

**CURRICULUM VITAE****Darla M. Castelli, Ph.D.**

The University of Texas at Austin  
 Department of Kinesiology and Health Education  
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**EDUCATION**

- 2002 Ph.D. University of South Carolina, Physical Education Pedagogy/Instructional Technology  
 Dissertation: *A Comparison of High and Low Performing Secondary Physical Education Programs in South Carolina*. Chair: Dr. Judith Rink
- 1991 MS Northern Illinois University, Department of Physical Education; Exercise Physiology
- 1989 BS Plymouth State University, Physical Education (now Kinesiology); Minor: Psychology

**WORK EXPERIENCE**

- |              |                                            |                                           |
|--------------|--------------------------------------------|-------------------------------------------|
| 2015-present | The University of Texas at Austin          | Professor, Director Kinetic Kidz Lab      |
| 2009-2014    | The University of Texas at Austin          | Associate Professor, Graduate Advisor     |
| 2002-2009    | University of Illinois at Urbana-Champaign | Assistant/Associate Professor             |
| 1999-2002    | University of South Carolina               | Graduate Research Assistant               |
| 1998-1999    | MSAD #71, Kennebunk HS                     | Administrator                             |
| 1993-1998    | MSAD #71, Kennebunk HS                     | Health & Physical Education Teacher/Coach |
| 1991-1993    | Augusta School District, Cony HS           | Health & Physical Education Teacher/Coach |

**PROFESSIONAL AFFILIATIONS**

- American College of Sports Medicine (ACSM)  
 American Educational Research Association (AERA)  
 Society of Health and Physical Education (SHAPE America)-formerly AAHPERD  
 The International Association of Physical Education in Higher Education-Association (AIESEP)

**HONORS, RECOGNITIONS, AND OUTSTANDING ACHIEVEMENTS**

- 2022 North American Society for Health, Physical Education, Recreation, Sport, and Dance
- 2020-2021 Society of Health and Physical Educators – SHAPE Curriculum & Instruction Award
- 2020 American Educational Research Association SIG Catherine Ennis Scholar - Career Award
- 2020 Society of Health and Physical Educators – SHAPE America Scholar – Career Award
- 2017 Catherine Mae Parker Centennial Professorship in Education
- 2017 TAHPERD Scholar
- 2016 National Academy of Kinesiology - Fellow
- 2014-2015 Graduate Teaching Excellence Award
- 2014 The University of Texas at Austin Longhorn Game Changer
- 2013 The University of Texas at Austin Professor of Excellence
- 2013-2014 Dean's Faculty Fellowship Award
- 2012-2016 Joe R. & Teresa Long Endowed Faculty Fellow
- 2008 University of Illinois Teaching Excellence Award: Innovation in Undergraduate Instruction
- 2007 AAHPERD Research Consortium Fellow
- 2007 IAHPERD Past-President's Scholar Award
- 2006 AIESEP International Young Scholar Award
- 2005-2009 University of Illinois Incomplete List of Teachers Ranked Excellent by their Students
- 2003-2009 IAHPERD Student – Mentor Awards

**HONORS, RECOGNITIONS, AND OUTSTANDING ACHIEVEMENTS Continued**

- 2005 NAKPEHE Hally Beth Poindexter Young Scholar Award  
 2004 Contemporary Issues in Technology and Teacher Education (CITE) Award  
 1999 Board of Directors Special Achievement Award, M.S.A.D. #71  
 1995 Maine AAHPERD Teacher of the Year

**SCHOLARSHIP**

**Google Scholar:** <https://scholar-google-com.ezproxy.lib.utexas.edu/citations?hl=en&user=hFTtoE7IAAAAJ>

**Scholar rankings:** h index = 42; i10-index = 72; Total citations = 11,426

**Summary of scholarly work:** 120 peer reviewed publications; 4 books; 10 book chapters; 2 Institute of Medicine Reports; 5 edited monographs; 15 technical reports (5 for CDC); not included on the CV are 150 peer-reviewed published abstracts.

**Books Authored or Co-Authored**

4. Corbin, C., Sibley, B., **Castelli, D.M.**, and Le Masurier, G. (2021). *Fitness for Life – Online Teacher’s Edition*. Champaign, IL: Human Kinetics.
3. Corbin, C., **Castelli, D.M.**, Sibley, B., and Le Masurier, G. (2021). *Fitness for Life, 7<sup>th</sup> Edition*. Champaign, IL: Human Kinetics.
2. **Castelli, D.M.**, & Fiorentino, L. (2008). *Technology Playbook: A Systematic Plan for Integration*. Champaign, IL: Human Kinetics.
1. Lynn, S., **Castelli, D.**, Cone, S., & Werner, P. (2007). *Physical Education Professional Development Seminar*. Champaign, IL: Human Kinetics.

**Chapters in Books (underlined and the last author represents senior author on student work)**

10. **Castelli, D.M.**, Hillman, C.H., Raine, L., Drollette, E.S. (2020). Ten Years Later: What We Learned About After-school Programming from the Fitness Improves Thinking in Kids (FITKids) Clinical Trial. In Marttinen R., Centeio E.E., & Quarmby T. (Eds.) *Approaches to Before and After School Physical Activity Programs*. Abingdon, United Kingdom: Routledge
9. Baker, B., & **Castelli, D. M.** (2019). Physical Activity and Sedentary Behavior Influences on Executive Function in Daily Living. In *Neuroergonomics: Principles and Practice*. Springer, Berlin, Germany.
8. Bryant, L., & **Castelli, D.M.** (2019). Physical Education. In *Encyclopedia of Child and Adolescent Development*.
7. Phelps, A., Jung, Y., & **Castelli, D. M.** (2019). Multicomponent optimization strategy and CSPAP implementation. In Carson, R. & Webster, C.A. (Eds.). *Comprehensive School Physical Activity Programs: Putting Evidence-Based Research Into Practice*. Champaign, IL: Human Kinetics Publishers.
6. Cosgrove, J.M., **Castelli, D.M.**, & Hughes, J. E. (2018). Teaching and learning with technology in physical education. In Roblyer and J. Hughes (Eds.), *Integrating Educational Technology into Teaching*. Pearson Higher Education.
5. Hillman, C. H. & **Castelli, D. M.** (2016). Future directions: Rigorous research design and authentic application of neuroscience. In R. Bailey, R. Meeusen, S. Schaefer, & P. Tomporowski Curriculum Vitae, C.H. Hillman (Eds.), *Physical Activity and Educational Achievement: Insights from Exercise Neuroscience*.
4. **Castelli, D.M.**, Bryant, L.J., Glowacki, E.M., McGlone, M.S., & Barcelona, J. (2016). Lynne: Persuading teens to reduce health risk through healthy messaging. *Digital Technologies and Learning in Physical Education: Pedagogical Cases*, 137-153.
3. **Castelli, D.M.**, & Keating, X. (2012). Virtually enhancing your physical education teaching. In *Learning for a Lifetime: Effective Secondary Physical Education Programs*. Beijing: China’s High Education Publisher.

2. **Castelli, D.M.**, & Hillman, C.H. (2012). Physical activity, cognition, and school performance: From neurons to neighborhoods. In A. Meyer & T. Gullotta (Eds.), *Physical Activity as Intervention: Application to Depression, Obesity, Drug Use, and Beyond*. NY: Springer. Sponsored by the National Institute on Drug Abuse. doi: 10.1007/978-1-4614-3606-5\_3
1. **Castelli, D.M.** (2010). Physical Activity and Cognitive Benefits. In Ainsworth, B., Godbey, G. and Payne, L. (Eds.), *Leisure, Health, and Wellness: Making the Connections*. College Station, PA: Venture Publishing.

### **Edited Monographs/Special Features**

5. **Castelli, D.M.** (2021). Evidence of the essential components of physical education. *Research Quarterly for Exercise and Sport*, 92(2).
4. Kulinna, P.H., Carson, R.L., & **Castelli, D.M.** (Eds.) (2017). Physical education teacher education programs creating teacher leaders to integrate comprehensive school physical activity programs. *Journal of Physical Education, Recreation and Dance*, 88(1), 8-10. doi.org/10.1080/07303084.2017.1250497
3. Carson, R.L., **Castelli, D.M.**, & Kulinna, P.H. (Eds.) (October 2014). Evidence-based, comprehensive school physical activity programs (CSPAP): Professional development, teacher education, and student physical activity. *Journal of Teaching in Physical Education*, 33(4).
2. Graber, K.C., Woods, A.M., & **Castelli, D.M.** (Eds.) (2007). An examination of the relationships between and among motor competence, physical fitness, and participation in physical activity: Do children meet the standards? *Journal of Teaching in Physical Education*, 26, 404-425.
1. **Castelli, D.M.** (Ed.) (2005). Technology integration, virtually possible. *Teaching Elementary Physical Education*, 16(4), 6-7. Invited editor for special technology feature.

### **National Academies Reports and Research Briefs**

3. **Castelli, D.M.**, Glowacki, E.M., Barcelona, J.M., Calvert, H.G., & Hwang, J. (2014). *Physical Activity and Academic Performance*. Published by Active Living Research [ALR], [invited].
2. Institute of Medicine [IOM], *Educating the Student Body: Taking Physical Activity and Physical Education to School* (May 2013). Washington, DC. [Contributing author].
1. Institute of Medicine [IOM], *Fitness Measures and Health Outcomes in Youth* (August 2012). Washington, DC. [Contributing author].

### **Articles in Journals (All publications in this section were peer-reviewed; underlined and the last author represents senior author on student work)**

114. Koeppe, A (revise and resubmit). Preschoolers' Executive Functions Following Indoor and Outdoor Free Play. *Trends in Neuroscience and Education*.
113. Koeppe, A., Gershoff, E. T., **Castelli, D. M.**, Bryan, A. E. (in press). Measuring children's behavioral regulation in the pre-school classroom: An objective, sensor-based approach. *Developmental Science*.
112. **Castelli, D.M.**, Welk, G., Brusseau, T., & McMullen, J. (2022). SWITCH-ing quality physical education to multicomponent Comprehensive School Physical Activity Programs, *Journal of Physical Education, Recreation, and Dance*.
111. Fritz, C., Burson, S., Lee, G, Julien, C., **Castelli, D.**, Payton, J., & Ramsey, C. (2021). Project moveSMART: Integrating physical activity and computer science learning in elementary school classrooms. In *Proceedings of ACM Conference (Conference '17)*. ACM, New York, USA.
110. Wu, C., Fritiz, H., Craddock, C., Kinney, K., **Castelli, D.M.**, Schnyer, D. M. (2021). Exploring COVID-19 outbreak intradaily mobility pattern change in college students: A GPS-focused smartphone sensing study. *Frontiers in Digital Health*, 169.

109. Wu, C. Fritz, H., Bastami, S., Maestre, J.P., Thomaz, E., Julien, C., **Castelli, D.M.**, de Barbaro, K., e Bearman, S.K., Harari, G.M., Craddock, R.C., Kinney, K.A., Gosling, S.D., Schnyer, D.M., Nagy, Z. (2021). Multi-modal data collection for measuring health, behavior, and living environment of large-scale participant cohorts, *GigaScience*, 10(6), giab044, <https://doi.org/10.1093/gigascience/giab044>
108. Jung, Y., Burson, S.L., Julien, C., Bray, D.F., & **Castelli, D.M.** (2021). Development of a school-based physical activity intervention using an integrated approach: Project SMART. *Frontiers of Health Psychology*, 3408.
107. Moore, J. B., Weaver, R. G., Levine, B. J., Singletary, C. R., Carson, R. L., Beets, M. W., ... & Pate, R. R. (2021). A Pilot Study of a Comprehensive School Physical Activity Program in Elementary Schools: Be a Champion!. *Health Behavior and Policy Review*, 8(2), 110-118.
106. Chen, Y.T., Holahan, C.K., **Castelli, D.M.** (2021). Sedentary behaviors, sleep, and health-related quality of life in middle-aged adults. *American Journal of Health Behavior*, 26, 45(4),785-797. doi: 10.5993/AJHB.45.4.16. PMID: 34340744.
105. Chaddock-Heyman, L., Weng, T. B., Loui, P., Kienzler, C., Weissshappel, R., Drollette, E. S., ... & Kramer, A. F. (2021). Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. *Psychophysiology*, e13890.
104. Kim, J., & **Castelli, D.M.** (2021). Effects of gamification on behavioral change in education: A meta-analysis. *International Journal of Environmental Research and Public Health*, 18(7), 3550.
103. **Castelli, D.M.**, & Sales Mitchell, L. (2021). Chapter 7: Selective integration: Roles for public health, kinesiology, and physical education. *Journal of Teaching in Physical Education.*, 1, 1-10. <https://doi.org/10.1123/jtpe.2020-0245>.
102. **Castelli, D.M.** (2021). Evidence of the essential components: Modeling transdisciplinary team science to improve physical education. *Research Quarterly for Exercise and Sport*, 92(2), 199-201.
101. Bryant, L., Burson, S. L., Fisher, J., Killian, C. M., Mulhearn, S. C., Nesbitt, D., ... & **Castelli, D. M.** (2021). Evidence Supporting the Essential Components of Physical Education as a Measure of Quality. *Research Quarterly for Exercise and Sport*, 92(2), 259-269.
100. Burson, S. L., Mulhearn, S. C., **Castelli, D.M.**, & van der Mars, H. (2021). Essential components of physical education: Policy and environment. *Research Quarterly for Exercise and Sport*, 92(2), 209-221.
99. Barcelona, J. M., **Castelli, D. M.**, Cance, J. D., Barnes, S. P., & Lee, S. (2021). Presidential Youth Fitness Program implementation: An antecedent to organizational change. *Evaluation and Program Planning*, 86, 101919.
98. Jung, Y., Dingwell, J.B., Baker, B., Chopra, P., **Castelli, D.M.** (2020). Cross-sectional study using virtual reality to measure cognition. *Frontiers in Sport and Active Living*.2:543676.doi: 10.3389/fspor.2020.543676
97. Logan, N. E., Raine, L. B., Drollette, E. S., **Castelli, D. M.**, Khan, N. A., Kramer, A. F., & Hillman, C. H. (2020). The differential relationship of an afterschool physical activity intervention on brain function and cognition in children with obesity and their normal weight peers. *Pediatric Obesity*, 16(2), e12708.
96. Hsieh, S. S., Chueh, T. Y., Morris, T. P., Kao, S. C., Westfall, D. R., Raine, L. B., ... & Hillman, C. H. (2020). Greater childhood cardiorespiratory fitness is associated with better top-down cognitive control: A midfrontal theta oscillation study. *Psychophysiology*, 57(12), e13678.
95. Kuhn, A. P., Carson, R. L., Beighle, A., & **Castelli, D. M.** (2020). Changes in psychosocial perspectives among physical activity leaders: Teacher efficacy, work engagement, and affective commitment. *Journal of Teaching in Physical Education*, 1, 1-9.
94. Carson, R.L., Pulling Kuhn, A.C., Moore, J.B., **Castelli, D.M.**, Beighle, A., Hodgins, K.L., & Daunenbauer, B. (2020). Implementation evaluation of a professional development for leaders of Comprehensive School Physical Activity Programs. *Preventive Medicine Reports*. 101109.

93. Julien, C., **Castelli, D.**, Bray, D., Lee, S., Burson, S., & Jung, Y. (2020). Project SMART: A cooperative educational game to increase physical activity in elementary schools. *Smart Health*, 100163.
92. Scott-Andrews, K.Q., Cosgrove, J.M., Robinson, L.E., & **Castelli, D.M.** (2020). Improving adolescent health: A comparison of 2 afterschool programs. *Health Behaviors and Policy Review*, 7(2), 92-101-110.
91. Chaddock-Heyman, L., Weng, T. B., Kienzler, C., Weissshappel, R., Drollette, E. S., Raine, L. B., ... & Kramer, A. F. (2020). Brain network modularity predicts improvements in cognitive and scholastic performance in children involved in a physical activity intervention. *Frontiers in Human Neuroscience*, 14, 346.
90. **Castelli, D.M.**, Barcelona, J.M., Crim, B., & Burson, S. L. (2020). The importance of providing opportunities for health behaviors during the school day. *Building Future Health and Well-Being of Thriving Toddlers and Young Children* M. B., A. S., & C. H. Editors). Nestle Nutrition Institution Workshop Series. Volume 95.
89. Kirkham-King, M., Brusseau, T.A., **Castelli, D.M.**, Hilton, K., Hannon, J. C. (2020). Effects goal setting has on children's cardiorespiratory fitness levels and enjoyment. *International Journal of Physical Education*, 3.
88. Beddoes, Z, Barcelona, J., & **Castelli, D.M.** (2020). Acute physical activity and cognitive performance among elementary school children. *Translational Journal of ACSM*, 5(3), 21-28.
87. Chen, Y., Barcelona, J., Cance, J.D., Calvert, H., Pitt Barnes, S., Wargo, J., **Castelli, D.M.** (2020). Development of the Fitness Education Index: A scale of organizational level capacity. *Research Quarterly for Exercise and Sport*. doi:10.1080/02701367.2019.1654066.
86. Rutberg, S., Nyberg, L., Castelli, D., & Lindqvist, A. K. (2020). Grit as perseverance in physical activity participation. *International Journal of Environmental Research and Public Health*, 17(3), 807.
85. **Castelli, D.M.** (2019). Motor performance or opportunities to move? What do children need the most? *Journal of Sport and Health Science*, 8(2), 149.
84. Lindqvist, A. K., **Castelli, D.**, Hallberg, J., & Rutberg, S. (2018). The praise and price of Pokémon GO: A qualitative study of children's and parents' experiences. *JMIR serious games*, 6(1), e8979.
83. Chaddock-Heyman, L., Erickson, E. I., Kienzler, C., Drollette, E. S., Raine, L. B., Kao, S. C., Bensken, J., Weissshappel, R., **Castelli, D.M.**, Hillman, C. H., Kramer, A. F. (2018). Physical activity increases white matter microstructure in children. *Frontiers in Neuroscience*. <https://doi.org/10.3389/fnins.2018.00950>
82. Chopra, P., Dingwell, J., & **Castelli, D.M.** (2018). Cognitively demanding object negotiation while walking and texting. *Scientific Reports*, 8.
81. Cosgrove, J. M., & **Castelli, D. M.** (2018). Physical activity & academic performance among adolescents in low SES schools. *American Journal of Health Education*, 49(6), 1-7. doi: 10.1080/19325037.2018.1516167
80. **Castelli, D.M.**, & van der Mars, H. (2018). Moving forward: A research agenda for SHAPE America. *Research Quarterly for Exercise and Sport*, 89(3), pp.282-285.
79. **Castelli, D.M.**, & Chen, A. (2018). Large-scale physical education interventions: Past, present, and future. *Kinesiology Review*, 7(3), 259-265. doi: 10.1123/kr.2018-0021.
78. Phelps, A., Calvert, H., Hwang, J., Glowacki, E., Carson, R., & **Castelli, D.M.** (2018). Environmental characteristics related to Comprehensive School Physical Activity Program implementation. *European Journal of Environment and Public Health*, 2(2), 07.
78. Hwang, J., Kim, K., Brothers, R. M., **Castelli, D. M.**, & Gonzalez-Lima, F. (2018). Association between aerobic fitness and cerebrovascular function with neurocognitive functions in healthy, young adults. *Experimental Brain Research*, 236(5), 1421-1430.
77. Cosgrove, J.M., Chen, Y.T., & **Castelli, D.M.** (2018). Physical fitness, grit, school attendance, and academic performance among adolescents. *BioMed Research International*, 2018. doi: <https://doi.org/10.1155/2018/9801258>
77. **Castelli, D.M.** (2018). Value of research in contemporary education. *Research Quarterly for Exercise and Sport*, 89, 1. ISSN: 0270-1367. [Invited preface].



76. Kirkham-King, M., Brusseau, T. A., Hannon, J. C., **Castelli, D. M.**, Hilton, K., & Burns, R. D. (2017). Elementary physical education: A focus on fitness activities and smaller class sizes are associated with higher levels of physical activity. *Preventive Medicine Reports*, 8, 135-139.
75. Moore, J.B., Carson, R.L., Webster, C.A., Singletary, C.R., **Castelli, D.M.**, Pate, R.R., Beets, M.W., Beighle, A. (2017) The application of an implementation science framework to comprehensive school physical activity programs: Be a Champion! *Frontiers in Public Health*, 5.
74. Marshall, T., Champagne-Langabeer, T., **Castelli, D.M.**, & Hoelscher, D. (2017). Cognitive computing and eScience in health and life science research: Artificial intelligence and obesity intervention programs. *Health Information Systems*, 5(13). doi.org/10.1007/s13755-017-0030-0
73. Drollette, E. S., Pontifex, M. B., Raine, L. B., Scudder, M. R., Moore, R. D., Kao, S. C., ... & Khan, N. A. (2018). Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. *Psychophysiology*, 55(3), e13017.
72. **Castelli, D.M.**, Carson, R. L., & Kulinna, P.H. (2017). PETE programs creating teacher leaders to integrate comprehensive school physical activity programs. *Journal of Physical Education, Recreation, & Dance*. doi: <http://dx.doi.org.ezproxy.lib.utexas.edu/10.1080/07303084.2017.1250497>.
71. Hwang, J., **Castelli, D.M.**, & Gonzalez-Lima, F. (2017). The positive cognitive impact of aerobic fitness is associated with peripheral inflammatory and brain-derived biomarkers in young adults. *Physiology & Behavior*, 179, 75-89.
70. Centeio, E.E., Cance, J.D., Barcelona, J.M., Calvert, H. G., & **Castelli, D.M.** (2018). Relationship between health risk and school attendance among adolescents. *American Journal of Health Education*, 49(1), 28-32.
69. Carson, R., **Castelli, D.**, & Kulinna, P.H. (2017). CSPAP professional preparation: Takeaways from pioneering physical education teacher education programs. *Journal of Health, Physical Education, Recreation, and Dance*, 88(1), 43-51. Can be retrieved from <http://dx.doi.org.ezproxy.lib.utexas.edu/10.1080/07303084.2017.1260986>
68. Hwang, J., Brothers, R. M., **Castelli, D.M.**, Glowacki, E. M., Chen, Y.T., Salinas, M.M., Kim, J., Jung, Y., & Calvert, H. (2016). Acute high-intensity exercise-induced cognitive enhancement and brain-derived neurotrophic factor in young, healthy adults. *Neuroscience Letters*, 630(6), 247-253. doi: 10.1016/j.neulet.2016.07.033
67. Hwang, J., **Castelli, D.M.**, & Gonzalez-Lima, F. (2016). Cognitive enhancement by transcranial laser stimulation and acute aerobic exercise. *Lasers in Medical Science*, 31(6), 1151-1160. doi: 10.1007/s10103-016-1962-3.
66. Donnelly, J.E., Hillman, C.H., **Castelli, D.**, Etnier, J.L., Lee, S., Tomporowski, P., Lambourne, K., Szabo-Reed, A. N. (2016). Physical activity, fitness, cognitive function, and academic achievement in children: A systematic review. *Medicine & Science in Sports & Exercise*, 48(6), 969-1225.
65. Cooper, K., Greenberg, J., **Castelli, D.**, Barton, M., Martin, S.B. & Morrow, J.R. (2016). Implementing policies to enhance physical education and physical activity in schools. *Research Quarterly for Exercise & Sport*, 87(2), 133-140. doi: 10.1080/02701367.2016.1164009.
64. Chapman-Novakofski, K., Muzaffar, H., **Castelli, D.M.**, Sherer, J. (2016). Health website's games and features evaluation by middle schoolers. *International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)*, 11(3), 27-38. doi: 0.4018/IJWLTT.2016070102.
63. Beddoes, Z., & **Castelli, D.M.** (2017). *Comprehensive school physical activity programs in middle schools*. *Journal of Physical Education, Recreation and Dance*, 88(6), 26-32.
62. Glowacki, E.M., Centeio, E.E., Van Dongen, D.J., Carson, R.L., & **Castelli, D.M.** (June 2016). Health promotion efforts as predictors of opportunities for physical activity: An application of the diffusion of innovations model. *Journal of School Health*, 86(6), 399-406.
61. Phillips, D., Hannon, J., & **Castelli, D.M.** (2015). Effects of vigorous intensity physical activity on mathematics test performance. *Journal of Teaching in Physical Education*, 34, 346-362.

60. **Castelli, D.M.**, Barcelona, J. M., & Bryant, L. (2015). Contextualizing physical literacy in the school environment: The challenges. *Journal of Sport and Health Science*, 4, 1-7. doi:10.1016/j.ishs.2015.04.003.
59. Hillman, C. H., Pontifex, M., **Castelli, D.M.**, Khan, N., Raine, L., Scudder, M., Drollette, E. Moore, R., Wu, C-T., & Kamijo, K. (2014). The effects of a FITKids randomized controlled trial on executive control and brain function. *Pediatrics*, 134(4), e1063-e1071. doi:10.1542/peds.2013-3219.
58. Muzaffar, H., **Castelli, D.M.**, Sherer, J., Chapman-Novakofski, K. (2014). The impact of healthy outcomes for teens (HOT Project): A randomized control trial. *Diabetes Technology & Therapeutics*, 16(12), 846-852. doi:10.1089/dia.2014.0073
57. Carson, R. L., **Castelli, D. M.**, Pulling Kuhn, A. C., Moore, J. B., Beets, M.W., Beighle, A., Ajja, R., Calvert, H. G., & Glowacki, E. M. (2014). Impact of trained champions of comprehensive school physical activity programs on school physical activity offerings, youth physical activity and sedentary behaviors. *Preventive Medicine*, 69, S12-S19.
56. **Castelli, D.M.**, Carson, R.L., & Kulinna, P.H. (2014). Comprehensive school physical activity programs. *Journal of Teaching in Physical Education*, 33(4), 435-439. doi: 10.1123/jtpe.2014-0193
55. Centeio, E.E., Erwin, H., & **Castelli, D.M.** (2014). Comprehensive School Physical Activity Programs (CSPAP): Characteristics of trained teachers. *Journal of Teaching in Physical Education*, 33(4), 492-510.
54. Pontifex, M.B., Kamijo, K., Scudder, M.R., Raine, L.B., Khan, N.A., Hemrick, B., Evans, E.M., **Castelli, D.M.**, Frank, K.A., & Hillman, C.H. (2014). The differential association of adiposity and fitness with cognitive control in preadolescent children. *Society for Research in Child Development – Monograph*, 79(4), 72-92.
53. **Castelli, D. M.**, Centeio, E. E., Hwang, J., Barcelona, J. M., Glowacki, E. M., Calvert, H. G., & Nicksic, H. M. (2014). VII. The history of physical activity and academic performance research: informing the future. *Monographs of the Society for Research in Child Development*, 79(4), 119-148.
52. Khan, N., Raine, L., Drollette, E., Scudder, M., Pontifex, M., **Castelli, D.**, Donovan, S., Evans, E., & Hillman, C.H. (2014). Impact of the FITKids physical activity intervention on adiposity in prepubertal children. *Pediatrics*, 133(4), e875-e883. doi: 10.1542/peds.2013-2246
51. **Castelli, D.M.**, Centeio, E.E. Beighle, A., Carson, R.L., & Nicksic, H. (2014). Physical literacy and comprehensive school physical activity programs. *Preventive Medicine*, 66, 95-100.
50. Carson, R., **Castelli, D.M.**, Beighle, A., & Erwin, H. (2014). School-based physical activity promotion: A conceptual framework for research and practice. *Childhood Obesity*, 10(2), 100-106. doi: 10.1089/chi.2013.0134
49. Muzaffar, H., Chapman-Novakofski, K., **Castelli, D.M.**, & Sherer, J. (2014). The HOT (Healthy Outcomes for Teens) project. Using a web-based medium to influence attitude, subjective norm, perceived behavioral control and intention for obesity and type 2 diabetes prevention. *Appetite*, 72, 82-89.
48. **Castelli, D.M.**, Brothers, R.M., Hwang, J., Nicksic, H.M., Glowacki, E., Harrison, M., & Van Dongen, D. (2013). Health indices and cognitive performance in emerging adults. *Journal of Novel Physiotherapies*, 4, 189. doi: 10.4172/2165-7025.1000189
47. Erwin, H.E., Beighle, A., Carson, R.L., & **Castelli, D.M.** (2013). Comprehensive school-based physical activity promotion: A review. *Quest*, 65(4), 412-428. doi: 10.1080/00336297.2013.791872
46. **Castelli, D.M.**, Centeio, E.E., & Nicksic, H.M. (2013). Preparing educators to promote and provide physical activity in schools. *American Journal of Lifestyle Medicine*, 7(5), 324-332.
45. Chaddock, L., Erickson, K.I., Voss, M.W., Kencht, A.M., Pontifex, M.B., **Castelli, D.M.**, Hillman, C.H., & Kramer, A. (March 2013). The effects of physical activity on functional MRI activation associated with cognitive control in children: A randomized controlled intervention. *Frontiers in Human Neuroscience*, 7(72). PMID: PMC3594762

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20. **Castelli, D.M.**, & Valley, J.A. (October 2007). Motor competence, physical activity, and fitness: What do children look like? *Journal of Teaching in Physical Education*, 26(4), 358-374.
19. Graber, K.C., Woods, A.M., & **Castelli, D.M.** (October 2007). Setting the stage: Research into the accountability of the NASPE national standards. *Journal of Teaching in Physical Education*, 26(4), 338-349.
18. Graber, K.C., Woods, A.M., & **Castelli, D.M.** (October 2007). Motor competence, physical fitness, and participation in physical activity: Do children meet the standards? *Journal of Teaching in Physical Education*, 26(4), 337.
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16. **Castelli, D.M.**, Hillman, C.H., Buck, S.E., & Erwin, H.E. (April 2007). Physical fitness and academic achievement in 3<sup>rd</sup> and 5<sup>th</sup> grade students. *Journal of Sport & Exercise Psychology*, 29(2), 239-252. PMID: 17568069
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14. **Castelli, D.M.** (January 2007). Physical activity, fitness, and cognitive processes in school-aged children. *Thresholds in Education*, 33(1), 17-24. [Invited].
13. **Castelli, D.M.**, & Williams, L. (January 2007). Health-related fitness and physical education teachers' content knowledge. *Journal of Teaching in Physical Education*, 26, 3-19.
12. **Castelli, D.M.** (2006). Using inquiry to create tech-savvy teachers. *The Chronicle of Kinesiology and Physical Education in Higher Education*, 17(1), 8-9.
11. Hillman, C.H., **Castelli, D.**, & Buck, S.M. (November 2005). Aerobic fitness and cognitive function in healthy preadolescent children. *Medicine & Science in Sports & Exercise*, 37(11), 1967-1974. PMID: 16286868
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9. **Castelli, D.M.** (2005). Technology integration, virtually possible. *Teaching Elementary Physical Education*, 16(4), 6-7.

8. Fiorentino, L.H., & **Castelli, D.M.** (2005). Creating a virtual gymnasium: Providing an opportunity for perfect practice. *Journal of Physical Education, Recreation, and Dance*, 76(4), 16-18.
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6. **Castelli, D.**, & Rink, J.E. (2003). A comparison of high and low performing secondary physical education programs in South Carolina. *Journal of Teaching in Physical Education*, 22, 512-532.
5. Mitchell, M., **Castelli, D.**, & Strainer, S. (2003). Student performance in physical education. *Journal of Teaching in Physical Education*, 22, 494-511.
4. **Castelli, D.**, & Dawkins, M. (2002). Initiate, deliberate, investigate: The process of inquiry in middle school golf assessment. *Teaching Elementary Physical Education*, 13(5), 22-27.
3. **Castelli, D.**, & Giles-Brown, L. (2001). Making connections. *Teaching Elementary Physical Education*, 12(6), 11-12.
2. **Castelli, D.** (2001). Handheld technology is making change a little easier. *Teaching Elementary Physical Education*, 12(4), 22-23.
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### **Bulletins, Technical Reports, or Conference Proceedings**

15. **Castelli, D.M.**, Cance, J.D., Barnes, S.P., Wargo, J., Bartholomew, J., Barcelona, J., Bryant, L., Calvert, H., Hwang, J., Worrell, M., & Chen, Y. (2016). *Presidential Youth Fitness Program Evaluation Report: 2013-2016*. Process evaluation of the Presidential Youth Fitness Program. Atlanta, GA: Centers for Disease Control and Prevention.
14. **Castelli, D.M.**, Cance, J.D., Barnes, S.P., Wargo, J., Bartholomew, J., Barcelona, J., Bryant, L., Calvert, H., Hwang, J., Worrell, M., & Chen, Y. (2016). *Presidential Youth Fitness Program Evaluation Report: Year 2*. Process evaluation of the Presidential Youth Fitness Program. Atlanta, GA: Centers for Disease Control and Prevention.
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12. Centeio, E.E., & **Castelli, D.M.** (2012). Reaching the tipping point: Incidences of support and resistance to curricular change among secondary physical education teachers. Special Interest Group: Research on Learning and Instruction in Physical Education 2010, Conference Proceedings-American Educational Research Association. Vancouver, CANADA.
11. Centeio, E.E., & **Castelli, D.M.** (2011). Curricular and behavior change in physical education. Special Interest Group: Research on Learning and Instruction in Physical Education 2010, Conference Proceedings-American Educational Research Association. New Orleans, LA.
10. **Castelli, D.M.**, Woods, A., Lambdin, D., Hall, T., & Webster, C. (2010). *Guidelines for an Introductory Undergraduate Course in Physical Education Teacher Education*. Reston, VA: National Association for Sport and Physical Education.
9. **Castelli, D.M.**, Erwin, H.E., Graber, K., Woods, A.M., & Zhu, W. (2007) A national profile of teacher education faculty: The construction of an online survey. In P. Xiang (Ed.), Special Interest Group: Research on Learning and Instruction in Physical Education 2007 Conference Proceedings-American Educational Research Association. College Station, TX: Texas A & M University.
8. Erwin, H.E., & **Castelli, D.M.** (2007). The national physical education standards: A summary of student performance and relationships. *American Educational Research Association*. In P. Xiang (Ed.), Special Interest Group: Research on Learning and Instruction in Physical Education 2007 Conference Proceedings-American Educational Research Association. College Station, TX: Texas A & M University.

7. **Castelli, D.M.**, Evans, E., & Mistic, M. (2006). Facilitating inquiry using technology and teams in exercise physiology: The FITT project. *International Conference on Learning Sciences*. In S. Barb, K. Hay, & D. Hickey (Eds.), *The International Conference for Learning Sciences 2006 Conference Proceedings*. Bloomington, IN: Indiana University.
6. **Castelli, D.M.**, & Fiorentino, L. (2006). Technology integration in higher education, physical education. *Internationale des Écoles Supérieures d'Éducation Physique (AIESEP) International Young Scholar Award presentation*, Jyvaskyla, Finland.
5. **Castelli, D. M.** (2006). Motor skill competency and cognitive processes in children. *Internationale des Écoles Supérieures d'Éducation Physique (AIESEP) International Young Scholar Award presentation*, Jyvaskyla, Finland.
4. **Castelli, D.** (2006). Executive control: The common denominator in a collaborating force. San Diego, CA: National Association for Kinesiology and Physical Education in Higher Education conference proceedings.
3. **Castelli, D.** (2005) Are the national standards achievable? Published as conference proceedings from the Works in Progress Conference. Urbana, IL: University of Illinois at Urbana-Champaign.
2. **Castelli, D.M.**, & Williams, L. (2004). Health-Related Fitness and Physical Education Teachers' Content Knowledge. Clearwater, FL: National Association for Physical Education in Higher Education conference proceedings.
1. **Castelli, D.M.**, & Singer, J. (2002). Key events: Focusing upon the relationship between facilitator and teacher in the construction and enactment of technology-rich inquiry projects. *American Educational Research Association*.

### **Peer-Reviewed Published Abstracts (\*110 peer-reviewed and published abstracts – not displayed)**

### **GRANTS**

**Summary of Funding:** 25 funded research projects as a PI and Co-I. Developed and implemented five physical activity interventions for randomized controlled trials.

**Funding Sources:** National Institutes of Health; National Science Foundation; Robert Wood Johnson Foundation; Centers for Disease Control and Prevention; United States Department of Education, and Institute of Education Science.

### **Grants received**

25. NSF, Julien, C. (PI), **Castelli, D.M.** (Co-PI). *Collaborative Research: An Equity-Focused Approach to Integrating Physical Activity and CS Education for K-8 Learners*. \$255,000.
24. UT Austin Bridging Barriers Initiative – **Castelli, D.M.**, Barczyk, A., Bearman, S., Champagne, F., Kinney, K., Lawson, K., Mackert, M., Rodriguez, L., Maslowsky, J., Nagy, Z., Schnyer, D. (Co-PIs). UT VPR 01/2018-2028. Whole Communities, Whole Health: Bringing science home is our grand challenge. A ten-year initiative with an estimated total budget of 10,000,000.
23. UT Austin College of Education. Small Grant. **Castelli, D. M.** (PI). UT COE 2018-01-15 to 2019-12-1. *Learning Task Complexity, Physical Activity, and Cerebral Blood Flow*, \$10,000 (2018-2020)
22. NIH R21, National Institute of Aging, Dingwell, J (PI), **Castelli, D.M.** (Co-I). *Negotiating Competing Task Goals While Walking in Young and Older Adults*, \$237,450 (1-R21-AG053470, funded September 1, 2017).
21. Dairy Max, Bartholomew (PI), **Castelli, D.M.** (Co-PI). *Benefits of Chocolate Milk Consumption in High School Athletes*, \$80,000 (funded June 1, 2016 – June 1, 2017).
20. Centers for Disease Control & Prevention and General Mills Foundation. Presidential Youth Fitness Program Evaluation Proposal. **Castelli, D.M.** (PI), Cance, J. (Co-PI), & Bartholomew, J. (Co-I). *Process and Outcome Evaluation of the Presidential Youth Fitness Program*. \$688,000 (funded April 2013).

19. National Association for Sport & Physical Education. Carson, R.L. (PI), Beighle, A (Co-PI), & **Castelli, D.M.** (Co-PI). *A One-Year Study of CSPAP Implementation by Two Cohorts of Certified Directors of Physical Activity*, \$30,000. (funded January 2012).
18. NIH R01, National Institute of Child Health and Human Development, Kramer, A (PI), Cohen, N. (Co-I), Hillman, C. H. (Co-I) & **Castelli, D.M.** (Consultant): *The Effects of a Single Bout of Exercise on Brain, Cognition, and Scholastic Achievement*, \$1,949,589 (R01HD069381, funded January 2012).
17. Robert Wood Johnson Foundation. Active Living Research: Building Evidence to Prevent Childhood Obesity. Carson, R. L. (PI) & **Castelli, D.M.** (Co-PI). *Building the Next Generation of Active Youth through Directors of Comprehensive School Physical Activity Programs*, \$150,000 (funded January 2012).
16. Illinois Association for Health, Physical Education, Recreation, and Dance Jump Rope for Heart Research Grant, **Castelli, D.M.**, (PI). *MP3 for a Healthy Me: Podcasting Healthy Messages for Teens*, \$5044 (funded 2008-2011).
15. NIH R01, National Institute of Child Health and Human Development. Hillman, C., **Castelli, D.**, (Co-I), Motl, R. *ERPs to Academics: Exercise Effects on Cognition in School-aged Children*, (HD055352), \$1,355,107 (funded, Sept. 2008-2012).
14. University of Illinois at Urbana-Champaign Research Board. **Castelli, D.M.**, (PI), Evans, E.E., Arngrímsson, S., & Valentine, R. *The Relative Impact of Physical Activity, Cardiorespiratory Fitness, and Adiposity on Inflammation and Cognition in Children*, \$19,745 (funded 2007-2009).
13. American Dietetic Association Foundation Innovative Technology Applications for Lifestyle Counseling for Adolescents with Type II Diabetes to Promote Independence in Self-Care. Chapman-Novakofski, K., **Castelli, D.M.** (Co-I), Evans, E.E., & Sherer, J., *The HOT project: Healthy Outcomes for Teens*, \$59,370 (funded, 2007-2008).
12. U.S. Department of Education, Carol M. White Physical Education for Progress (PEP) Grant. Bradley-Bourbonnais Community High School and **Castelli, D.M.** (Co-PI) *Active + Healthy = Forever Fit*, \$488,872.00 (funded 2007-2010).
11. University of Illinois at Urbana-Champaign Research Board. Woods, A. M., Ruseski, J., Graber, K. C., Sionean, C., & **Castelli, D.** (Co-I). *Policy, Reform and Sustainable Change in Physical Education*, \$5,320 (funded 2006-2007).
10. U.S. Department of Education Carol M. White Physical Education for Progress (PEP) Grant. Rantoul City Schools and **Castelli, D.M.** (Co-PI), *Fitness 4 Everyone*, \$219,351 (funded 2004-2007).
9. Illinois Association for Health, Physical Education, Recreation, and Dance. **Castelli, D.M.** (PI), *Physical Education Technology Integration Promoting Standards (PE TIPS)*, \$5,000 (funded 2003-2004).
8. University of Illinois at Urbana-Champaign Research Board. **Castelli, D.M.**, (PI) & Hillman, C., *Cognitive Processes and Physical Activity in Children*, \$6,000 (funded October 2003-2004).
7. TALENT instructional mini grant, Preparing Tomorrow's Teachers to Use Technology (PT3). **Castelli, D.M.**, (PI) & Graber, K. *Virtual Coaching in Secondary Physical Education*, \$6,000 (funded 2003-2004).
6. Provost's Initiative on Teaching Advancement (PITA). Evans, E., & **Castelli, D.M.** (Co-PI), *Can a Web-Supported Inquiry-Based Learning Model and Teacher Development Alter Acquisition of Applied Physiology Knowledge?*, \$5,705 (funded 2003-2005).
5. University of Illinois at Urbana-Champaign Research Board. **Castelli, D.M.** (PI), *A Comparison of Preservice Teachers' Perceived Ability, Comfort, and Attitude Toward Application of Technology in Physical Education*, \$11,760 (funded 2003-2004).
4. The Bell South Instructional Innovations Grant. **Castelli, D.** (Co-PI) & Vadocz, E. A. *Linking Faculty, Preservice and Inservice Physical Education Teachers*, \$5,000 (funded 2001-2002).
3. Provost Instructional Innovation Grant. Vadocz, E. A., & **Castelli, D.** (Co-PI), *Handheld Technology and Instruction*, \$4,000 (funded 2001-2002).

2. MAHPERD. **Castelli, D.** (PI), *Using the Palm Pilot to Assess Students in Physical Education*, \$1,000 (funded, 1995-1996).
1. Nellie Mae Foundation. Elkins, K., & **Castelli, D.** (Co-PI), *Challenge Holds Success*. The project provided a rope course and Project Adventure curriculum for at-risk and special education students at Cony High School, Augusta, ME., \$10,000 (funded, 1992-1993).

### **Pending Extramural Funding**

NIH NICHD. Julien, C. (PI). Castelli, D.M. (Co-PI). *An RCT to assess the efficacy of the moveSmart digital game on physical activity in upper elementary school*. June 1, 2022 to December 31, 2027. \$3,661,825.

Institute of Education Sciences (IES). Castelli, D.M. (PI). Julien, C. (co-PI). *Project moveSMART: A Digital Educational Platform to Facilitate Computational Skills and Computational Thinking Through Coding and Physical Activity*. July 1, 2022 to 6/30/2027. \$3,599,366.

### **PRESENTATIONS**

I have delivered 74 invited keynote presentations, 94 peer-reviewed research presentations, and 22 consultation/professional development sessions for teacher educators and K12 teachers.

### **Invited Keynote Presentations (2 keynote presentations were canceled because of COVID-19)**

74. **Castelli, D.M.** (2021). *Leveling the Playing Field: Sustaining Equity-Centered Physical Activity Programs in Schools*. Dearborn School District, MI.
73. **Castelli, D.M.** (2021). *Bringing Science Home – Whole Communities, Whole Health Initiative*. Esther-Larson McGinnis Scholar Lecture, Illinois State University.
72. **Castelli, D.M.**, & Julien, C. (2021). Project SMART: An In-school and Online Standards-Based Physical Activity Intervention. ACTIWE: International Conference on Active Commuting and Technology Interventions Within the Environment. Lulea Tekniska University: Lulea, SWEDEN.
71. **Castelli, D. M.** (September 2020). *Building Future Health and Well-Being of Thriving Toddlers and Young Children*. Nestle Nutrition Institution Workshop Series. Postponed and then delivered online.
70. **Castelli, D. M.** (April 2020). Society of Health and Physical Educators – **SHAPE Curriculum & Instruction Award**; presentation entitled *Physical Education in the 21<sup>st</sup> Century: Integrated Public Health Aligned Physical Education*. 2020 SHAPE America conference. [Invited] Cancelled because of the pandemic.
69. **Castelli, D. M.** (April 2020). Society of Health and Physical Educators – **SHAPE America Scholar Award (career award)**; presentation entitled *Roles for Public Health and Kinesiology in Physical Education: A Social-Ecological Perspective*. 2020 SHAPE America conference. [Invited] Cancelled because of the pandemic.
68. **Castelli, D. M.** (May 2020). AERA – **Catherine Ennis Scholar Award (career award)**; presentation entitled *A New Model: Whole Communities – Whole Health Community Participatory Research*. 2020 AERA annual meeting. [Invited]. Postponed and then delivered online.
67. **Castelli, D. M.** (2019). *Can I Health You? Integrating Health and Physical Education*. Integrated Public Health-Aligned Physical Education Conference. Columbia, SC. [Invited].
66. **Castelli, D.M.** (2019). *Assessing Motor Competence, Physical Activity, and Fitness as Proxy Measures of Health: Project APLUS*. Healthy & Active Children Conference. Verona, Italy. [Invited].
65. **Castelli, D.M.** (2019). *Cognitive Benefits of Complex Movement Tasks in Physical Education*. 2019 World Congress on Teaching, Learning, and Curriculum in Physical Education for Well-Being. Shanghai, China. [Invited].
64. **Castelli, D.M.** (2018). *Physical Activity, Fitness, and Cognitive Health Among Children*. Washington, DC. Whole Health Education inaugural meeting. [Invited].



64. **Castelli, D.M.** (2017). *Importance of Physical Activity in & Around Schools: Play to Plasticity*. Dallas, Texas. Texas Association of Health, Physical Education, Recreation, & Dance (TAHPERD). [Invited scholar lecture].
63. **Castelli, D.M.** (October 2016). *Comprehensive Approaches to School Physical Activity, Human Capital and Academic Success*. Technical University of Lisbon, Portugal. [Invited].
62. **Castelli, D. M.** (October 2016). *Exercise Literacy and Academic Achievement*. Simposio Fitescola Symposium: Exercício, Sucesso, Futuro. Ministry of Education, Lisbon, Portugal. [Invited].
61. **Castelli, D.M.** (September 2016). *Gamification in Higher Education*. Lulea University of Technology, Lulea, Sweden. [Invited].
60. **Castelli, D.M.** (November 2015). *Fit, Healthy and Ready to Teach*. Adelphi University College of Education named lecture. [Invited].
59. **Castelli, D.M.** (November 2015). *Physical Activity, Health Risk & Academic Achievement in Children*. Maine AHPERD. [Invited].
58. **Castelli, D.M.** (June 2015). *Fit, Healthy and Ready to Champion*. Utah State Office of Education, Comprehensive School Physical Activity Programs (CSPAP) learning conference. [Invited].
57. **Castelli, D.M.** (February 2015). *Physical Activity, Health Risk, & Cognitive Performance in Children & Young Adults*. Healthy Children and Healthy School conference co-sponsored by the University of Jyväskylä and the University of Eastern Finland.
56. Wilson, A., Gamble, A. **Castelli, D.M.**, & Sanchez, E. (2014). *Moving Kids Toward Success*. Invited webinar presentation sponsored by the Active Living Research. [Invited].
55. **Castelli, D.M.** (April 2014). *Bringing the Brain to the Head of the Class*. Scholar keynote at the Utah State Department of Education professional development on providing physical activity across the school day. [Invited].
54. **Castelli, D.M.**, Chen A., Kriellaars, D., & Talbot, M. (2014). *Physical Education, Physical Activity, and Physical Literacy – Global Perspective*. AAHPERD convention & expo, St. Louis, MO. [Invited].
53. **Castelli, D.M.** (November, 2013). *Physical Activity Programming: Through the Years, What is Most Appropriate for Today's Children?* Ms. Jennifer Walls Scholar Lecture sponsored by McGill University as part of the AQPE conference. [Invited].
52. **Castelli, D.M.** (October 2013). *Comprehensive School Physical Activity Programs: A Framework to Get Active!* Robert P. Pangrazi Scholar Lecture sponsored by AZ AHPERD. [Invited].
51. **Castelli, D.M.** (October, 2013). *Why Schools Need to Provide More Physical Activity...It's All About the Brain!* Summit for Healthy Children: Physical Activity and Academic Performance. Missoula, Montana. [Invited].
50. **Castelli, D.M.** (2013). *Connecting New Technologies to Learning: Data Driven Decision Making*. AEISEP Conference, Warsaw, Poland. [Invited].
49. **Castelli, D.M.** (2013). *Why Schools Should Invest in Physical Activity: Brain Function and Structure*. AAHPERD Southwest District Conference in Las Vegas, Nevada. [Invited].
48. Chriqui, J., Hillman, C., & **Castelli, D.M.** (2013). *Bringing it All Together: Evidenced-Based Action*. Greentown Initiative, Chicago, IL. [Invited].
47. **Castelli, D.M.**, & Centeio, E.E. (2012). *Implementing a Comprehensive School Physical Activity Program*. Michigan Obesity Summit – Invited by Nathan McCaughtry on Nov. 6, 2012. [Invited].
46. **Castelli, D.M.** (2012). *Academic Success and Physical Activity in School Children*. Action for Healthy Kids Southern Obesity Summit – Invited by Michelle Smith, November 2, 2012. [Invited].
45. **Castelli, D.M.**, & Rink, J. (2012). *Comprehensive School Physical Activity Programs: Hedge the Deal*. Invited keynote at the NASPE Physical Education Teacher Education Conference in Las Vegas, Nevada. [Invited].
44. **Castelli, D.M.** (2012). *Physical Activity, Physical Fitness, and Academic Achievement in Children*. Invited keynote at the Montana Obesity Summit, Missoula, Montana. [Invited].
43. **Castelli, D.M.** (2012). *Healthy Children 101*. International Education Conference. Blurring the Boundaries. Atlanta, GA. [Invited].

42. **Castelli, D.M.** (2012). *Ready, Set, Whoa!: Am I Really Ready to Become a DPA?* Council for Children's Expanded Physical Education. Portland, OR. [Invited].
41. **Castelli, D.M.** (2012). *Brains, Bodies and Better Achievement.* Council for Children's Expanded Physical Education. Portland, OR. [Invited].
40. **Castelli, D.M.** (2011). *Delivering Beneficial Physical Activity Opportunities Across the School Curriculum.* American College of Sports Medicine Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Student to Better Performance. Washington, DC. [Invited].
39. **Castelli, D.M.** (2011). *Let's Move in School: Directors of Physical Activity.* American College of Sports Medicine Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Student to Better Performance. Washington, DC. [Invited].
38. Beighle, A., Carson, R., & **Castelli, D.M.** (April 2011). *Director of Physical Activity and Comprehensive School Physical Activity Programs.* San Diego, CA: American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD). [Invited].
37. **Castelli, D.M.**, Lumkin, A., & DePaux, K. (February 2011). Scholarly Integrity in Kinesiology Research – Part 2. Invited webinar presentation sponsored by the Research Consortium. You must be a fellow to be eligible. [Invited].
36. DePaux, K., **Castelli, D.M.**, & Lumkin, A. (February 2011). Scholarly Integrity in Kinesiology Research – Part 1. Invited webinar presentation sponsored by the Research Consortium. You must be a fellow to be eligible. [Invited].
35. **Castelli, D.M.**, (2011). *Fit and Ready to Learn.* Professional developed for Leander Independent School District (LISD). Leander, TX. [Invited].
34. **Castelli, D.M.** (2010). *Fit, Healthy and Ready to Parent.* Community forum hosted by the Round Rock School Independent School District (RRISD). Austin, TX. [Invited].
33. **Castelli, D.M.** (2010). *Physical Activity in Schools: Pedagogical and Programming Perspectives.* University of Kansas International Obesity Conference, Overland Park, KS. [Invited].
32. **Castelli, D.M.** (2010). *Fit, Healthy and Ready to Lead.* Fort Worth Independent School District (FWISD), administrator retreat. [Invited].
31. **Castelli, D.M.** (2010). *Fit, Healthy and Ready to Learn.* Texas Physical Education District Curriculum Coordinators. [Invited].
30. Lambdin, D., & **Castelli, D.M.** (2010). *Lengthening Your Stride: SHAC and Student Achievement.* Round Rock Independent School District (RRISD), teacher professional development. [Invited].
29. **Castelli, D.M.** (2010). *Are we Stressing Our Kids Out?* Canadian Association of School Social Workers & Attendance Counsellors (CASSWAC), Annual Meeting, Winnipeg, CANADA. [Invited].
28. **Castelli, D.M.** (2010). *Is Your Brain Functioning to its Max Capacity?* Canadian Association of School Social Workers & Attendance Counsellors (CASSWAC), Annual Meeting, Winnipeg, CANADA. [Invited].
27. **Castelli, D.M.** (2010). *Phat and Skinny on Physical Activity, Fitness and Brain Function.* Canadian Association of School Social Workers & Attendance Counsellors (CASSWAC), Annual Meeting, Winnipeg, CANADA. [Invited].
26. **Castelli, D.M.** (2010). *Update, Advocate, Legislate: Cognitive Health as a Byproduct of Quality Physical Education.* Physical & Health Education Coordinators Conference, Indianapolis, Indiana, invited presentation. [Invited].
25. **Castelli, D.M.**, & Centeio, E. (February, 2010). *Physical Activity, Fitness & Cognitive Function: It's Elementary.* Austin Independent School District, invited presentation for teachers. [Invited].
24. **Castelli, D.M.** (2009). *Making Connections Across the Curriculum.* Keynote at the Illinois school wellness conference. [Invited].
23. **Castelli, D.M.** (2009). *Physical Activity and Schools: Context and Considerations.* Physical activity as intervention, scholars in residence workshop for mental health service workers in Connecticut. Sponsored by the National Institute on Drug Abuse. [Invited].

22. **Castelli, D.M.** (2009). *Physical Activity, The Brain, and School Performance*. Physical activity as intervention, scholars in residence workshop for mental health service workers in Connecticut. Sponsored by the National Institute on Drug Abuse. [Invited].
21. **Castelli, D.M.** (2008). *Podcasts and Comprehensive School Physical Activity: Possibilities & Pitfalls*. Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) and the Maine State Department of Education. Rockland, ME: Annual MAHPERD Conference. [Invited].
20. **Castelli, D.M.** (2008). *Fitness Improves Thinking: Enhancing School Performance through Physical Activity and Fitness*. Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) and the Maine State Department of Education. Rockland, ME: Annual MAHPERD Conference. [Invited].
19. **Castelli, D.M.** (2008). *Physical Activity and Academic Achievement*. Healthy Schools Campaign. Chicago, IL. [Invited].
18. **Castelli, D.M.** (2008). *Fit and Healthy Make the Mind Wealthy: Physical Educator's Role*. Illinois Association for Health, Physical Education, Recreation, and Dance (IAHPERD), Northern District Workshop, DeKalb, IL. [Invited].
17. Ratey, J., Hillman, C., & **Castelli, D.M.** (2008). *Academic Achievement and Physical Attributes*. Expert panel for DuPage County Institute, Naperville, IL. [Invited].
16. Senator Tom Harkin, **Castelli, D.M.**, & Beard, A. (December 4, 2007). *Fit and Healthy Make the Mind Wealthy: Why US Education Policy Should Promote Physical Activity and How to Make it Happen in the 110<sup>th</sup> Congress*. A U.S. congressional briefing. [Invited].
15. **Castelli, D.M.**, & Evans, E. (2007). *Childhood Obesity Prevention: FACT, Food, Action, Collaboration, and Tactics*. STAR NET presentations. DuPage County, IL. [Invited].
14. Levi, J., **Castelli, D.M.**, Nelson, S., & Franklin, S. (September 25, 2007). *F as in Fat, Childhood Obesity and Physical Activity Congressional Briefing*. Trust for America's Health providing policy recommendations about opportunities to promote physical activity through the reauthorization of NCLB and other legislative vehicles, Washington, DC. [Invited].
13. **Castelli, D.M.** (2007). *Physical Education Outcomes and Cognitive Health*. Invited by IAHPERD as the Past President's Scholar Award recipient. [Invited].
12. **Castelli, D.M.** (2007). *Physical Activity, Fitness, and the Brain*. Appleton School District at the "Minding Your Mind" Summer Institute keynote, Appleton, WI. [Invited].
11. **Castelli, D.M.** (2007). *Remember the Motor Skills!* Appleton School District at the "Minding Your Mind" Summer Institute. Appleton, WI. Invited breakout session for elementary physical education teachers. [Invited].
10. **Castelli, D.M.** (2007). *Activity Breaks and Physical Engagement*. Appleton School District at the "Minding Your Mind" Summer Institute, panel session, Appleton, WI. [Invited].
9. **Castelli, D.M.** (2007). *Putting the "Action" in Physical Education*. IL NET presentation at the IL NET "We Can" wellness policy conference, Urbana, IL. [Invited].
8. **Castelli, D.M.** (2006). *Motor Skill Competency and Cognitive Processes in Children*. Internationale des Écoles Supérieures d'Éducation Physique (AIESEP) International Young Scholar Award presentation, Jyväskylä, Finland. [Invited].
7. Rink, J., Graham, G., Dodds, P., & **Castelli, D.** (2006). *Becoming a PETE*. NASPE presentation at the AAHPERD national convention, Salt Lake City, Utah. [Invited].
6. **Castelli, D.** (2005). *Expresso Royale: What' Brewing about Secondary Physical Education and Academic Achievement?* Invited to present at the Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) conference. Rockland, ME: Annual MAHPERD Conference. [Invited].
5. **Castelli, D.** (2005). *Virtually Possible, Integrating Technology to Meet Physical Education Standards*. Invited to present at the Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) conference. Rockland, ME: Annual MAHPERD Conference. [Invited].
4. **Castelli, D.** (2005). *Are the National Standards Achievable?* Invited to present the Hally Beth Poindexter Young Scholar Award at the annual NAKPEHE conference, Tucson, AZ. [Invited].

3. **Castelli, D.** (2004). *Does Physical Activity and Fitness Influence Academic Achievement?* Invited to present findings from four studies related cognitive performance and children at the annual South Carolina AHPERD Conference, Myrtle Beach, SC. [Invited].
2. **Castelli, D.M.** (2003). *Standards and Accountability Grades 7-12*. Session was part of an assessment workshop sponsored by the Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) and the Maine State Department of Education. Rockland, ME: Annual MAHPERD Conference. [Invited].
1. **Castelli, D.M.** (2003). *Standards and Accountability K-6*. Session was part of an assessment Workshop sponsored by the Maine Association for Health, Physical Education, Recreation, and Dance (MAHPERD) and the Maine State Department of Education. Rockland, ME: Annual MAHPERD Conference. [Invited].

#### **Peer Reviewed Research - Oral Presentations (underline is mentor)**

94. Chen, Y., Holahan, C., & **Castelli, D.M.** (2021). *Sedentary behavior, sleep quality, and subjective memory function in middle-aged adults*. The Gerontological Society of America (GSA) 2021 Annual Scientific Meeting.
93. Julien, C., **Castelli, D. M.**, Bray, D., Lee, S., Burson, S., & Jung, Y. (2020). Project SMART: A cooperative educational game to increase physical activity in elementary schools. CHASE Conference.
92. Bartholomew, J.B., **Castelli, D.M.**, & Sacheck-Ward, J. (2019). *Moving the Needle on School Physical Activity: Targets for Intervention and Worthwhile Outcomes*. ASCM, Orlando, FL.
91. **Castelli, D.M.** (2016). Physical Activity, Health Risk, & Cognitive Performance in Children. Capetown, South Africa: ISBNPA, annual meeting.
90. Chen, Y.T., Cance, J.D., Barcelona, J.M., Hwang, J., Barnes, S. P., Wargo, J., & **Castelli, D.M.** (2016). Health Policy, Socioeconomic Status, and Student Fitness Award. San Francisco, CA: Society of Preventive Research annual meeting.
89. Chen, Y.T., Hwang, J., Calvert, H., & **Castelli, D.M.** (2016). Body Mass Index and Trait Anxiety among College Students. San Francisco, CA: Society of Preventive Research annual meeting.
88. **Castelli, D.M.**, Bryant, L., Glowacki, E., McGlone, M., & Barcelona, J.M. (2016). Lynne: Persuading Teens to Reduce Health Risk Through Healthy Messaging. Washington, DC: AERA Annual Meeting.
87. **Castelli, D.M.** (November 2015). *Physical Activity Leaders: Creating a Movement*, PETE & HETE SHAPE America Conference, Atlanta, GA.
86. Beddoes, Z., & **Castelli, D.M.** (June 2015). Managing Classrooms with Physical Activity. Utah State Office of Education, Comprehensive School Physical Activity Programs (CSPAP) learning conference.
85. Barcelona, J.M., Barnes, S.P., Wargo, J., Cance, J.D., **Castelli, D.M.** (April 2015). Presidential Youth Fitness Program Implementation: An antecedent to organizational change. AERA annual meeting, Chicago, IL. Outstanding student paper award.
84. Barcelona, J.M., Calvert, H.G., Cance, J.D., Barnes, S.P., Wargo, J., & **Castelli, D.M.** (April 2015). Facilitators and barriers to implementation of the Presidential Youth Fitness Program. SHAPE America conference, Seattle, WA.
83. Hwang, J., Barcelona, J.M., & **Castelli, D.M.** (July 2015). Association between physical fitness, activity, and cognitive performance in young adults. AIESEP Conference, Madrid, Spain.
82. Glowacki, E.M., Centeio, E.E., & **Castelli, D.M.** (May 2015). Pertinent Policy: Assessing the gap between physical activity policy and teachers' practices within the classroom. Society of Prevention Research Annual Meeting in Washington, DC.
81. Hwang, J., Jung, Y., Kim, J., Chen, Y.T., Setty, J., Brothers, R.M., & **Castelli, D.M.** (May 2015). Effect of acute bout of high-intensity aerobic exercise on working memory and attention in relation to VO<sub>2</sub> Max in Young Adults. ACSM annual meeting, San Diego, CA.

80. Jung, Y., Hwang, J., Chen, Y.T., Setty, J., Kim, J., Calvert, H., Brothers, R.M., & **Castelli, D.M.** (May 2015). Effect of acute exhaustive exercise on executive function in young adults. ACSM annual meeting, San Diego, CA.
79. Kim, J., Hwang, J., Jung, Y., Chen, Y.T., Beddoes, Z., & **Castelli, D.M.** (May 2015). Relationship between physical activity and cognitive function among young adults. ACSM annual meeting, San Diego, CA.
78. Cance, J.D., Barcelona, J.M., Wargo, J., Pitt Barnes, S., Hwang, J., & **Castelli, D.M.** (May 2015). Changes in youth physical fitness by year in school. ACSM annual meeting, San Diego, CA.
77. Chen, Y.T., Hwang, J., Jung, Y., Kim, J., **Castelli, D.M.** (May 2015). Association between self-reported sedentary time and trait anxiety among college students. ACSM annual meeting, San Diego, CA.
76. Cooper, K., **Castelli, D.M.**, Greenberg, J., & Morrow, J. (March 2015). *Healthy School Policies: Building Healthy Students*. SHAPE America convention, Seattle, WA.
75. Barcelona, J., Calvert, H.G., Duncan Cance, J., Pitt-Barnes, S., Wargo, J., & **Castelli, D.M.** (March 2015). *Implementation Facilitators and Barriers of the Presidential Youth Fitness Program*. SHAPE America convention, Seattle, WA.
74. Bryant, L., & **Castelli, D.M.** (March 2015). *Human Capital Survey Development*. SHAPE America convention, Seattle, WA.
73. Carson, R.L., Pulling, A.C., **Castelli, D.M.**, & Beighle, A.E. (March 2014). *Facilitators and Inhibitors of the DPA Program and CSPAP Implementation*. AAHPERD Convention, St. Louis, MO.
72. Wickline, B.C., Vowel, C., **Castelli, D.M.**, & Poll, S. (April 2014). *Garnering support for the Presidential Youth Fitness Program*. AAHPERD Convention, St. Louis, MO.
71. Centeio, E.E., **Castelli, D.M.**, Carson, R.L., Beighle, A., & Glowacki, E. (March 2014). *Comprehensive School Physical Activity Programs: Current practice & promise*. AAHPERD Convention, St. Louis, MO.
70. Carson, R.L., **Castelli, D.M.**, Pulling, A.C., Raguse, A.L., Calvert, H.G., Glowacki, E.M., Beets, M., Moore, J., & Beighle, A. (March 2014). *Newly Implemented Comprehensive School Physical Activity Programs and Children's Physical Activity*. Active Living Research Conference.
69. Nicksic, H., & **Castelli, D.M.** (2013). *Fostering Physical Literacy through Professional Development*. Physical Literacy Conference (2013) at the University of Bedfordshire, England.
68. Centeio, E.E., & **Castelli, D.M.** (2013). *Comprehensive School Physical Activity Program Implementation*. San Francisco, CA: American Educational Research Association.
67. Duncan Cance, J., Centeio, E.E., & **Castelli, D.M.** (2012). *The Relationship between Aerobic Fitness and Unexcused Absences among High School Students*. Society for Prevention Research (20<sup>th</sup> Meeting), Washington, DC.
66. Hwang, J., Centeio, E.E., Calvert, H. G., Carson, R.L., Beighle, A., & **Castelli, D.M.** (2013). Environmental Characteristics Related to Implementation of Comprehensive School Physical Activity Program. American College of Sports Medicine Conference, Orlando, FL.
65. Centeio, E.E., & **Castelli, D.M.** (April 2012). *Reaching the Tipping Point: Incidences of Support and Resistance to Curricular Change among Secondary Physical Education Teachers*. Vancouver, Canada: American Educational Research Association.
64. Phillips, D., Hanson, J., & **Castelli, D.** (November 2011). *The Effects of Acute Bouts of Physical Activity on Academic Achievement*. Health indices and cognitive performance in school-aged children. ACSM conference in Washington, D.C.
63. Brothers, R.M., Harrison, M., Lee, J., Centeio, E.E., Hwang, J., **Castelli, D.M.** (November 2011). *Health Indices and Cognitive Performance in School-aged Children*. ACSM conference in Washington, D.C.
62. Centeio, E.E., Hwang, J., Harrison, M., Presley, S., Schafer, J., Lee, J., Brothers, R.M., & **Castelli, D.M.** (November 2011). *Acute Physical Activity and Cognitive Performance After Traditional Fitness and Active Gaming*. ACSM conference in Washington, D.C.



61. Kamijo, K., Khan, N. Pontifex, M., Scudder, M.R., Drollette, E. S., Raine, L.B., Evans, E.E., **Castelli, D.M.**, Hillman, C.H. (November 2011). *The Negative Relation of Adiposity to Cognitive Health in Preadolescent Children: Perspectives on Academic Achievement*. ACSM conference in Washington, D.C.
60. Kamijo, K., Khan, N. A., Pontifex, M. B., Scudder, M. R., Drollette, E. S., Raine, L. B., Evans, E. M., **Castelli, D. M.**, & Hillman, C. H. (May 2011). *The Negative Relation of Adiposity to Cognitive Health in Preadolescent Children: Perspectives on Academic Achievement*. Poster presented at the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance.
59. Raine, L. B., Kamijo, K., Scudder, M. R., Wu, C.-T., Drollette, E. S., Pontifex, M. B., **Castelli, D. M.**, & Hillman, C. H. (May 2011). *The Beneficial Effects of an Afterschool Physical Activity Program on Preadolescent Cognition: The FIT Kids Trial*. Poster presented at the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance.
58. Centeio, E.E., & **Castelli, D.M.** (April 2011). *Curricular and Behavior Change in Physical Education*. New Orleans, LA: American Educational Research Association annual meeting.
57. Dauenhauer, B., Keating, X., Lambdin, D., & **Castelli, D.M.** (March 2011). *A Case for Using Response to Intervention to Address Childhood Obesity*. New Orleans, LA: American Educational Research Association annual meeting.
56. Lambdin, D., Centeio, E.E., Wallace, J., **Castelli, D.M.**, & Keating, X. (March 2011). *Analysis of Fitness Concepts in Physical and Health Education Standards*. San Diego, CA: American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD).
55. Jefferies, S., **Castelli, D.M.**, Graham, G., Kleinfelter, A., Krause, T., Mohnsen, B., Richardson, C. (March 2011). *PE2020 Forum: What is Your Vision for Physical Education in the Future?* San Diego, CA: American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD).
54. Boehrnesen, H., Templin, T.J., **Castelli, D.M.**, Patton, K., Parker, M., Sinclair, C., McCaughtry, N., Richards, K.A., Layton, J., Minnear, D., Barclay, D., Drury, K., Hemphill, M., Ginger, L., McNamee, N., and Cory, E. (March 2011). *Implementing a PEP grant: Promoting Sustained Reform and Teacher Development*. San Diego, CA: American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD).
53. **Castelli, D.M.** (January 2010). *Fitness Improves Thinking an Advocate's Dream or Misguided Panacea?* NAKPEHE Conference, Scottsdale, AZ.
52. Hillman, C.H., Pontifex, M.B., Raine, L.B., **Castelli, D.M.**, Hall, E.E., & Kramer, A.F. (2009). *The Effects of Acute Aerobic Exercise on the Cognitive Control of Attention and Academic Achievement in Preadolescent children*. Poster presented at the *Society for Research in Child Development*.
51. **Castelli, D.M.** (October 2009). *PETE Meet Gym: Rethinking Physical Activity Across the Curriculum*. Physical Education Teacher Education Conference at Myrtle Beach, SC.
50. McMahon, M., Frakes, R., Ackerman, K., Swanson, C., & **Castelli, D.M.** (2009). *School-University Partnerships*. The IAHPERD midstate conference at Eastern Illinois University.
49. **Castelli, D.M.** (2009). *Physical Activity During the Secondary Student's Day*. The IAHPERD midstate conference at Eastern Illinois University.
48. **Castelli, D.M.**, Erwin, H.E., & Woods, M. K. (2008). *Effects of Media on Physical Education Performance Outcomes*. AAHPERD national convention.
47. **Castelli, D. M.**, Rothermel, J., Fagan, T., & Sawosko, C. (2007). *Developing a Personalized School Wellness Plan at the Secondary Level*. Physical Activity in Contemporary Education Conference. Urbana, IL.
46. **Castelli, D. M.**, Erwin, H. E., Graber, K., Woods, A. M., & Zhu, W. (2007). *A National Profile of Teacher Education Faculty: The Construction of an Online Survey*. American Educational Research Association Annual Meeting. Chicago, IL.

45. **Castelli, D. M.**, & Fiorentino, L. (2006). *Technology integration in higher education, physical education*. Internationale des Écoles Supérieures d'Éducation Physique (AIESEP) International Jyvaskyla, Finland.
44. **Castelli, D.M.**, Evans, E., & Mistic, M. (2006). *Facilitating Inquiry using Technology and Teams in Exercise Physiology: The FITT Project*. International Conference on Learning Sciences.
43. **Castelli, D.M.**, & Erwin, H.E. (2006). *Relationship between Youth Fitness Levels and Complex Motor Performance*. American College of Sports Medicine annual meeting.
42. Buck, S.M., Osher, E., **Castelli, D.M.**, & Hillman, C.H. (2006). *The Relationship of Aerobic Fitness to Interference Control in Preadolescent Children*. American College of Sports Medicine annual meeting.
41. Buck, S.M., Osher, E., **Castelli, D.M.**, & Hillman, C.H. (2006). *Aerobic Fitness and Cognitive Development: Event-Related Potential and Task Performance Indices of Interference Control in Preadolescent Children*. FACSM.
40. Gurvitch, R., & **Castelli, D.** (2006). *Creating Video Vignettes for Instructional Purposes*. NASPE presentation at the AAHPERD national convention, Salt Lake City, Utah.
39. **Castelli, D.M.** (2006). *Executive Control: The Common Denominator in a Collaborating Force*. Presentation at the National Association for Kinesiology and Physical Education in Higher Education Convention, San Diego, CA.
38. Hillman, C.H., Buck, S.M., & **Castelli, D.M.** (2005). *Aerobic Fitness and Neurocognitive Function in Preadolescent Children during Flanker Task Performance*. Poster presented at the Cognitive Development Society.
37. **Castelli, D.M.** (2005). *Are the National Physical Education Standards Achievable?* Urbana, IL: University of Illinois at Urbana-Champaign Works in Progress Conference.
36. **Castelli, D.**, Hillman, C., Etnier, J., Buck, S., & Erwin, H. (2005). *Cognitive Processes, Fitness, and Motor Competency in Children*. Research symposium at the AAHPERD national convention, Chicago, IL.
35. Fiorentino, L., & **Castelli, D.** (2005). *Technology Can Enrich Your Practice and Engage Students in Meaningful Learning Experiences*. NASPE presentation at the AAHPERD national convention, Chicago, IL.
34. Erwin, H., & **Castelli, D.** (2005). *What do Competent and Noncompetent Children Look Like?* Poster presented at the AAHPERD national convention, Chicago, IL
33. Buck, S.M., Hillman, C.H., & **Castelli, D.** (2004). *Physical Fitness and Cognitive Function in Healthy Preadolescent Children*. Poster presented at 2004 SPR conference, Santa Fe, NM.
32. Buck, S.M., Themanson, J.R., **Castelli, D.**, & Hillman, C.H. (2004). *Error-related Negativity in Healthy Preadolescent Children*. Poster presented at SPR conference, Santa Fe, NM.
31. Buck, S.M., Hillman, C.H., & **Castelli, D.** (2004). *The effects of physical fitness on cognitive processing in 7-11-year-old children*. Oral presentation at NASPSPA conference, Vancouver, BC, CANADA.
30. **Castelli, D.** (2004). *Technology Standards and Higher Education*. Presentation at the annual South Carolina AHPERD Conference, Myrtle Beach, SC.
29. Erwin, H., & **Castelli, D.** (2004). *Physical Activity and Fitness Influence Motor Competency?* Poster presented at the Missouri Association Health, Physical Education, Recreation, Dance annual conference at Lake of the Ozarks, MO.
28. **Castelli, D. M.**, & Graber, K. (2004). *Virtual Coaching in Secondary Physical Education*. PT3 TALENT presentation, Champaign, IL.
27. **Castelli, D.**, (2004). *Virtual Coaching in a Secondary Physical Education Class*. Presentation at the annual NASPE Technology Conference, Ball State University, Muncie, IN.
26. **Castelli, D.**, & Fiorentino, L. (2004). *Creating Virtually Perfect Practice*. Presentation at the annual NASPE Technology Conference, Ball State University, Muncie, IN.

25. Singer, J., & **Castelli, D.** (2004). *Collaborative Curriculum Enactment: A Case of Professional Development*. National Association for Research in Science Teaching (NARST) annual convention in Vancouver, CA.
24. **Castelli, D.M.** (2004). *Effectiveness of Technology Modules in PETE*. Research Consortium, AAHPERD National Convention in New Orleans, LA.
23. **Castelli, D.M.**, & Fiorentino, L.H. (2004). *Effects of Different Instruction on Preservice Teacher Perceived Ability and Comfort with Technology in Physical Education*. Research Consortium, AAHPERD National Convention in New Orleans, LA.
22. **Castelli, D.M.**, & Williams, L. (2004). *Health-Related Fitness and Physical Education Teachers' Content Knowledge*. National Association for Physical Education in Higher Education (NAPEHE), Clearwater, FL.
21. **Castelli, D.M.**, & Williams, L. (2003). *Accountability in Secondary Physical Education: Implications for PETE programs*. National Physical Education Teacher Education Conference. Baton Rouge, LA.
20. **Castelli, D.M.**, & Singer, J. (2003). *Collaborative Curriculum Enactment: A Case of Professional Development*. Synergy Communities: Aggregating Learning about Education (SCALE) Annual Meeting, University of California at Berkeley.
19. **Castelli, D.**, & Singer, J. (2002). *Constructing Knowledge in Middle School Science through Collaborative Technology Interventions*. Invited by the University of South Carolina PT3 to present research findings at a summer institute.
18. Rink, J.E., & **Castelli, D.M.**, (2003). *Report Cards for Accountability: The High-Stakes Statewide Assessment Programs in South Carolina*. Paper presented at the meeting of the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Philadelphia, PA.
17. Panel member, (2003). *Issues and Challenges in Constructing Standard-Based State Assessment Programs*. Presentation panel member at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Philadelphia, PA.
16. **Castelli, D.**, & Wang, E. (2001). *Teaching Health-Related Fitness*. SCAHPERD Conference, Myrtle Beach, SC.
15. **Castelli, D.**, Hohn, R., Pebworth, K., & Rairigh, R. (2001). *Fitnessgram Training*. Administering Fitnessgram assessment and instruction. SCAHPERD, Myrtle Beach, SC.
14. **Castelli, D.** (2001). *Preparing Tomorrow's Teachers to Use Technology*. PT3 training session for preservice physical education teachers' introduction of five constructivist technology modules. USC-PT3 Consortium, Columbia, SC.
13. **Castelli, D.** (2001). *Instructional Technology for the Physical Education Teacher*. South Carolina Physical Education Institute. Columbia, SC.
12. Ayers, S., & **Castelli, D.** (2001). *Developing and Using CD-ROM Technology for Preservice and In-service Teachers*. AAHPERD Convention, Columbus, OH.
11. **Castelli, D.** (2000). *Using the Learner Profile Software and the Palm Pilot IIIxe to Assess Student Work*. SCAHPERD Conference, Myrtle Beach, SC.
10. **Castelli, D.**, & Rairigh, R. (2000). *Rubrics & Beyond: Assessing Students During Instruction*. SCAHPERD Conference, Myrtle Beach, SC.
9. **Castelli, D.** (2000). *Assess Without Stress*. Using technology in physical education for assessment. MAHPERD Conference, Rockland, ME.
8. **Castelli, D.**, & Rairigh, R. (2000). *May the Force Be With You*. Integrating concepts into teaching physical education. MAHPERD Conference, Rockland, ME.
7. **Castelli, D.**, & Rairigh, R. (2000). *Developmental Game Stages & Assessment. Demonstration of different assessment techniques throughout the developmental games stages*. MAHPERD Conference, Rockland, ME.
6. Ayers, S., **Castelli, D.**, Hohn, R., Pebworth, K., & Rairigh, R. (2000). *Fitnessgram Training*. Administering Fitnessgram assessment and instruction. SCAHPERD, Myrtle Beach, SC.
5. **Castelli, D.**, & Giles-Brown, L. (1998). *Assessment in the 90's*. MAHPERD Conference, Rockland, ME.

4. **Castelli, D.** (1997). *Fitness Activities for Middle School Students*. MAHPERD Conference, Rockland, ME.
3. McCormack, L., Giles-Brown, L. & **Castelli, D.** (1997). *Plymouth State College Alumni: Best Practices*. EDA AHPERD Conference, Burlington, VT.
2. **Castelli, D.** (1996). *Sharing What We Know About Secondary Physical Education*. Secondary activities sharing session coordinator; recruited presenters and presented activities. MAHPERD, Rockland, ME.
1. **Castelli, D.** (1995). *Modifying Team Sports for Inclusion of All Students: Secondary*. Alternative activities for wheelchair users and students with mental retardation. The Adapted Physical Education Conference, Rockland, ME.

### **Consultation/Teacher In-service**

22. Julien, C.M. & **Castelli, D.M.** (2021). *Integrating Computer Science Across the Curriculum through Project SMART*. Central Texas, K-8 teachers. Sponsored by National Science Foundation.
21. **Castelli, D.M.** & Julien, C.M. (2021). *Project SMART: A Cooperative Educational Game to Increase Physical Activity in Elementary Schools*. Central Texas, K-8 teachers. Sponsored by National Science Foundation.
20. **Castelli, D.M.** (2015). *Whole Child: Physical Activity and Academic Achievement*. Austin Independent School District. Austin, Texas.
19. **Castelli, D.M.** (2008). *Physical Education Curriculum Considerations*. Champaign Unit 4 Schools. Champaign, IL.
18. **Castelli, D. M.** (2007). *Measurement of Physical Activity in Children and Adolescents*. Professional development provided for Bradley-Bourbonnais Community High School physical education teachers.
17. Woods, M., & **Castelli, D. M.** (2007). *Implementing the Personalized System of Instruction (PSI) as a Means of Addressing Physical Activity Intentions*. Professional development provided for the Rantoul City Schools physical education teachers.
16. **Castelli, D. M.**, & Woods, A. M. (2007). *Appropriate Practice: Physical Activity During and Beyond Physical Education*. Professional development provided for the Urbana Schools physical education teachers.
15. **Castelli, D.M.** (2007). *Appropriate Practices and Performance Outcomes Promoting Physical and Cognitive Health*. Rantoul City Schools.
14. **Castelli, D.M.**, & Woods, A. M. (2007). *Evidenced-Based Practice: Maximum Participation and Integration of Technology*. Urbana School District 116.
13. **Castelli, D. M.** (2006). Invited by the Illinois Early Learning Project to serve as the expert on child physical activity as part of the *Ask the Expert* series on childhood obesity. Responded to parent and educator questions about physical activity from September to October 2006.
12. **Castelli, D. M.** (2006). Designed the evaluation plan for the Bradley-Bourbonnais Community High School Carol M. White Physical Education for Progress grant proposal.
11. **Castelli, D. M.** (2006). Consulted with Urbana School District regarding submission of a Carol M. White Physical Education for Progress grant. Helped to design the curriculum changes.
10. **Castelli, D. M.**, Woods, A. M., Bolton, K., & Woods, M. (2006). *What's Brewing about Physical Fitness and Academic Achievement?* Urbana Schools.
9. **Castelli, D. M.**, & Woods, A. M. (2006). *Appropriate Practices in the Classroom*. Rantoul City Schools.
8. **Castelli, D.**, Woods, A.M., Erwin, H., & Woods, M. (2005). *Evidenced-based Practice*. Workshop in the Rantoul City Schools.
7. **Castelli, D.**, Erwin, H., & Kim, M. (2005). *Move you, groove you...technology integration into physical education*. Champaign District Four Schools.
6. **Castelli, D.** (2004-present). Consultation and evaluation of the Rantoul City Schools physical education curriculum project, funded by a Carol M. White Physical Education Program grant from the U.S. Department of Education Office of Safe and Drug-Free Schools.

5. **Castelli, D. M.**, Buck, S., & Erwin, H. (2004). *Cognitive and Physical Fitness*. Inservice for Champaign District Four. Champaign, IL.
4. **Castelli, D.** (2001). *Standards and Assessment of Movement Forms*. In-service for Charlotte-Mecklenburg School District high school and middle school physical education teachers.
3. **Castelli, D.** (2000). *Set up the Learner Profile software and Palm hardware*. For the Lander University Physical Education Department. Provided follow-up training for personnel.
2. **Castelli, D.**, & Giles-Brown, L. (1999). *Assessment & Technology: Measuring The Maine State Learning Results*. Inservice for School Administrative District 34, Belfast, ME.
1. **Castelli, D.** (1997). *Benefits of Block Scheduling for Physical Education*. Pinkerton Academy, Derry, NH.

## **TEACHING**

### **Courses Taught at The University of Texas at Austin**

KIN 395:	Cognition & Exercise across Lifespan
KIN 352:	Sport Pedagogy
EDC 390:	Analysis of Teaching in Physical Education
EDC 345:	Curriculum Issues in Physical Education
EDC 370s:	Secondary Physical Education Curriculum
UGS 303:	Personal Physical Activity
HED 398T:	Teaching in Higher Education
EDC 385:	Research on Teaching in Physical Education
EDC 385:	Research on Teacher Education in Physical Education
EDC 385:	Curriculum in Physical Education
KIN 314:	Children's Movement
EDC 196:	Physical Education Teacher Education Forum
HED 196:	Graduate Seminar
HED 373:	Evaluation and Research Design
KIN 334:	Children's Exercise & Physical Activity

### **Courses Taught at the University of Illinois at Urbana-Champaign**

KIN 494:	Research on Teaching
KIN 494:	Advanced Curriculum
KIN 494:	Physical Activity & Youth
KIN 362:	Curriculum in Grades 7-12
KIN 460:	Pedagogical Technology
KIN 490:	Graduate Seminar

## **PROFESSIONAL SERVICE**

### **Offices Held**

1992-1993	Advocacy Committee Chairperson, Maine AHPERD
1993-1994	Vice President-Elect of Physical Education, Maine AHPERD
1994-1995	Vice President of Physical Education, Maine AHPERD
1996-1997	President-Elect of Maine AAHPERD
1997-1998	President of Maine AAHPERD
1998-1999	Past President of Maine AAHPERD
2009	Curriculum & Instruction Academy, Chair-elect
2009	Research Consortium- Pedagogy conference abstract reviewer, Co-chair
2010-2013	Curriculum & Instruction Academy, Chair
2010-2013	AERA, Research on Learning and Instruction in Physical Education, SIG program chair
2015-2016	SHAPE America, Research Council, Chair-elect
2016-2017	SHAPE America, Research Council, Chair



**PROFESSIONAL SERVICE continued****Offices Held**

2017-2018 SHAPE America, Research Council, Chair-past

**Journal Editor or Reviewer**

2000-2002 Section editor, secondary physical education, PELINKS 4U  
 2000-2006 Teaching Elementary Physical Education, Reviewer  
 2005-2006 International Conference of Learning Sciences, reviewer  
 2000-2006 Teaching Elementary Physical Education, editorial board, technology  
 2004-present AAHPERD research consortium conference proposal reviewer  
 2004-present AAHPERD research consortium grant reviewer  
 2006-2012 Measurement in Physical Education & Exercise Science, Reviewer  
 2006-2012 NASPE grant reviewer  
 2006-present Journal of Teaching in Physical Education, Reviewer  
 2006-present Research Quarterly for Exercise and Sport, Reviewer  
 2007 American Journal of Lifestyle Medicine, guest reviewer  
 2008 International Journal of Sport & Exercise Psychology, reviewer  
 2009 National Science Foundation guest grant reviewer  
 2009-present Journal of Physical Activity and Health, reviewer  
 2010-2014 International Journal of Trends in Educational Research (IJOTER) editorial board  
 2011-2017 Journal of Teaching in Physical Education, editorial board  
 2011-present Medicine & Science in Sports & Exercise, reviewer  
 2017-2020 Research Quarterly for Exercise & Sport, editorial board, chair  
 2020-present International Journal of Research in Environmental and Public Health (IJERPH)  
 Editorial board

**National/State Committees or Service**

2005-2006 NASPE PETE conference planning committee  
 2003-2009 IAHPERD Standards committee  
 2005-2006 NAKPEHE membership committee  
 2005-2007 Project AIM: Activity Time to Transpire in California K-12 PE, consultant  
 2006 A guest on WILL-AM Focus 580 with host David Inge and Dr. Robert Boucek. This monthly program addresses issues related to Children's Health and Exercise.  
 2006 Invited by the Illinois Early Learning Project to serve as the expert on child physical activity as part of the *Ask the Expert* series on childhood obesity.  
 2007 Advisory Board for the public television series *Kid Fitness*, East Islip, NY.  
 2007 Physical Education Blueprint Committee  
 2007-2011 Research Consortium Ethics Committee  
 2003-present Research Consortium Review Panel Pedagogy & Physical Activity Epidemiology (2010)  
 2009 NASPE PE2020: Physical Education Vision Committee  
 2010 NAKPEHE Publications Committee  
 2010 CDC Physical Activity Strategy 2 Implementation Committee  
 2010-2012 National School Physical Activity Director's certification task force  
 2011-2012 The National Academies, Institute of Medicine committee on youth fitness  
 2012-2013 The National Academies, Institute of Medicine committee on physical activity, fitness, and academic achievement  
 2015- present SHAPE America conference abstract reviewer  
 2015-2018 SHAPE America Research Council, chair  
 2017-2020 National Physical Activity Plan, education committee  
 2018-present Assessing Physical Literacy Through Standards (APLUS)  
 2018-present Active Schools Research Team

**National/State Committees or Service continued**

2018-present Active Schools – Whole Communities -Whole Health partnership

**UT Austin/College/Departmental Service**

2003-2005 UIUC, University Faculty Wellness Committee  
 2005-2006 UIUC, Search Team member for assistant professor in rehabilitation  
 2002-2009 UIUC, Department Pedagogy Teaching Portfolio Standards Committee, chair  
 2002-2009 UIUC, Department Cultural, Pedagogical, Interpretive Committee  
 2002-2009 UIUC, Department Pedagogy Committee  
 2003-2009 UIUC, College Educational Policy Committee, chair, 2004-2006  
 2005-2007 UIUC, Research Board grant reviewer  
 2006-2007 UIUC, Evaluation Team for Kinesiology & Community Health Chair  
 2008 UIUC, Election and Credentials Committee  
 2009-2015 UT, Department of Kinesiology and Health Education Physical Education Teacher Education undergraduate committee  
 2009-2010 UT, Kinesiology and Health Education merit review panel  
 2011 UT, Dean's Fellowship award committee  
 2011-2013 UT, College of Education Gender Equity Committee  
 2011-2016 UT, Department of Kinesiology & Health Education Management Team  
 2011-2017 UT, Department of Kinesiology & Health Education Graduate Advisor  
 2013-2016 UT, Graduate School Fellowship selection committee  
 2012-2016 UT, Dean's Research Committee  
 2009-present UT, Department of Kinesiology and Health Education Budget Council  
 2009-2018 UT, Department of Kinesiology and Health Education and Curriculum and Instruction Physical Education Teacher Education graduate committee  
 2009-present UT, Kinesiology and Health Education Graduate Student Committee  
 2009-2020 UT, Curriculum and Instruction Graduate Student Committee  
 2012-2018 UT, SACs accreditation committee  
 2015-2018 UT, Graduate Assembly  
 2017-2018 UT, Graduate Assembly, Administrative committee chair  
 2016-2018 UT, Department of Kinesiology and Health Education, teacher certification committee  
 2017-present UT, Whole Communities-Whole Health, Themed Organizing Committee  
 2017-2018 UT, CoE Physical Education all-level teacher certification co-coordinator  
 2018-2019 UT, CoE Research committee  
 2018-2019 UT, KHE Rehabilitative Movement Science search committee  
 2018-2019 UT, EDP School Psychology search committee  
 2019-2020 UT, Whole Communities-Whole Health cluster hire search committee  
 2021 UT, Whole Communities-Whole Health search committee research coordinator  
 2021 UT, Whole Communities-Whole Health search committee data manager  
 2021-2022 UT, Kinesiology and Health Education search committee tenure-track physical activity and public health  
 2020-present UT, Kinesiology and Health Education, Diversity, Equity, and Inclusion committee