

RESEARCH ACCOMPLISHMENTS (2005-2013)

CSD DEPARTMENT REQUIREMENTS¹

**** DENOTES RESEARCH CO-AUTHORED WITH STUDENTS**

Peer-reviewed work: (Total of 10 required)

Peer-reviewed articles: (Required: minimum of 3, on 2 of which individual must be first author)

- Masterson, J.J., & Apel, K. (in press). Monitoring progress in spelling improvement. *Perspectives on Language Learning and Education*.
- Apel, K., Wolter, J.A., & Masterson, J.J. (2012). Mental Graphemic Representations. In N.M. Seel (Ed.), *Encyclopedia of the Sciences of Learning* (Vol. 5, pp. 2185-2186). New York: Springer.
- Calhoun, M., & Masterson, J. (2011). Lexical analysis of words on commonly used standardized spelling assessments. *Assessment for Effective Intervention*, 36(2), 80-93.
- **** Ivy, L., & Masterson, J. (2011). A comparison of oral and written English styles in African American students. (2010). *Language, Speech, Hearing Services in Schools*, 42, 31-40.
- Masterson, J., & Apel, K. (2010). The *Spelling Sensitivity Score*: Noting developmental changes in spelling knowledge. *Assessment for Effective Intervention*, 36(1), 35-45.
- Masterson, J., & Apel, K. (2010). Linking characteristics discovered in spelling assessment to intervention goals and methods. *Learning Disabilities Quarterly*, 33, 3, 185-198.
- Williams, C., & Masterson, J. (2010) Phonemic awareness and early spelling skills in urban Australian Aboriginal and non-Aboriginal children. *International Journal of Speech-Language Pathology*, 12(6), 497-507.
- **** Powell, A. & Masterson, J. (June, 2009). The effects of structured writing intervention for elementary students with special needs: A systematic review. *Evidence-Based Practice Briefs*, 3, 59-73.
- Masterson, J. (2009). Curriculum-based measurement procedures for writing meet minimal reliability and validity standards: More complex measures offer promise for secondary students. [Abstract]. *Evidence-Based Communication Assessment and Intervention*, 3, 4-7. Abstract of McMaster, K., & Espin, C. (2007). Technical features of curriculum-based measurement in writing. *The Journal of Special Education*, 41, 68-84.
- Apel, K., Wolter, J., & Masterson, J. (2006) Effects of phonotactic and orthotactic probabilities during fast-mapping on five-year-olds' learning to spell. *Developmental Neuropsychology*, 29(1), 21-42.
- Masterson, J., & Apel, K. (2006). Effects of modality on spelling words varying in linguistic demands. *Developmental Neuropsychology*, 29(1), 261-277.
- **** Masterson, J., Davies, L., & Masterson, G. (2006). Coach talk: Linguistic demands in youth sports. *Language, Speech, and Hearing Services in Schools*, 37, 39-49.
- **** Masterson, J., Bernhardt, B., & Hofheinz, M. (2005). A comparison of single word and conversational speech in phonological evaluation. *American Journal of Speech-Language Pathology*, 14(3), 229-241.

Peer-reviewed presentations: (Required: minimum of 2 at professional meetings)

- Masterson, J., & Apel, K. (2012). The multilinguistic model of spelling and reading: A decade later. Seminar presented at the annual meeting of the American Speech-Language-Hearing Association, November, Atlanta.
- **** MacDowell, A., Jones, E., Mack, R., & Masterson, J. (2012). The effects of classroom-based multilinguistic word study on spelling skills. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, Atlanta.

¹ The matrix was created within the context of the CSD plan that was approved in 2007. A revision was approved and put into place in 2012.

- ** Masterson, J., Maerlender, A., Hebron, A., & Danalds, T. (2012). Validation of alternate forms of the *Developmental Reading Fluency Test*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, Atlanta.
- Masterson, J., & Preston, J. (2012). Spelling profiles in children with sound system disorders. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, Atlanta.
- ** Masterson, J., Larsen, D., Maerlender, A., & Friemoth-Lee, R. (2011). Characterizing spelling and reading fluency development in persistently poor readers. Poster presented at the annual meeting of the Society for the Scientific Study of Reading, July, St. Pete Beach, FL.
- Masterson, J. (2009). Classroom implementation of the multilinguistic model for literacy instruction. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, New Orleans.
- ** Masterson, J., Henbest, V., White, L., & Najim, F. (2009). Behavioral and non-behavioral measures of literacy development. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, New Orleans.
- ** Masterson, J., Apel, K., Watson, A., & Reichert, M. (2009). The spelling sensitivity score: Representing increases in accuracy and complexity. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, New Orleans.
- ** Masterson, J., Turner, E., Wang, A., & Oetting, T. (2009). Combining the multilinguistic model and visual phonics for literacy instruction. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, November, New Orleans.
- ** Masterson, J., & McLaughlin, V. (2009). The relationship between spelling and reading: The metric matters. Poster presented at the annual meeting of the Society for the Scientific Study of Reading, June, Boston.
- Wilson-Fowler, E.B., Apel, K., Masterson, J.J., & Goldstein, H. (2009, June). The use of the spelling sensitivity scoring procedure with at-risk kindergarten children. Paper presented at the Society for the Scientific Study of Reading, Boston, MA.
- Apel, K., Wilson-Fowler, E., Goldstein, H., & Masterson, J. (2008). *Measuring developmental changes in spelling skills: Determining the appropriate analysis*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, Chicago.
- Masterson, J., Lee, S., and Apel, K. (2008). *The Spelling Sensitivity Score: A measure of children's developing linguistic knowledge*. Poster presented at the XI International Congress for the Study of Child Language, July: Edinburgh, Scotland.
- ** Apel, K., Fowler, E., Conlin, C., Masterson, J., & Goldstein, H. (2008). *Assessing developmental changes in spelling in at-risk kindergarten and first grade children*. Poster presented at the XI International Congress for the Study of Child Language, July: Edinburgh, Scotland.
- Wilson-Fowler, E.B., Apel, K., Masterson, J.J., & Goldstein, H. (2008). *Marking developmental change in spelling and its relation to reading ability*. Paper presented at the Society for Research in Child Language, June: Madison, WI.
- ** Martien, B., Basye, S. & Masterson, J. (2008). A system for determining eligibility for sound system disorder in Missouri. Miniseminar presented at the annual convention of the Missouri Speech-Language-Hearing Association, March, Tan-Tar-A.
- ** Masterson, J., & Burrus, M. (2007). Spelling skills of children with phonological disorders. Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, Boston.
- Justice, L., Kaderavek, J., Gillam, S., Loeb, D., Daniels, D., & Masterson, J. (2007). Evidence to practice: New findings from school-based language intervention research. Miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, November, Boston.

- Chial, M., Masterson, J., & Vander Woude, J. (2007). *Quality teaching: Focused initiative for the PhD shortage*. Invited miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, November, Boston.
- Kamhi, A., Apel, K., & Masterson, J. (2007). SLI/LD/Dyslexia/APD/ADHD: Treatment priorities for the student who has it all. Miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, November, Boston.
- Cron, D., Masterson, J., Wood, L., & Jones, C. (2006). Increasing Skills in Literature Selection & Use for Literacy Intervention. Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, Miami.
- **** Masterson, J., & Mooney, R. (2006). : Criterion Validity of Spelling Evaluation for Language & Literacy (SPELL). Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, Miami.
- **** Masterson, J., Burrus, M., Glaser, R., Griswold, A., Johnson, S. (2006). Multilingualistic word study implemented in a classroom setting. Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, Miami.
- Chial, M., Masterson, J., & Vander Woude, J. (2005). *Quality teaching: Focused initiative for the PhD shortage*. Invited miniseminar presented at the annual convention of the American Speech-Language-Hearing Association, November, San Diego.
- **** Masterson, J.J., Black, B., Ellman, K., Greig, A., Mooney R., & Wald, M. (2005). *Tailored reading-spelling instruction*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, November, San Diego.
- **** Masterson, G., Nichols, K., & Masterson, J. (2005). *The effects of increased heart rate on memory and performance of a motor sequence*. Poster presented at the annual meeting of the National Strength and Conditioning Association, July, Las Vegas.

Other publications (Encouraged)

- Wasowicz, J., Apel, K., Masterson, J., & Whitney, A. (2013). *Spell Links to Reading and Writing (Second Edition)*. Evanston, IL: Learning By Design, Inc.
- Masterson, J. J., & Apel, K. (2013). Spelling assessment frameworks. In A. Stone, E.R. Silliman, B. Ehren, & G. Wallach, (Eds.), *Handbook of Language and Literacy: Development and Disorders*, 2nd Edition. New York: Guilford Press.
- Apel, K., & Masterson, J. (2012). *Beyond baby talk: From speaking to spelling: A guide to language and literacy development for parents and caregivers* (fully revised). New York: Three Rivers Press-Random House.
- Apel, K., Masterson, J.J., & Brimo, D. (2011). Spelling assessment and intervention: A multiple linguistic approach to improving literacy outcomes (pp. 226-243). In A.G. Kamhi & H.W. Catts (Eds). *Language and reading disabilities* (3rd ed.).
- Apel, K., Wilson-Fowler, E.B., & Masterson, J.J. (2011). Developing word-level literacy skills in children with and without typical communication skills. In S. Ellis, E. McCartney, & J. Bourne (Eds.), *Insight and impact: Applied linguistics and the primary school* (pp. 229-241). London, UK: Cambridge University Press.
- **** Masterson, J., & Hrbec, B. (2011). *Computerized Spelling Sensitivity System*. [computer software]. Springfield, MO: Missouri State University Language-Literacy Lab.
- Cron, D., & Masterson, J. (2010). *Treating Reading and Spelling Skills in an Elementary Student*. In Chabon, S., & Cohn, E. (Eds.). *Communication Disorders: A Case-Based Approach: Stories from the Front Line* (pp.303-309). Boston, MA: Pearson/Allyn & Bacon.
- Masterson, J. J., Apel, K. & Wasowicz, J. (2009). *SPELL-2g Spelling Performance Evaluation for Language and Literacy® - Second Edition* with Grouping Tool workstation [Computer software]. Evanston, IL: Learning By Design, Inc.

- Masterson, J. (2009). *Classroom Implementation of the Masterson-Apel Multilinguistic Model for Literacy Assessment and Instruction*. Technical report for Greenwood Laboratory School, Missouri State University.
- **** Masterson, J. & Basye, S. (2008). *Optimal treatment for sound system disorders*. Technical report for Missouri Department of Elementary and Secondary Education.
- **** Masterson, J. & Basye, S. (2008). *Procedures for differentiating dialectal variation from sound system disorder*. Technical report for Missouri Department of Elementary and Secondary Education.
- Kamhi, A., Masterson, J., & Apel, K. (Eds). (2007). *Clinical decision making in developmental language disorders*. Baltimore: Paul H. Brookes Publishing Company.
- **** Masterson, J. & Basye, S. (2007). *Educational outcomes of sound system disorder*. Technical report for Missouri Department of Elementary and Secondary Education.
- **** Masterson, J. & Basye, S. (2007). *Benefits of instruction/intervention for sound system disorder delivered by caregivers*. Technical report for Missouri Department of Elementary and Secondary Education.
- **** Masterson, J. & Basye, S. (2007). *Proposed Missouri DESE developmental standards for sound system disorder: Research base*. Technical report for Missouri Department of Elementary and Secondary Education.
- Masterson, J., Apel, K., & Wasowicz, J. (2006). *Spelling evaluation for language and literacy- 2 (SPELL-2)* [computer software]. Evanston, IL: Learning by Design.

Invited Presentations

- Masterson, J. (2013). Using metalinguistic skills to increase literacy performance in all learners. Keynote presented at the Dubard Symposium on Dyslexia, September, Hattiesburg, MS.
- Masterson, J. (2013). Spelling, reading, and writing: Using metalinguistic skills to enhance performance in learners of all ability levels. Professional development workshop presented to Valdez School District, February, Valdez, AK.
- Masterson, J. (2012). Spelling and word-level reading in children with Childhood Apraxia of Speech and other communication disorders. Workshop presented to C.A.S.E., October, Chicago.
- Masterson, J. (2012). Spelling, reading, and writing: Putting the piece of the literacy puzzle together. Workshop presented to the Poplar Bluff School District, August, Poplar Bluff, MO.
- Masterson, J. (2012). Spelling and word level reading in children with developmental apraxia of speech. Webinar presented for the Childhood Apraxia of Speech Association of North America, January.
- Masterson, J. (2011). Putting the pieces of the literacy puzzle together. Professional development workshop presented to Speech-Language Pathology Australia- New South Wales, March, Sydney.
- Masterson, J. (2011). Putting the pieces of the literacy puzzle together. Professional development workshop presented to Speech-Language Pathology Australia-Victoria, March, Melbourne.
- Masterson, J. (2011). The ABCs of word-level reading and spelling. Professional development workshop presented to Speech-Language Pathology Australia-Western Australia, March, Perth.
- Masterson, J. & Apel, K. (2011). Using meta skills to enhance reading and spelling. Professional development workshop presented for Kidz Therapy Services, February, Garden City, NY.
- Masterson, J. (2011). Spelling, reading, and writing: Putting the pieces of literacy together. Weekends with the Experts, Florida Department of Education, January, San Destin.
- Masterson, J. (2010). The ABCs of spelling and word-level reading: Intervention. Seminar presented at the annual meeting of the Arkansas Speech-Language-Hearing Association, October, Little Rock.
- Masterson, J. (2010). The ABCs of spelling and word-level reading: Assessment. Seminar presented at the annual meeting of the Arkansas Speech-Language-Hearing Association, October, Little Rock.
- Masterson, J. (2010). Disordered phonology: New perspectives for an old friend. Seminar presented at the annual meeting of the Arkansas Speech-Language-Hearing Association, October, Little Rock.

- Masterson, J. (2010). Spelling Assessment: Implications for Optimal Instruction in Reading and Writing. Teleseminar presented for the American Speech-Language-Hearing Association Schools Conference, September.
- Masterson, J. (2010). The ABCs of spelling and word-level reading. Workshop presented to the Corona-Norco Unified School District, September, Norco, California.
- Apel, K., & Masterson, J. (2010). Using meta-skills to foster early literacy: Intervention. Seminar presented at the annual American Speech-Language-Hearing Association Schools Conference, July, Las Vegas.
- Masterson, J., & Apel, K. (2010). Using meta-skills to foster early literacy: Assessment. Seminar presented at the annual American Speech-Language-Hearing Association Schools Conference, July, Las Vegas.
- Masterson, J., & Apel, K. (2010). What happens in Vegas should not stay in Vegas. Closing plenary address presented to the annual American Speech-Language-Hearing Association Schools Conference, July, Las Vegas.
- Masterson, J. (2010) The speech-language-literacy connection: Theoretical foundations for practical applications. National conference on Childhood Apraxia of Speech, July, Pittsburgh.
- Masterson, J. (2010). Spelling, reading, and writing: Putting the pieces of literacy together. Weekends with the Experts, Florida Department of Education, June, St. Augustine.
- Masterson, J. (2009). The ABCs of spelling and word-level reading. Seminar presented at the annual meeting of the Vermont Speech-Language-Hearing Association, November, Burlington.
- Masterson, J. (2009). Disordered phonology: New perspectives for an old friend. Seminar presented at the annual meeting of the Oklahoma Speech-Language-Hearing Association, October, Tulsa.
- Masterson, J. (2009). The ABCs of spelling and word-level reading. Workshop presented for the Macomb County Schools, May, Macomb, MI.
- Masterson, J. (2009). Facilitating literacy and academic achievement in secondary students. Workshop presented to Region 11, February, Ft. Worth, Texas.
- Masterson, J. (2009). Facilitating spelling and reading skills in authentic contexts. Workshop presented at the Sol Adler Conference, March, Knoxville, TN.
- Masterson, J. (2009). Facilitating spelling and reading skills in authentic contexts. Workshop presented at the University of Central Arkansas Spring Conference, March, Conway, AR.
- Masterson, J., Hurtig, R., Bartlett, C., Mendel, M., Meyer, D., & Smith, L. (2008). CSDCAS: One for all: All from one. Presentation at the annual conference of the Council of Academic Programs in Communication Sciences and Disorders, April, Palm Harbor, FL.
- Masterson, J. (2008). Facilitating Spelling and Reading Skills in Authentic Contexts. Workshop presented to the Ohio Speech-Language-Hearing Association, March, Columbus.
- Masterson, J., & Apel, K. (2007). *Assessing spelling in authentic contexts*. Leading Best Practices in Language and Literacy, August, Monterey, CA.
- Apel, K., & Masterson, J. (2007). *Using spelling instruction to improve literacy outcomes*. Leading Best Practices in Language and Literacy, August, Monterey, CA.
- Masterson, J. and Masterson, C. (2007). *Word-Level Knowledge: Building a Foundation*. Hawaii Speech-Language-Hearing Association, March, Honolulu.
- Masterson, J. (2007). *Narratives, Schema Knowledge, and Reading Comprehension: Framing the House*. Hawaii Speech-Language-Hearing Association, March, Honolulu.
- Masterson, J. (2007). Word-level reading and spelling; narratives, schema, and reading comprehension. Workshop presented at the New York City School District, January, New York City.
- Masterson, J. (2006). Facilitating spelling and reading skills in authentic contexts. Seminar presented at the Nebraska Speech-Language-Hearing Association, September, Kearney.
- Bernthal, J., & Masterson, J. (2006). Disordered sound systems: New perspectives for an old friend. Seminar presented at the Nebraska Speech-Language-Hearing Association, September, Kearney.
- Masterson, J. & Apel, K. (2006). A Multilingualistic Approach to Literacy: Fitting the Puzzle Pieces Together. Seminar presented at the Florida State University Student Speech-Language-Hearing Symposium, October, Tallahassee.

Masterson, J. (2006). Using a Multilingual Perspective to Assess and Treat Spelling and Word-Level Reading. Seminar presented at the Tennessee Speech-Language-Hearing Association, September, October, Nashville.

Masterson, J. (2006). Nebraska Speech-Language-Hearing Association, September, Kearney.

Masterson, J. (2006). Reading, Writing, Spelling, and Technology. What you need to know: What you already know. University of North Dakota Spring Symposium, April, Grand Forks.

Masterson, J. (2005). *Word-Level Knowledge: Building a Foundation*. Ohio School Speech Pathology Educational Audiology Coalition Fall Conference, November, Columbus, OH.

Masterson, J. (2005). *Narratives, Schema Knowledge, and Reading Comprehension: Framing the House*. Ohio School Speech Pathology Educational Audiology Coalition Fall Conference, November, Columbus, OH.

Apel, K. & Masterson, J. (2005). *Integrating Evidence-Based Practice into the School Setting: Checks and Balances*. Belay Learning Institute, October, Olympia, WA.

Masterson, J., & Apel, K. (2005). *Narratives, Schema Knowledge, and Reading Comprehension: Getting to the Meaning of the Matter*. Belay Learning Institute, October, Olympia, WA.

Masterson, J. (2005). *Spelling: A microscope into what your students know about literacy*. Ole Miss Fall Institute in Speech and Hearing Research, September, Oxford.

Masterson, J. & Brown, D. (2005). *Helping your children develop optimal literacy skills*. Anniversary Celebration of the Speech and Reading Clinic, August, Bend, OR.

Masterson, J. & Brown, D. (2005). *Speech-language pathologists and literacy*. Anniversary Celebration of the Speech and Reading Clinic, August, Bend, OR.

Established program of research/ Impact on the field: (Encouraged)

My work is focused on literacy development and disorders. Its impact on the field is evidenced by the number of publications I have on this topic, the invited presentations that I have given both nationally and internationally, and the interviews with popular media I have done, which is why I was named a ASHA Media Champion for Fall, 2013 . (*Note: If I was really doing this, I'd address impact factors of the journals I've published in, number of cites of my work, etc., etc.*)

Grants: (Encouraged: submit 1 grant for internal or external funding)

Department of Education: Title III. (2013). *Strengthening Online Education at Missouri State University*, \$2,250,000. Score 94, Funding not available.

Department of Education: Title III. (2012). *Strengthening Online Education at Missouri State University*, \$2,000,000. Score 96, Funding not available.

National Institute of Child Health and Human Development (2011). *The Developmental Test of Reading Fluency and Spelling: Fast Track*. \$26,944, Not funded.

National Institute of Child Health and Human Development (2010). *The Developmental Test of Reading Fluency and Spelling: Phase 1*. \$29,011. Priority Score 34, Funding not available.

Missouri Department of Elementary and Secondary Education (2007). *Sound System Disorder Classification Criteria*. \$6,755, Funded.

Missouri State University, Provosts Futures Research Initiatives (2007). *Cross-Modality Attention Measures of Reading in Children from Low-Income Families: Changes Associated with Instruction and Intervention* (Co-Investigator). \$38,205 Requested, Funded \$20,000.

Missouri State University, Provosts Futures Research Initiatives (2007). *Research and Tutoring Partnership with Family Literacy Centers of Springfield, Inc.: Effects of Academic Tutoring & Life Writing for Underrepresented Students and Adults* (Co-Investigator). \$100,000 Requested, Funded \$65,000.

National Institute of Child Health and Human Development (2006). *A Multiple Factor Model for Word Level Reading and Spelling*. \$202,891, Not funded.

Missouri State University, Funding for Results (2006). *Using Literacy to Improve the Quality of Clinical Experiences* (Co-Investigator). Funded \$1900.

American Speech-Language-Hearing Association and The University of Cincinnati (2004-2006). *Innovative models for PhD education*. Funded \$34,000.