Bibliography

- Access Center. (2004, October 1). Retrieved August 31, 2009, from http://coe.jme.edu/mathvidsr/disabilities.htm.
- ACT, Inc. (2009). ACT National Curriculum Survey 2009. Retrieved March 5, 2015, from www.act.org/research/policymakers/pdf/National Curriculum Survey2009.pdf.
- Algozzine, B., Campbell, P., & Wang, A. (2009a). 63 tactics for teaching diverse learners: *Grades K–6*. Thousand Oaks, CA: Corwin.
- Algozzine, B., Campbell, P., & Wang, A. (2009b). *63 tactics for teaching diverse learners: Grades 6–12.* Thousand Oaks, CA: Corwin.
- Allen, R. (2008). *Green light classrooms: Teaching techniques that accelerate learning.* Victoria, Australia: Hawker Brownlow.
- Allen, R., & Currie, J. (2012). *U-turn teaching: Strategies to accelerate learning and transform middle school achievement.* Thousand Oaks, CA: Corwin.
- Allen, R., & Scozzi, N. (2012). Sparking student synapses 9–12: Think critically and accelerate learning. Thousand Oaks, CA: Corwin.
- Allen, R., & Wood, W. W. (2013). *The rock'n'roll classroom: Using music to manage mood, energy, and learning.* Thousand Oaks, CA: Corwin.
- Bacall, A. (2003a). *The lighter side of teaching*. Thousand Oaks, CA: Corwin.
- Bacall, A. (2003b). *The lighter side of technology in education*. Thousand Oaks, CA: Corwin.
- Barell, J. (2010). Problem-based learning: The foundation for 21st century skills. In J. Bellanca & R. Brandt (Eds.), 21st century skills: Rethinking how students learn. Bloomington, IN: Solution Tree Press.
- Barr, R. D., & Parrett, W. (2007). Saving our students, saving our schools: 50 proven strategies for helping. Thousand Oaks, CA: Corwin.
- Bellanca, J. A., Fogarty, R. J., & Pete, B. M. (2012). *How to teach thinking skills within the common core: 7 key student proficiencies of the new national standards.* Bloomington, IN: Solution Tree Press.
- Bender, W. (2005). *Differentiating math instruction: Strategies that work for K–8 class-rooms!* Thousand Oaks, CA: Corwin.
- Bender, W. N. (2012). *RTI in middle and high schools*. Bloomington, IN: Solution Tree Press.
- Berman, S. (2008). *Thinking strategies for science: Grades 5–12* (2nd ed.). Victoria, Australia: Hawker Brownlow.
- Berryman, S. E., & Bailey, T. R. (1992). *The double helix of education and the economy.* New York: Institute on Education and the Economy, Columbia University Teachers College.
- Bloom, B. S. (Ed.). (1956). *Taxonomy of educational objectives. The classification of educational goals, by a committee of college and university examiners.* New York: Longmans.
- Bulla, D. (1996). Think math! Interactive loops for groups. Chicago: Zephyr Press.
- Burgess, R. (2000). *Laughing lessons:* 1492/3 ways to make teaching and learning fun. Minneapolis, MN: Free Spirit.

- Burke, K. (2009). *How to assess authentic learning* (5th ed.). Thousand Oaks, CA: Corwin.
- Busche, L. (2013). *Handsketching: Things you didn't know your doodles could accomplish.* Retrieved March 4, 2015, www.smashingmagazines.com/.../things-y.
- Caine, R. N., Caine, G., McClintic, C., & Klimek, K. (2005). 12 brain/mind learning principles in action: The fieldbook for making connections, teaching, and the human brain. Victoria, Australia: Hawker Brownlow.
- Catterall, J., Chapleau, R., & Iwanga, J. (1999, Fall). *Involvement in the arts and human development: Extending an analysis of general associations and introducing the special cases of intense involvement in music and in theater arts* (Monograph Series No. 11). Washington, DC: Americas for the Arts.
- Checkley, K. (1999). *Math in the early grades: Laying a foundation for later learning*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Chung, S.-C., Tack, G. –R., Choi, M.–H., Lee, S.–J, Choi, J.-S., Yi, J.-H, Park, S.-J. (2009). Changes in reaction time when using oxygen inhalation during simple visual matching tasks. *Neuroscience Letters*, 453(3), 173–177.
- Coggins, D., Kravin, D., Coates, G. D., & Carrol, M. D. (2007). *English language learners in the mathematics classroom.* Thousand Oaks, CA: Corwin.
- Collier, C. (2010). *RTI for diverse learners: More than 200 instructional interventions.* Thousand Oaks, CA: Corwin.
- The Consortium: The Conference Board, Corporate Voices for Working Families, Partnership for 21st Century Skills, Society for Human Resource Management. (2006). Are they really ready to work? Employers' perspectives on the basic knowledge and applied skills of new entrants to the 21st century workforce. Washington, DC: Author.
- Cooper, N., & Garner, B. K. (2012). *Developing a learning classroom: Moving beyond management through relationships, relevance, and rigor.* Thousand Oaks, CA: Corwin.
- Costa, A. L. (1991). Teaching for intelligent behavior: Outstanding strategies for strengthening your students' thinking skills. Bellevue, WA: Bureau of Education and Research.
- Costa, A. L. (2008). *The school as a home for the mind: Creating mindful curriculum, instruction, and dialogue* (2nd ed.). Victoria, Australia: Hawker Brownlow Education.
- Covey, S. (1996). *The seven habits of highly effective people*. Salt Lake City, UT: Covey Leadership Center.
- Covili, J. (2012). *Going Google: Powerful tools for the 21st century.* Thousand Oaks, CA: Corwin.
- Curtain-Phillips, M. (2008). *How to make the most of math manipulatives—A fresh look at getting students' heads and hands around math concepts.* Retrieved August 31, 2009, from http://www.mathgoodies.com/articles/ manipulatives.html.
- Davis, L. (2002). *The importance of field trips*. Retrieved August 21, 2009, from http://gsa.confex.com.gsa/2002RM/finalprogram/abstract_33868.htr
- Dean, C. B., Hubbell, E. R., Pitler, H., & Stone, B. J. (2012). *Classroom instruction* that works: *Research-based strategies for increasing student achievement*, 2nd ed. Alexandria, VA: Association for Supervision and Curriculum Development.
- Delandtsheer, J. (2011). *Making all kids smarter: Strategies that help all students reach their highest potential.* Thousand Oaks, CA: Corwin.
- Dewar, G. (2008–2014). *The cognitive benefits of play: Effects on the learning brain.* Retrieved March 5, 2015, from www.parentingscience.com/benefits-of-pl
- Dewey, J. (1934). Art as experience. New York: Minion Ballet.
- Dewey, J. (1938). Experience and education. New York: Macmillan.
- Drake, S. (1996). Guided imagery and education. Theory, practice, and experience. *Journal of Mental Imagery*, 20, 1–58.
- Ekwall, E. E., & Shanker, J. L. (1988). *Diagnosis and remediation of the disabled reader* (3rd ed.). Boston: Allyn and Bacon.
- Feinstein, S. G. (2004). Secrets of the teenage brain: Research-based strategies for reaching and teaching today's adolescents. Thousand Oaks, CA: Corwin.

- Feinstein, S. G. (2009). Secrets of the teenage brain: Research-based strategies for reaching and teaching today's adolescents (2nd ed.). Thousand Oaks, CA: Corwin.
- Fisher, M. (2013). *Digital learning strategies*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Fogarty, R. (2009). *Brain-compatible classrooms* (3rd ed.). Victoria, Australia: Hawker Brownlow.
- Fraser, L. (2013). *The benefits of drawing*. Retrieved March 4, 2015, www.the drawing-website.com/.../the-bene
- Frontline. (2010, February 2). *Digital native map.* Retrieved March 15, 2015, from http://www.pbs.org/wgbh/pages/frontline/digitalnation/extras/digital_native.html Arlington, VA: Public Broadcasting Service.
- Gardner, H. (1983). Frames of mind: The theory of multiple intelligences. New York: Basic Books.
- Garner, R. (2005). *Humor, analogy, and metaphor: H.A.M. it up in teaching*. Retrieved March 5, 2015, from www.radicalpedagogy.org/.../Humor,_A
- George, E. M., & Coch, D. (2011). Music training and working memory: An ERP study. *Neuropsychologia*, 49, 1083–1094.
- Glasser, W. (1999). *Choice theory: A new psychology of personal freedom.* New York: HarperCollins.
- Glynn, S. (1996). Teaching with analogies: Building on the science textbook. *The Reading Teacher*, 49, 490–492.
- Graham, S., & Perin, D. (2007). A meta-analysis of writing instruction for adolescent students. *Journal of Educational Psychology*, 99(3), 445–476.
- Green, L. S., & Casale-Giannola, D. (2011). 40 active learning strategies for the block schedule. Thousand Oaks, CA: Corwin.
- Greene, J., & Kisida, B. (2013). *Research: School field trips give significant benefits*. Retrieved March 5, 2015, from www.news.uark.edu/.../research-school-field.
- Gregory, G. H., & Chapman, C. (2013). *Differentiated instructional strategies: One size doesn't fit all*. Thousand Oaks, CA: Corwin.
- Gregory, G. H., & Herndon, L. E. (2010). *Differentiated instructional strategies for the block schedule*. Thousand Oaks, CA: Corwin.
- Gregory, G. H., & Parry, T. (2006). *Designing brain-compatible learning* (3rd ed.). Thousand Oaks, CA: Corwin.
- Hattie, J. (2009). Visible learning: A synthesis of over 800 meta-analyses relating to achievement. London: Routledge.
- Institute for the Advancement of Research in Education (IARE). (2003). *Graphic organizers: A review of scientifically based research*. Portland, OR: Author.
- Jensen, E. (1995). *Brain-based learning & teaching*. Del Mar, CA: The Brain Store.
- Jensen, E. (2000). Moving with the brain in mind. *Educational Leadership*, 58(3), 34–37.
- Jensen, E. (2001). *Arts with the brain in mind*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Jensen, E. (2005). *Top tunes for teaching:* 977 *song titles and practical tools for choosing the right music every time.* Thousand Oaks, CA: Corwin.
- Jensen, E. (2007). *Brain-compatible strategies* (2nd ed.). Victoria, Australia: Hawker Brownlow Education.
- Jensen, E. (2008). *Brain-based learning: The new paradigm of teaching*. Thousand Oaks, CA: Corwin.
- Jensen, E. (2009a). *Fierce teaching: Purpose, passion, and what matters most.* Thousand Oaks, CA: Corwin.
- Jensen, E. (2009b). Super teaching (4th ed.). Thousand Oaks, CA: Corwin.
- Jensen, E., & Nickelsen, L. (2008). *Deeper learning: 7 powerful strategies for in-depth and longer-lasting learning*. Victoria, Australia: Hawker Brownlow.
- Johnson, D. W., Johnson, R. T., & Holubec, E. J. (1994). *The new circles of learning: Cooperation in the classroom and school*. Alexandria, VA: Association for Supervision and Curriculum Development.

- Jones, C. (2008). *The magic of metaphor*. Retrieved August 10, 2009, from http://www.Uxmatters.com/mt/archives/2008/php
- Karten, T. J. (2008). *More inclusion strategies that work!* Victoria, Australia: Hawker Brownlow Education.
- Karten, T. J. (2009). *Inclusion strategies that work for adolescent learners*. Thousand Oaks, CA: Corwin.
- Kelly, M. (2014, June 25). *Neural sweet talk: Taste metaphors emotionally engage the brain.* Retrieved March 5, 2015, from www.princeton.edu>...>News>Archive
- Kim, A. H., Vaugh, S., Wanzek, J., & Wei, S. (2004). Graphic organizers and their effects on the reading comprehension of students with LD: A synthesis of research. *Journal of Learning Disabilities*, 37(2), 105–118.
- Krepel, W. J., & Duvall, C. R. (1981). Field trips: A guide for planning and conducting educational experiences. Washington, DC: National Education Association.
- Kuhlmann, S., Kirschbaum, C., & Wolf, O. T. (2005, March). Effects of oral cortisol treatment in healthy young women on memory retrieval of negative and neutral words. *Neurobiology of Learning and Memory*, 83, 158–162.
- Longcamp, M., Boucard, C., Gilhodes, J. C., Anton, J. L., Roth, M., Nazarian, B., & Velay, J. L. (2008). Learning through hand- or typewriting influences visual recognition of new graphic shapes: Behavioral and functional imaging evidence, *Journal of Cognitive Neuroscience*, 20(5), 802–815.
- Mahoney, S. (2005, July/August). How to live longer. *American Association of Retired People*, 48(4B), 64–72.
- Markowitz, K., & Jensen, E. (2007). *The great memory book*. Heatherton, Victoria, Australia: Hawker Brownlow Education.
- Marsh, R. (2013). Effects of storytelling in education: Imagery arts—foundation of intelligence and knowledge. Retrieved February 25, 2015, from http://www.Richardmarsh.ie/effects.htm
- Marzano, R. J. (2007). *The art and science of teaching*. Alexandria, VA: Association for Supervision and Curriculum Development.
- McLaughlin, M., & Overturf, B. J. (2013). *The common core: Teaching K–5 students to meet the reading standards*. Newark, DE: International Reading Association.
- Melber, L. M., & Hunter, A. (2010). *Integrating language arts and social studies: 25 strategies for K–8 inquiry-based learning.* Thousand Oaks, CA: Sage.
- Nash, R. (2012). From seatwork to feetwork: Engaging students in their own learning. Thousand Oaks, CA: Corwin.
- National Council for the Social Studies. (2010). *National curriculum standards for social studies: A framework for teaching, learning, and assessment.* Silver Springs, MD: National Council for the Social Studies.
- National Council of Teachers of Mathematics (Eds.). (2000). *Principles and standards for school mathematics*. Reston, VA: Author.
- National Governors Association Center for Best Practices, Council of Chief State School Officers. (2010). Common Core State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects: Appendix B: Text Exemplars and Sample Performance Tasks. Washington, DC: Author.
- National Science Teachers Association (NSTA). (2006). Picturing to learn makes science visual. *NSTA Reports*, *18*(2), 20.
- Palincsar, A. S., & Brown, A. L. (1984). Reciprocal teaching in comprehension-fostering and comprehension-monitoring activities. *Cognition and Instruction*, 1(2), 117–175.
- Park, M.-H., Park, E.-J., Choi, J., Chai, S., Lee, J.-H., Lee, C., et al. (2011, December). Preliminary study of Internet addiction and cognitive function in adolescents based on IQ tests. *Psychiatry Research*, 190, 275–281.
- PBS. (2014, September 3). *Arts & the mind*. Retrieved March 4, 2015, from www .pbs. org/program/arts-mind/

- Perez, K. (2008). *More than 100 brain-friendly tools and strategies for literacy instruction*. Thousand Oaks, CA: Corwin.
- Popova, M. (2015, February 8). *The magic of metaphor: What children's minds reveal about the evolution of the imagination*. Retrieved March 5, 2015, from https://twitter.com/.../570760923763351
- Posamentier, A. S., & Hauptman, H. A. (2006). 101+ great ideas for introducing key concepts in mathematics: A resource for secondary school teachers (2nd ed.). Thousand Oaks, CA: Corwin.
- Posamentier, A. S., & Jaye, D. (2006). What successful math teachers do, Grades 6–12: 79 research-based strategies for the standards-based classroom. Thousand Oaks, CA: Corwin.
- Prensky, M. (2006). *Don't bother me, Mom—I'm learning!* St. Paul, MN: Paragon House. Prensky, M. (2009, February). H. Sapiens Digital: From digital immigrants and digital natives to digital wisdom. *Innovate: Journal of Online Education*, 5(3).
- Prystay, C. (2004, December 13). As math skills slip, U.S. schools seek answers from Asia. *The Wall Street Journal*, pp. A1–A8.
- Ronis, D. L. (2006). *Brain-compatible mathematics* (2nd ed.). Thousand Oaks, CA: Corwin.
- Rothstein, A. S., Rothstein, E., & Lauber, G. (2006). *Write for mathematics* (2nd ed.). Thousand Oaks, CA: Corwin.
- Scott, D., & Marzano, R. J. (2014). Awaken the learner: Finding the source of effective education. Bloomington, IN: Marzano Research Laboratory.
- Sebesta, L. M., & Martin, S. R. M. (2004). Fractions: Building a foundation with concrete manipulatives. *Illinois Schools Journal*, 83(2), 3–23.
- Secretary's Commission on Achieving Necessary Skills (SCANS). (1991). What work requires of schools: A SCANS report for America 2000. Washington, DC: U.S. Department of Labor.
- Sousa, D. A. (2006). How the brain learns (3rd ed.). Thousand Oaks, CA: Corwin.
- Sousa, D. A. (2007). *How the special needs brain learns* (2nd ed.). Thousand Oaks, CA: Corwin.
- Sousa, D. A. (2011). *How the brain learns* (4th ed.). Thousand Oaks, CA: Corwin.
- Sousa, D. A. (2012). *Brainwork: The neuroscience behind how we lead others.* Bloomington, IN: Triple Nickel Press.
- Sousa, D. A., & Pilecki, T. (2013). From STEM to STEAM: Using brain-compatible strategies to integrate the arts. Thousand Oaks, CA: Corwin.
- Sousa, D., & Tomlinson, C. (2011). *Differentiation and the brain: How neuro-science supports the learner-friendly classroom*. Bloomington, IN: Solution Tree Press.
- Sprenger, M. (2007a). Becoming a "wiz" at brain-based teaching: How to make every year your best year (2nd ed.). Thousand Oaks, CA: Corwin.
- Sprenger, M. (2007b). Memory 101 for educators. Thousand Oaks, CA: Corwin.
- Sprenger, M. (2008). *The developing brain: Birth to age eight*. Thousand Oaks, CA: Corwin.
- Sprenger, M. (2010). *Brain-based teaching in the digital age*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Stauffer, R. G. (1975). *Directing the direct reading-thinking process*. New York: Harper & Row.
- Sternberg, R. J., & Grigorenko, E. L. (2000). *Teaching for successful intelligence: To increase student learning and achievement*. Arlington Heights, IL: Skylight.
- Stibich, M. (2014, May 1). Retrieved February 25, 2015, from longevity.about.com >About Health.
- Strong, R. W., Silver, H. F., Perini, M. J., & Tuculescu, G. M. (2002). Reading for academic success: Powerful strategies for struggling, average, and advanced readers, grades 7–12. Thousand Oaks, CA: Corwin.
- Summey, D. C. (2013). *Developing digital literacies: A framework for professional learning*. Thousand Oaks, CA: Corwin.

- Tate, M. L. (2009). *Mathematics worksheets don't grow dendrites: 20 numeracy strategies that engage the brain.* Thousand Oaks, CA: Corwin.
- Tate, M. L. (2012). Social studies worksheets don't grow dendrites: 20 instructional strategies that engage the brain. Thousand Oaks, CA: Corwin.
- Tate, M. L. (2014a). Reading and language arts worksheets don't grow dendrites: 20 literacy strategies that engage the brain. Thousand Oaks, CA: Corwin.
- Tate, M. L. (2014b). Shouting won't grow dendrites: 20 techniques to detour around the danger zones (2nd ed.). Thousand Oaks, CA: Corwin.
- Tate, M. L., & Phillips, W. G. (2011). Science worksheets don't grow dendrites: 20 instructional strategies that engage the brain. Thousand Oaks, CA: Corwin.
- Tileston, D. W. (2011). *Closing the RTI gap: Why poverty and culture count.* Bloomington, IN: Solution Tree Press.
- Tileston, D. W., & Darling, S. K. (2009). *Why culture counts: Teaching children of poverty.* Bloomington, IN: Solution Tree Press.
- Todd, L. (2014). *How much learning happens on field trips? A lot, a new study says*. Retrieved March 20, 2015, from http://www.seattletimes.com/education-lab/how-much-learning-happens-on-field-trips-a-lot-a-new-study-says/
- Udvari-Solner, A., & Kluth, P. (2008). *Joyful learning: Active and collaborative learning in inclusive classrooms*. Thousand Oaks, CA: Corwin.
- University of Arkansas. (2014, October 16). *Major benefits for students who attend live theater*. Retrieved March 5, 2015, www.sciencedaily.com/.../141016165953
- Wall, E. S., & Posamentier, A. S. (2006). What successful math teachers do, Grades *PreK*–5: 47 research-based strategies for the standards-based classroom. Thousand Oaks, CA: Corwin.
- Walsh, J., & Sattes, B. (2005). Quality questioning: Research-based practice to engage every learner. Thousand Oaks, CA: Corwin.
- Widrich, L. (2012). *The science of storytelling: What listening to a story does to our brains*. Retrieved February 25, 2015, from blog.bufferapp.com/science-of storytelling-why.
- Wiggins, G., & McTighe, J. (2008, May). Put understanding first. *Educational Leadership*, 65(19), 36–41.
- Wiley-Blackwell, (2009, February 11). Adolescents involved with music do better in school. *ScienceDaily*. Retrieved January 7, 2015, from www.sciencedaily.com/releases/2009/02/090210110043.htm
- Willis, J. (2006). *Research-based strategies to ignite student learning*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Willis, J. (2007a). *Brain-friendly strategies for the inclusion classroom*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Willis, J. (2007b, Summer). *The neuroscience of joyful education*. Retrieved July 20, 2007, from www.ascd.org.80
- Wolfe, P., & Nevills, P. (2004). *Building the reading brain. PreK–3*. Thousand Oaks, CA: Corwin.
- Wonacott, M. E. (1993). *Apprenticeship and the future of the workplace*. Retrieved September 3, 2009, from http://www.ericdigests.org/1992–3/future.htm
- Zhou, Y., Lin, F.-C., Du, Y.-S., Qin, L.-D., Zhao, Z.-M., Xu, J.-R., et al. (2011, July). Gray matter abnormalities in Internet addiction: A voxel-based morphometry study. *European Journal of Radiology*, 79, 92–95.