



Framework or Rationale for Today's Workshop:

Movement, one of the four main learning styles and teaching strategies, can support relevant psycho-educational goals, universal design, and student equity.

- a. demystification
- b. automaticity / memory
- c. ability to transfer skills
- d. collaborative learning

Four Most Common Categories of Teaching / Learning Styles

Visual Graphic



Kinesthetic Tactile



Four Main Learning Styles



Visual Text



Auditory



Brief Background Summary re: Teaching / Learning Styles

- **1. Consensus Definition:** How students receive, process, retain, and retrieve information in order to express or use it.
- **2. VARIETY & VARIATION:**
 - variety of names used for teaching / learning styles
 - variety of assessment instruments available
 - variation in statistics / views on learning style preferences
- **3. Sample Assessment** re: the four styles; see slide #8.
- **4. List of Strategies** based on the four teaching / learning styles: see handout.



Objective: Recognize & Implement Movement as a Teaching/Learning Strategy

- 1. **Math Word Problems:** from verbal to symbolic language, numbers & signs, directionality, use of movement for spatial relationships and order of operations.
- 2. **Math Formula, Distance, Rate & Time:** use of movement and color to present a mathematical “dance” and to improve procedural memory.
- 3. **Complex Words:** Symbolic “salad making” activity, followed by Inspiration Software to break down or build words into roots and affixes.
- 4. **Your Area:** brainstorm on your own or with a partner re: movement to increase student engagement, understanding, and/or memory.



Recap: Usefulness of Movement to Teach Elusive Concepts

- 1. Math Concepts: directionality, sequence, space / size relationships, math vocabulary, understanding of and memory of formulas.
- 2. Reading: construction of complex words for both decoding and encoding (spelling).
- 3. Other disciplines: movement may assist with the clarification of threshold concepts, e.g., History: timeline, cause and effect, long-term outcomes.



Recommended Toolbox

- 8.5 x 11 or cardstock in a variety of colors
- clear plastic salad bowl or similar item
- 8.5 x 11 color paper*
- color sticky notes and index cards*
- color pens, pencils, markers*
- rolls of color tape*

*Students should get these, also.



List of Today's Handouts and Resources Presenter's Contact Information

- 1. Power Point (eggshell)
- 2. Math: Selected word problems, and "Distance, Rate, Time" (white)
- 3. Website, Learning Styles Assessment (permission from C. Jester, DVC)
www.dvc.edu/enrollment/counseling/lss/survey.html
- 4. Learning Strategies (green)
- 5. Sample of Word Roots & Affixes (bi-fold), with suggested assignment
- 6. Inspiration Software (Inspiration Software, Inc.: www.inspiration.com)
- 7. Brainstorm: Using Movement in a Subject You Teach (purple)
- 8. Research articles (blue)

Thank you for participating today!

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