# CURRICULUM VITAE

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

Northeastern University

Department of Physical Therapy, Movement and Rehabilitation Sciences

Bouvé College of Health Sciences

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| **EDUCATION** |
| 2022 |  | University of Texas at Austin, McCombs School of Business, Post-Graduate Certificate in  |
|  |  |  Data Science and Business Analytics |
| 2002 | PhD | University of South Carolina, College of Education; Pedagogy, Instructional Technology |
|  |  | Minor (this program split to become the School of Public Health) |
| 1991 | MS | Northern Illinois University, Department of Physical Education; Exercise Physiology |
| 1989 | BS | Plymouth State University, Department of Physical Education (now Kinesiology); Health |
|  |  | and Physical Education Teaching Certification; Minor: Health Psychology |
| **WORK EXPERIENCE** |
| 2024-present2024-present2015-2023 | Northeastern University, BostonThe University of Texas at AustinThe University of Texas at Austin | Chair, Full Professor, PTMRSAdjunct Professor, Dept. of PsychologyProfessor, Director Kinetic Kidz Lab |
| 2018-present | *Whole Communities-Whole Health* | PI: Longitudinal cohort study |
| 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 Public Health Association (APHA)

Society of Health and Physical Educators (SHAPE) America

American College of Sports Medicine (ACSM) American Educational Research Association (AERA)

**HONORS, RECOGNITIONS, AND OUTSTANDING ACHIEVEMENTS** (AWARD – SPONSOR)

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| 2023 | ***McCloy Research Award*** (career award) - Society of Health and Physical Educators |
|  | (SHAPE) |
| 2022 | ***Textbook Longevity Award*** *for Publication of Fitness for Life* v7– McGuffey Academic |
|  | Authors Association |
| 2022 | ***Fellow*** - North American Society for Health, Physical Education, Sport, and Dance |
| 2020-2021 | ***Curriculum & Instruction Award*** (career teaching & curriculum writing) - SHAPE |
| 2020 | ***Catherine Ennis Scholar*** (career award) - American Educational Research Association |
| 2020 | ***Scholar Award*** (career award) – SHAPE America |
| 2017-2023 | ***Endowed Professor*** - Catherine Mae Parker Centennial Professorship |
| 2017 | ***Scholar Award*** - Texas AHPERD Scholar |
| 2016 | ***Fellow*** - National Academy of Kinesiology |
| 2014-2015 | ***Graduate Teaching Excellence Award*** – The University of Texas at Austin |
| 2014 | ***Longhorn Game Changer*** - The University of Texas at Austin |
| 2013 | ***Professor of Excellence*** - The University of Texas at Austin |
| 2013-2014 | ***Faculty Research Fellowship Award*** – The University of Texas at Austin |

# HONORS, RECOGNITIONS, AND OUTSTANDING ACHIEVEMENTS Continued

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| 2012-2016 | ***Dean’s Faculty Fellow*** - Joe R. & Teresa Long Fellowship – College of Education |
| 2008 | ***Teaching Excellence Award: Innovation in Undergraduate Instruction*** – University |
|  | of Illinois at Urbana-Champaign |
| 2007 | ***Fellow*** - AAHPERD Research Consortium |
| 2007 | ***Past-President’s Scholar Award*** – Illinois AHPERD |
| 2006 | ***International Young Scholar Award*** - AIESEP |
| 2005-2009 | ***Incomplete List of Teachers Ranked Excellent by their Students*** – University of |
|  | Illinois at Urbana- Champaign |
| 2003-2009 | ***Student – Mentor Awards*** – Illinois AHPERD |
| 2005 | ***Young Scholar Award*** (Hally Beth Poindexter) - NAKPEHE |
| 2004 | ***Contemporary Issues in Technology and Teacher Education Award*** - CITE |
| 1999 | ***Special Achievement Award*** - M.S.A.D. #71 Board of Directors (school board) |
| 1995**GRANTS** | ***Health/Physical Education Teacher of the Year*** - Maine AAHPERD |

**Summary of Funding:** 26 funded research projects as a PI and Co-I. Developed and implemented 6 federally funded physical activity interventions for efficacy and randomized controlled trials. One large- scale, internally funded initiative to promote transdisciplinary team science at UT Austin.

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

# Grants Proposed or Pending

1. Department of Education. Julien, C. (PI). **Castelli, D.M.** (co-PI). *moveSMART: Equity-Guided Integration of Computational Thinking across Core Subjects and Physical Education in Elementary Schools*. June 1, 2024 to May 31, 2029. $3,500,000. Study of student STEM knowledge and teacher practice providing experiential computer science lessons during physical education to build foundational skills for academic achievement through physical activity data collection in Title 1 schools in Central Texas. Resubmitted August 1, 2023 and scores will be posted January 2024.
2. NIH. CIHB. Julien, C. (PI), **Castelli, D.M.** (co-PI). *An RCT to assess the efficacy of the moveSmart digital learning platform on physical activity in upper elementary school*. January 1, 2024 to May 31, 2029. $3,661,825. An investigation of how the moveSMART digital learning platform can increase physical activity levels among children in upper elementary school and increase teacher and school capacity for promoting health and physical fitness. First submission score – received June 1, 2022: Impact score = 46; Percentile rank = 31st. Resubmitted on June 5, 2023.
3. National Science Foundation, Discovery Research K-12. Julien, C. (PI). **Castelli, D.M.** (co-PI). *Collaborative Research: Building Elementary Teacher Confidence and Ability to Support Computer Science Learning through Movement Integration*. May 1, 2024 to May 1, 2029. $2,527,837. Study of teacher knowledge and practice to provide equitable access to computer science and physical activity.
4. NICHD, NIMH. Robinson, L. (PI). **Castelli, D.M.** (co-I). *Children’s Health Activity Motor Program (CHAMP+): A Multilevel Intervention for Preschoolers*. June 1, 2024 to August 30, 2029. Study of multilevel intervention (home and school) in early childhood physical activity. Submitted October 5, 2023.
5. NICHD, NIMH. Raine, L. (PI) **Castelli, D.M.** (co-I). *Adolescent Exercise*. June 1, 2024 to June 30, 2029. $3,940,402.00. A study of the changes in brain function, cognition, and mental health that follows an acute bout of high intensity exercise among adolescents. Submitted October 5, 2023.

# Current Funding

26. NIH. NHLBI. **Castelli, D.M.,** (PI), Haley, A. (co-PI). *FEASible: Sensing Factors of Environment, Activity, and Sleep to Validate Metabolic Health Burden Among Latina Women*. $3,716,804.00; R011HL168374-01 (funded May 5, 2023 to May 4, 2028). Study of obesity and risk for metabolic syndrome among Latina mothers.

25. 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. January 1, 2018 to May 2028. *Whole Communities, Whole Health: Bringing Science Home is our Grand Challeng*e. A ten-year longitudinal cohort study on children’s health with an estimated total budget of $10,000,000.

# Grants Completed

24. 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. (2020-2023).

1. 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 2017- 2020).

21. Dairy Max, Bartholomew (PI), **Castelli, D.M.** (Co-PI). *Benefits of Chocolate Milk Consumption in High School Athletes,* $80,000 (funded 2016 – 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 2013-2017).

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 2012-2014).

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 2012-2015).

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 2012- 2014).

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 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 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).

# SCHOLARSHIP

**Google Scholar:** <https://scholar.google.com/citations?hl=en&user=hFToE7IAAAAJ>

**Scholar Rankings:** h index = 46; i10-index = 83; Total citations = 14,313

**Summary of scholarly work:** 120+ peer-reviewed publications; 4 books; 11 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.

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

131. Baker, B., & Castelli, D.M. (in revision). Acute sedentary behavior reduces cerebral oxygenation in active young adults. *Frontiers in Cognition.*

130. Del Valle Penella, L., Le, A., Zamora, M., Corral, C., Baker, B., Castelli, D.M. (under review). Becoming a ballerina: A collective study of self-esteem among adults with Down Syndrome. *International Journal of Developmental Disabilities.*

129. Burson, S., **Castelli, D.M.,** & Erwin, H. (under review). Validation of a questionnaire assessing teacher intentions to provide in-school.*Research Quarterly in Exercise and Sport.*

128. Burson, S., **Castelli, D.M.,** & Erwin, H. (under review). Teacher caring and perceptions of in-school play. *Journal of Teaching in Physical Education.*

127. Yu, C.C., Centeio, E.M., Hwang, J., Carrol, C., Le, A., del Valle, L., Baker, B., **Castelli, D.M.,** (under review). Comparing the effects of active video game play and physical activity on energy expenditure and cognitive performance among children. *Games for Health.*

126. Barcelona, J.M., Calvert, H., Beddoes, Z., & **Castelli, D.M.** (under review). Early elementary students’ engagement in movement integration: Examining associations between interest, competence, and cognitive outcomes. *Journal of School Health*, 1-9.

125. Beddoes, Z., Barcelona, J.M., & **Castelli, D.M.** (under review). Teacher implementation profiles: Top-down movement integration mandate. *Teaching and Teacher Education.*

124. Kim, J., Lindqvist, A.K., & **Castelli, D.M.** (2024). Effects of gamification on physical activity participation and healthy eating among college students. *Journal of American College Health*.

123. Baker, B., & **Castelli, D.M.** (2024). The impact of a global pandemic on young adult sedentary behavior and physical activity. *AJMFocus,* 100202.

122. Centeio, E. & **Castelli, D.M.** (2023). ACTIVE YOU: Teacher attributes and attitudes predicting physical activity promotion. *Behavioral Sciences, 13*(3), 210. doi.org/10.3390/bs13030210.

121. **Castelli, D.M**. & Julien, C. (2023). Physical activity interventions to reduce metabolic risk factors to cognitive health. *Kinesiology Review,1*, 1-8.

120. Jeong H, Payton J, Julien C, & **Castelli D.** (2022). Integrating Computer Science and Physical Education in Elementary Schools with Data Science Learning Modules Using Wearable Microcontrollers. 2022 IEEE 19th International Conference on Mobile Ad Hoc and Smart Systems (MASS). 2022 IEEE 19th International Conference on Mobile Ad Hoc and Smart Systems (MASS); ; Denver, CO, USA. IEEE; c2022. Available from: https://ieeexplore.ieee.org/document/9973573/ DOI: 10.1109/MASS56207.2022.00105

119. Burson, S., & **Castelli, D.M.** (2022). How elementary in-school play opportunities relate to academic achievement and social-emotional well-being: A systematic review. *Journal of School Health, 92*(10), 945-958.

118. Fritz, C., Dylan, B., Lee, G., Julien, C., Burson, S., **Castelli, D.,** Ramsey, C., Payton, J. (2022). Project moveSMART: When physical education meets computational thinking in elementary classrooms. *Computer, 55*(11), 29-39.

117. Koepp, A.E., Gershoff, E. T., **Castelli, D. M**., & Bryan, A. (2022). Total play time is needed for preschoolers to reach the recommended amount of non-sedentary activity. *International Journal of Environmental Research in Public Health, 19*(6), 3354.

116. Koepp, A.E., Gershoff, E. T., **Castelli, D.M.,** & Bryan, A. (2022). Preschoolers’ executive functions following indoor and outdoor free play. *Trends in Neuroscience and Education,* 100182. doi: 10.1016/j.tine.2022.100182.

115. Koepp, A., Gershoff, E. T., **Castelli, D. M.,** Bryan, A. E. (2022). Measuring children’s behavioral regulation in the pre-school classroom: An objective, sensor-based approach. *Developmental Science,* e13214.

114. **Castelli, D. M.,** Welk, G., Brusseau, T. A., & McMullen, J. (2022). SWITCH-ing quality physical education to multicomponent comprehensive school physical activity programs. *Journal of Physical Education, Recreation & Dance*, *93*(5), 35-42.

113. 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.

112. 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.

111. 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), <https://doi.org/10.1093/gigascience/giab044>

110. Jung, Y., Burson, S.L., Julien, C., Bray, D.F., & **Castelli, D.M.** (2021). Development of s school- based physical activity intervention using an integrated approach: Project SMART. *Frontiers of Health Psychology*, 3408.

109. 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.

108. 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.

107. Chaddock‐Heyman, L., Weng, T. B., Loui, P., Kienzler, C., Weisshappel, 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.

106. 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. doi.org/10.3390ijerph18073550

105. **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>.

104. **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.

103. 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.

102. 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.

101. 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.

100. 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.

99. 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.

98. 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.

97. 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.

96. Carson, R.L., Pulling Kuhn, A.C., Moore, J.B., **Castelli, D.M.,** Beighle, A., Hodgin, K.L., & Daunenhauer, B. (2020). Implementation evaluation of professional development for Comprehensive School Physical Activity Programs leaders. *Preventive Medicine Reports.* 101109.

95. 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.

94. 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.

93. Chaddock-Heyman, L., Weng, T. B., Kienzler, C., Weisshappel, 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.

92. **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.

91. 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.*

90. 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.

89. 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.

88. 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.

87. **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.

86. 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.

85. Chaddock-Heyman, L., Erickson, E. I., Kienzler, C., Drollette, E. S., Raine, L. B., Kao, S. C., Bensken, J., Weisshappel, 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>

84. Chopra, P., Dingwell, J., & **Castelli, D.M.** (2018). Cognitively demanding object negotiation while walking and texting. *Scientific Reports, 8.*

83. 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

82. **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.

81. **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.

80. 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.

79. 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.

78. 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

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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 (\*150+ peer-reviewed and published abstracts – not displayed)

**PRESENTATIONS**

I have delivered 77+ invited keynote presentations (34 international), 96 peer-reviewed research presentations, and 22 consultation/professional development sessions for teacher educators and K12 teachers.

# Invited or Keynote Presentations (2 keynote presentations were canceled because of COVID)

77. **Castelli, D.M.** (April 2023). SHAPE America Annual Meeting 2023 C.H. McCloy Research Lecture.

*Deeper Learning as Prevention Science in PETE and HETE.*

76. **Castelli, D.M.** (April 2022). American Educational Research Association Catherine Ennis Scholar Lecture. *Transdisciplinary Team Research – Could it Transform Teacher Education?*

75. **Castelli, D.M.** (2020). *Physical Activity Interventions to Reduce Metabolic Risk Factors Related to Cognitive Health*. Providence, RI. National Academy of Kinesiology.

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 21st 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: Exercicio, 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 Jyvaskyla 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). ***F****itness* ***I****mproves* ***T****hinking: 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 110th 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, Jyvaskyla, 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)

98. 97. Barcelona, J., Beddoes, Z., & **Castelli, D.M.** (April 2023). *Teacher and school level movement integration profiles*. American Educational Research Association (AERA). Chicago, IL.

97. Jeong H, Payton J, Julien C, **Castelli D.** (2022). Integrating Computer Science and Physical Education in Elementary Schools with Data Science Learning Modules Using Wearable Microcontrollers. 2022 IEEE 19th International Conference on Mobile Ad Hoc and Smart Systems (MASS). 2022 IEEE 19th International Conference on Mobile Ad Hoc and Smart Systems (MASS); Denver, CO, USA. IEEE; c2022. Available from: https://ieeexplore.ieee.org/document/9973573/ DOI: 10.1109/MASS56207.2022.00105

96. Fritz, C., Lee, G., Annaluru, R.S., Jeong, S.H., Julien, C., Payton, J., **Castelli, D.,** & Ramsey, C. (2022). moveSMART: Integrating Computer Science, Core Subjects, and Physical Activity in Elementary Schools. SIGCSE TS 2023 (54th ACM Technical Symposium on Computer Science in Education.

95. **Castelli, D.M.,** Burson, S., Julien, C., Fritz, C., Payton, J. (2022). *Computer science & physical activity in elementary schools: MoveSMART initial efficacy.* ACSM, San Diego, CA.

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 VO2 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 (20th 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., & Misic, 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). T*echnology 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 AHHPERD 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 hardwar*e. 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, NH.

# TEACHING

**Courses Taught at Northeastern University**

Proposed - Graduate Seminar

Proposed – Research Methods

**Courses Taught at The University of Texas at Austin** KIN 395: Cognition & Exercise Across Lifespan KIN 352: Sport Pedagogy

EDC 390: Analysis of Behaviors and Learning

# Courses Taught at The University of Texas at Austin continued

EDC 345: Curriculum Issues in the Community EDC 370s: Secondary Curriculum

UGS 303: Personal Physical Activity & Behavior Change HED 398T: Teaching in Higher Education

EDC 385: Research on Teaching & Teacher Education KIN 314: Children’s Movement in Schools

HED 196: Doctoral Seminar

HED 395: Research Methods: Applied Health

HED 373: Program Evaluation and Research Design KIN 334: Pediatric Exercise & Physical Activity

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

KIN 494: Research on Teaching

KIN 494: Theories of Health Behavior KIN 494: Advanced Curriculum

KIN 490: Planning Health Promotion Programs KIN 494: Physical Activity & Public Health

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 |
| 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

# Journal Editor or Reviewer continued

2008 International Journal of Sport & Exercise Psychology, reviewer 2009 National Science Foundation guest grant reviewer

2009-2023 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

2011-2023 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

2022-present Research Quarterly for Exercise & Sport, associate editor

# 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 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

2018-present Active Schools – Whole Communities -Whole Health partnership 2022-present Aim to Play, advisory board member

2024-present Advisory Board Member, Whole Communities, Whole Health

**UIUC, UT Austin, and Northeastern University**

# College/Departmental Service (School of Clinical & Rehabilitation Sciences (SoCRS); CoE = College of Education; KHE = Kinesiology and Health Education)

|  |  |
| --- | --- |
| 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 |

**UIUC, UT Austin, and Northeastern University**

**College/Departmental Service (School of Clinical & Rehabilitation Sciences (SoCRS); CoE = College of Education; KHE = Kinesiology and Health Education)**

2008 UIUC, Election and Credentials Committee

2009-2015 UT, KHE Physical Education Teacher Education Undergraduate Committee 2009-2010 UT, KHE Merit Committee

2011 UT, CoE Student Fellowship Awards Committee 2011-2013 UT, CoE Gender Equity Committee

2011-2016 UT, KHE Management Team 2011-2017 UT, KHE Graduate Advisor

2013-2016 UT, Graduate School Fellowship Selection Committee 2012-2016 UT, CoE Research Committee

2009-2023 UT, KHE Budget Council

2009-2018 UT, KHE Teacher Education Graduate Committee 2009-2023 UT, KHE Graduate Student Committee

2009-2020 UT, Curriculum and Instruction Graduate Student Committee 2010-2018 UT, CoE Teacher Certification committee

2012-2018 UT, SACs Accreditation Committee 2015-2018 UT, Graduate Assembly

2017-2018 UT, Graduate Assembly, Administrative Committee, chair

2017-2023 UT, Whole Communities-Whole Health, Themed Organizing Committee

2017-2018 UT, CoE Physical Education all-level teacher certification tenured-track coordinator 2018-2019 UT, CoE Research Committee

2018-2019 UT, KHE Rehabilitative Movement Science Search Committee 2018-2019 UT, CoE School Psychology Search Committee

2019-2020 UT, Whole Communities-Whole Health Search Committee cluster hire

2020-2022 UT, Whole Communities-Whole Health, Themed Organizing Committee, chair 2021-2022 UT, Whole Communities-Whole Health Search Committee research coordinator 2021-2022 UT, Whole Communities-Whole Health Search Committee data manager

2021-2022 UT, KHE Search Committee tenure-track physical activity and public health 2020-2023 UT, KHE Diversity, Equity, and Inclusion Committee

2020-2023 UT, KHE, Merit Committee, chair

2023-2024 UT, Dissertation Awards Committee

2024-present NU, SoCRS, Leadership Team