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Executive Functions and Language: Current Insights & Future Implications

References

- Alderman, N., Burgess, P.W., Knight, C., & Henman, C. (2003). Ecological validity of a simplified version of the multiple errands test. *Journal of the International Neuropsychological Society*, 9, 31-44.
- Anderson, P. (2002). Assessment and development of executive function (EF) during childhood. *Child Neuropsychology*, 8(2), 71-82.
- Anderson, V. (2001). Assessing executive functions in children: Biological, psychological, and developmental considerations. *Pediatric Rehabilitation*, 4(3), 119-136.
- Barkley, R. A. (1997). Behavioral inhibition, sustained attention, and executive functions: constructing a unified theory of ADHD. *American Psychological Association, Psychological Bulletin*, 121(1), 65-94.
- Barkley, R. A. (2012). *Executive Functions*. New York, NY: Guilford Press.
- Baddeley, A. D. (2010). Working memory. *Current Biology*, 20(4), R136-R140.
- Baddeley, A. D., & Hitch, G. J. (1974). Working memory. In G. Bower (Ed.), *The psychology of learning and motivation: Advances in research and theory* (pp. 47-90). New York, NY: Academic Press.
- Barco, P. P., Crosson, B., Bolesta, M. M., Werts, D., & Stout, R. (1991). Training awareness and compensation in postacute heady injury rehabilitation. In J. S. Kreutzer & P. H. Wehman (Eds.) *Cognitive rehabilitation for person with traumatic brain injury: A functional approach*. Baltimore: Paul H. Brookes, (pp. 129-146).
- Bialystok, E., & Martin, M. M. (2004). Attention and inhibition in bilingual children: evidence from the dimensional change card sort task. *Developmental Science*, 7(3), 325-339.
- Bodrova, E., & Leong, D. (2007). *Tools of the mind: The Vygotskian approach to early childhood education*. New York, NY: Merrill.
- Cohen, N. J., Vallance, D. D., Barwick, M., Menna, R., Im, N., Horodezky, N. B., & Isaacson, L. (2000). The interface between ADHD and Language Impairment: An examination of language, achievement, and cognitive processing. *Journal of Child Psychology and Psychiatry*, 41(3), 353-362.
- Collins, A., Brown, J. S., & Newman, S. E. (1989). Cognitive apprenticeship: Teaching the crafts of reading, writing, and mathematics. In L. B. Resnick (Ed.), *Knowing, learning, and instruction: Essays in honor of Robert Glaser* (pp. 453-494). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Dawson, P., & Guare, R. (2010). *Executive skills in children and adolescents: a practical guide to assessment and intervention*. New York, NY: Guilford Press.
- Diamond, A. (2010). The evidence base for improving school outcomes by addressing the whole child and by addressing skills and attitudes, not just content. *Early Educational Development*, 21(5), 780-793.
- Diamond, A., Barnett, W., Thomas, J., & Munro, S. (2007). Preschool program improves cognitive control. *Science*, 318(5855), 1387-1388.
- Delis, D., Kaplan, E., & Kramer, J.H. (2001). *Delis-Kaplan executive function system*. San Antonio, TX: Psychological Corporation.
- Emslie, H., Wilson, F. C., Burden, V., Nimmo-Smith, I., & Wilson, B. A. (2003). *Behavioral Assessment of the Dysexecutive Syndrome for Children (BADSC)*. London, UK: Psychological Corporation.
- Fahy, J. (2009). *Trail mix novel task* (Assessment procedure). Eastern Illinois University, Charleston, IL.
- Friederici, A.D. (2011). The brain basis of language processing: From structure to function. *Physiological Reviews*, 91, 1357-1392.
- Genenbacher, K. (2012). *Executive functions as rated by teachers of preschool children with language impairment and typical language skills*. (Senior honor's thesis). Eastern Illinois University, Charleston, IL.
- Golden, J. C. (1978). *Stroop color and word test*. Chicago, IL: Stoelting.
- Goldman-Rakic, P.S. (1995). Cellular basis of working memory. *Neuron* 14: 477-485.
- Gioia, G. A., Isquith, P. K., Guy, S. C., & Kenworthy, L. (2000). *Behavior rating of executive function (BRIEF)*. Lutz, FL: PAR, Inc.

- Gresham, F.M., & Elliot, S.N. (1990). *Social Skills Rating System (SSRS)*. Circle Pines, MN: American Guidance Service.
- Henry, L. A., & Bettenay, C. (2010). The assessment of executive functioning in children. *Child & Adolescent Mental Health, 15*(2), 110-119.
- Henry, L. A., Messer, D. J., & Nash, G. (2012). Executive functioning in children with specific language impairment. *Journal Of Child Psychology & Psychiatry, 53*(1), 37-45.
- Hirstein, W., & Sifferd, K. (2011). The legal self: Executive processes and legal theory. *Consciousness & Cognition, 20*(1), 156-171.
- Hoffman, L. M., & Gillam, R. B. (2004). Verbal and spatial information processing constraints in children with specific language impairment. *Journal Of Speech, Language & Hearing Research, 47*(1), 114-125.
- Hughes, C. (2011). Changes and challenges in 20 years of research into the development of executive functions. *Infant & Child Development, 20*(3), 251-271.
- Hughes, D. M., Turkstra, L. S., & Wulfek, B. B. (2009). Parent and self-ratings of executive function in adolescents with specific language impairment. *International Journal Of Language & Communication Disorders, 44*(6), 901-916.
- Hungerford, S., & Gonyo, K. (2007). *Relationships between executive functions and language variables*. (Presentation at ASHA convention).
- Im-Bolter, N., Johnson, J., & Pascual-Leone, J. (2006). Processing Limitations in Children With Specific Language Impairment: The Role of Executive Function. *Child Development, 77*(6), 1822-1841.
- Isquith, P. K., Roth, R. M., Gioia, G. A. (2010). *Tasks of executive control (TEC)*. Chicago, IL: Stoelting.
- Kaufman, C. (2010). *Executive function in the classroom: practical strategies for improving performance and enhancing skills for all students*. Baltimore, MD: Paul H. Brookes Publishing Co.
- Kurland, J. (2011). The role that attention plays in language processing. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders, 21*, 47-54.
- Kuusisto, M. (2010). *Behavioral aspects of executive functions of school-age children with a history of specific language impairment*. (Licentiate thesis). University of Tampere, Finland.
- Law, J., Tomblin, J., & Xuyang, Z. (2008). Characterizing the Growth Trajectories of Language-Impaired Children Between 7 and 11 Years of Age. *Journal Of Speech, Language & Hearing Research, 51*(3), 739-749.
- Leonard, L. B., Weismer, S., Miller, C. A., Francis, D. J., Tomblin, J., & Kail, R. V. (2007). Speed of Processing, Working Memory, and Language Impairment in Children. *Journal Of Speech, Language & Hearing Research, 50*(2), 408-428.
- Lezak, M. D. (1982). The problem of assessing executive functions. *International Journal Of Psychology, 17*(1-4), 281-297.
- Lezak, M. D. (1983). *Neuropsychology assessment*. New York, NY: Oxford University Press.
- Luria, A. R. (1973). *The Working Brain: An Introduction to Neuropsychology*. New York: Basic Books.
- Llorrente, A. M., Williams, K., Satz, P., D'Elia, L. F. (2003). *Children's Color Trails Test*. Lutz, FL: PAR, Inc.
- Marlowe, W. B. (2000). An intervention for children with disorders of executive functions. *Developmental Neuropsychology, 18*(3), 445-454.
- Marton, K. (2008). Visuo-spatial processing and executive functions in children with specific language impairment. *International Journal Of Language & Communication Disorders, 43*(2), 181-200.
- Marton, K., & Schwartz, R. G. (2003). Working memory capacity and language processes in children with specific language impairment. *Journal Of Speech, Language & Hearing Research, 46*(5), 1138-1153.
- McCloskey, G., Perkins, L. A., & Van Divner, B. (2009) *Assessment and intervention for executive function difficulties*. New York, NY: Routledge.
- Meichenbaum, D. H., & Goodman, J. (1971). Training impulsive children to talk to themselves: A means of developing self-control. *Journal of Abnormal Psychology, 77*(2), 113-126.
- Mercer, N., & Sams, C. (2006). Teaching children how to use language to solve math problems. *Language and Education, 20*, 507-527.
- Norman, D., & Shallice, T. (1986). Attention to action: Willed and automatic control of behavior. In R. Davidson, R. G. Schwartz, & D. Shapiro (Eds.), *Consciousness and self-regulation: Advances in research and theory* (pp. 1-18). New York: Plenum Press.

- Pennington, B. F., & Ozonoff, S. (1996). Executive Functions and Developmental Psychopathology. *Journal Of Child Psychology & Psychiatry & Allied Disciplines*, 37(1), 51-87.
- Richard, G., & Fahy, J. (2005). *The source for development of executive functions*. East Moline, IL: Linguisticsystems.
- Schneider, P., & Watkins, R. V. (1996). Applying Vygotskian developmental theory to language intervention. *Language, Speech & Hearing Services In Schools*, 27(2), 157-170.
- Shallice, T., & Burgess, P.W. (1991). Deficits in strategy application following frontal lobe damage in man. *Brain*, 114, 727-741.
- Shallice, T., & Burgess, P.W. (1991). *Multiple Errands Test*. (Public domain).
- Shallice, T., & Burgess, P.W. (1993). Supervisory control of action and thought selection. In *Attention: Selection, Awareness and Control*. (Eds. A. D. Baddeley and L. Weiskrantz). Oxford: Oxford University Press.
- Sohlberg, M.M., & Mateer, C.A. (2001). *Cognitive rehabilitation: An integrated neuropsychological approach*. New York: Guilford Publications.
- Spaulding, T. J., Plante, E., & Vance, R. (2008). Sustained selective attention skills of preschool children with specific language impairment: Evidence for separate attentional capacities. *Journal Of Speech, Language & Hearing Research*, 51(1), 16-34.
- St. Clair-Thompson, H. L., & Gathercole, S. E. (2006). Executive functions and achievements in school: Shifting, updating, inhibition, and working memory. *Quarterly Journal Of Experimental Psychology*, 59(4), 745-759.
- Sturn, A., & Johnston, J. (1999). Thinking out loud: An exploration of problem-solving language in preschoolers with and without language impairment. *International Journal of Language & Communication Disorders*, 34(1), 1-15.
- Stuss, D. T., & Alexander, M. P. (2000). Executive functions and the frontal lobes: a conceptual view. *Psychological Research*, 63(3/4), 289.
- Tomblin, J., & Records, N. L. (1996). A system for the diagnosis of specific language impairment in kindergarten children. *Journal Of Speech & Hearing Research*, 39(6), 1284.
- Trainor, K. (2010). *The relationship between preschool executive function skills and oral narrative skills*. (Senior honor's thesis). Eastern Illinois University, Charleston, IL.
- Trainor, K. (2012). *Executive functions and preschool language skills*. (Master's thesis). Eastern Illinois University, Charleston, IL.
- Vygotsky, L. S. (1978). *Mind in society: The development of higher psychological processes*. Cambridge, Massachusetts: Harvard University Press.
- Wertsch, J. (1984). The zone of proximal development: Some conceptual issues. In B. Rogoff, & J. Wertsch (Eds.) *Children's learning in the zone of proximal development* (pp. 7-18). San Francisco, CA: Jossey-Bass Inc.
- Wittke, K. (2011). *Specific language impairment and executive function: Parent and teacher ratings of behavior*. (Master's thesis). Eastern Illinois University, Charleston, IL.
- Ye, Z. & Zhou, X. (2009) Executive control in language processing. *Neuroscience and Biobehavioral Reviews*, 33, 1168-1177.