't fix what ain't broke.

IN CONGRESS, July 4, 1776.

The unanimous Declaration of the thirteen united States of America,

When in the Course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume among the powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation.

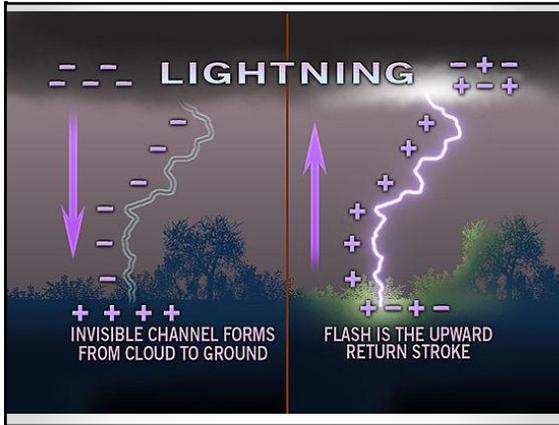
We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.--That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed, --That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness.

The Magical Number Seven, Plus or Minus Two

Miller, G., 1956

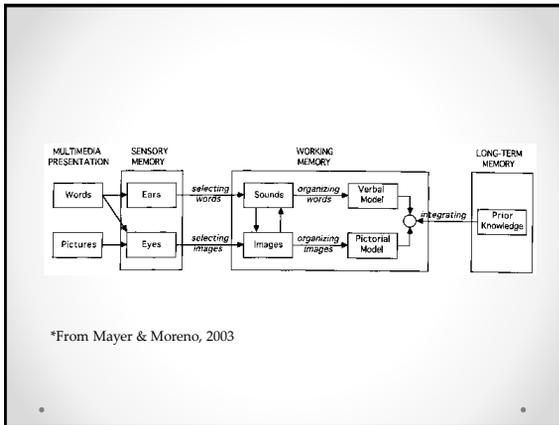
Let me summarize the situation in this way. There is a clear and definite limit to the accuracy with which we can identify absolutely the magnitude of a unidimensional stimulus variable. I would propose to call this limit the *span of absolute judgment*, and I maintain that for unidimensional judgments this span is usually somewhere in the neighborhood of seven. We are not completely at the mercy of this limited span, however, because we have a variety of techniques for getting around it and increasing the accuracy of our judgments. The three most important of these devices are (a) to make relative rather than absolute judgments; or, if that is not possible, (b) to increase the number of dimensions along which the stimuli can differ; or (c) to arrange the task in such a way that we make a sequence of several absolute judgments in a row.





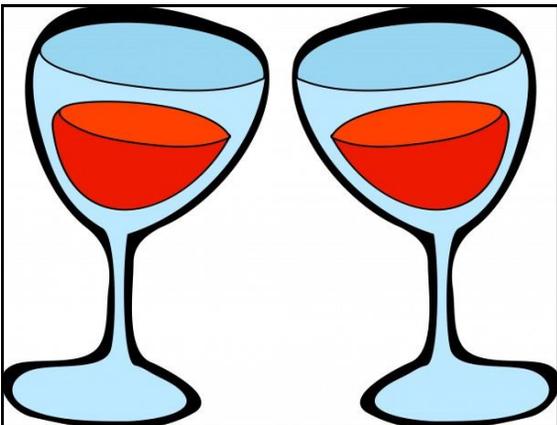
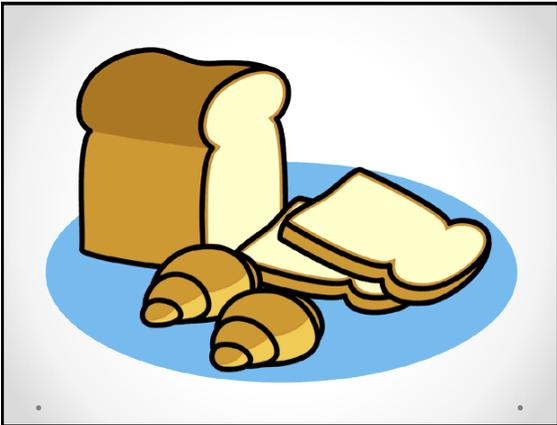
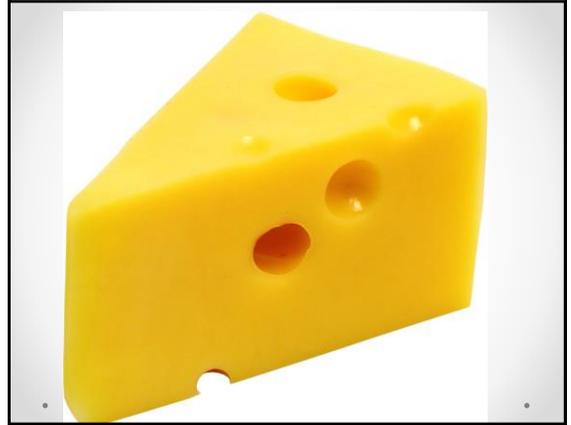
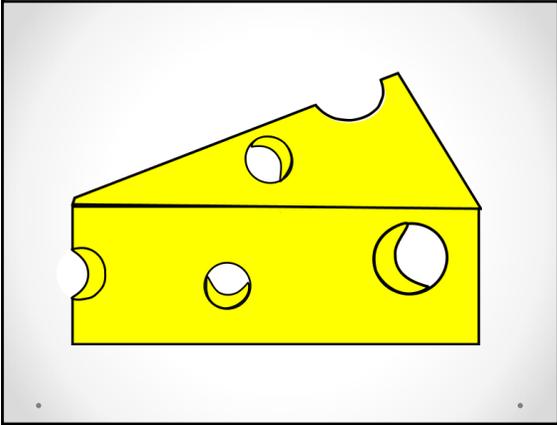
Nine Ways to Reduce Cognitive Load in Multimedia Learning

Mayer and Moreno, 2003



2. Your slides should complement the message, not compete with it.





3. Choose
cheese over
cheesy.



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