

**Moving from Learning Styles  
 to Research Based Learning Strategies**

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**You can find my PowerPoint, exercises, links to exercises, and references at:**<https://www.collegesuccess1.com/> **Click on Conferences.**

**Research based learning strategies are included in *College and Career Success* by Dr. Marsha Fralick, Kendall Hunt Publishing.**

**Research on the Learning Style Myth**

Paschler, H., McDaniel, M., Rohrer, D. and Bjork, R. (2010) Learning Styles: Concepts and Evidence. *Psychological Science in the Public Interest* 9, pp. 105-119 available at: <https://www.psychologicalscience.org/journals/pspi/PSPI_9_3.pdf>  
 “All You Need to Know about the Learning Styles Myth in Two Minutes”  
<http://www.wired.com/2015/01/need-know-learning-styles-myth-two-minutes/>  
“Finding Common Ground: The Myth of Learning Styles”  
<http://blogs.edweek.org/edweek/finding_common_ground/2014/04/the_myth_of_learning_styles.html>  
“Are Learning Styles a Symptom of Education Ills?  
<http://op-talk.blogs.nytimes.com/2015/02/25/are-learning-styles-a-symptom-of-educations-ills/?_r=0>  
“Can Neuroscientists Dispel the Myth that Children Have Different Learning Styles”  
<http://www.theguardian.com/science/head-quarters/2015/apr/24/can-neuroscientists-dispel-the-myth-that-children-have-different-learning-styles-im-a-scientist-learning-zone-wellcome-trust>  
“The Myth of Learning Styles”  
<http://www.changemag.org/archives/back%20issues/september-october%202010/the-myth-of-learning-full.html>  
“Brain Based Learning, Myth versus Reality: Testing Learning Styles and Dual Coding”  
<https://www.sciencebasedmedicine.org/brain-based-learning-myth-versus-reality-testing-learning-styles-and-dual-coding/>  

**Books on Brain Science and Learning**John Medina, ***Brain Rules***, (Seattle: Pear Press, 2008).  
Terry Doyle and Todd Zakrajsek, ***The New Science of Learning, How to Learn in Harmony with Your Brain***, (Sterling, Virginia: Stylus).

**Learning Strategies Based on Brain Science**

Multi-sensory Integration

Auditory

Tactile

Kinesthetic

Olfactory

Gustatory

Visualization

Meaningful Organization

Chunking

Elaboration

Positive Thinking

Develop an Interest

See the Big Picture

Intend to Remember

Distribute the Practice

Create a Basic Background

Relax While Studying

The Importance of Sleep

**Thinking about learning strategies based on brain science, write some intention statements about using them in your class or program.**