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ACADEMIC DEGREES

- Doctor of Philosophy 1993, The Ohio State University
Physical Education Teacher Education
Cognate: Applied Behavior Analysis
- Master of Education 1991, Victoria College, Rusden Campus, Australia
Physical Education Teacher Education
Cognate: Applied Behavior Analysis
- Bachelor of Education 1989, Deakin University, Warrnambool Campus, Australia
- Graduate Diploma in Sports Science 1988, Victoria College, Rusden Campus. Australia
- Diploma in Teaching 1981, North Brisbane College of Advanced Education. Australia

CURRENT PROFESSIONAL & ADMINISTRATIVE POSITIONS

- 2015-Present Director, Master of Sports Coaching degree at The Ohio State University.
- 2013-Present Director, Learning to Teach Physical Education Research Program at The Ohio State University.
- 2009-Present Professor, Kinesiology in the Department of Human Sciences. College of Education and Human Ecology, The Ohio State University, Columbus Ohio.

PREVIOUS PROFESSIONAL / ACADEMIC EXPERIENCE

- 2002-2009 Associate Professor, School of Physical Activity and Educational Services. College of Education and Human Ecology, The Ohio State University.
- 1999 - 2002 Assistant Professor, School of Physical Activity and Educational Services: College of Education and Human Ecology, The Ohio State University.
- 1995 - 1999 Assistant Professor, Department of Health and Human Performance. University of Nebraska-Lincoln.
- 1994 - 1995 Assistant Professor, Department of Health, Physical Education, Recreation and Dance. Illinois State University.
- 1993 - 1994 Visiting Professor, Department of Health and Physical Education. Wilmington College, Ohio.

1990 - 1993 Graduate Teaching Assistant, The Ohio State University School of Health, Physical Education, & Recreation.

1988 - 1989 Teaching Consultant, Victorian Education Department-Physical Education. Australia.

1984 - 1987 Physical Education Teacher, Manningham Rd. Primary School. Victoria, Australia.

BOOKS

7. Meeks, L., Heit, P., Page, R. & Ward, P. (2023). *Comprehensive School Health Education: Totally Awesome Strategies for Teaching Health* (10th ed). McGraw Hill.
6. Ward, P., & Snyder, S. (2022). *Core Practices for Health Education*. Human Kinetics.
5. Tsuda, E., Ward, P. & He, Y. (2021). *Test Questions for Pre-service Teachers and Students in Physical Education Content*. Biblio Publishing.
4. Ward, P., & Lehwald, H. (2018). *Effective Physical Education Content and Instruction*. Human Kinetics.
3. Li, W., Wang, X., Ward, P., and Sutherland, S. (2018). *Curricular Models of Physical education*. Beijing, P R China: Higher Education Publisher [Published in Chinese].
2. Ward, P., & Doutsis, P. (Eds.). (2001). *Physical Education in the 21st Century*. University of Nebraska Printing Service.
1. Ward, P. (1997). *Teaching Tumbling*. Human Kinetics.

CHAPTERS IN EDITED BOOKS AND PROCEEDINGS

18. Ward, P. (in press). How can physical education teachers meet the needs of contemporary youth? Routledge Online Encyclopedia of Sport Studies.
17. Tsuda, E., Ward, P., Atkinson, O., Ayers, S. F., Brian, A., Kim, I., Kim, J., Lehwald, H., Li, Y., Ressler, J., Sazama, D., & Wyant, J. (2021). Chapter 12. Physical education knowledge tests for secondary students. In E. Tsuda, P., Ward, & Y., He, (Eds.) *Test questions for pre-service teachers and students in physical education content* (pp. 104-165). Biblio Publishing.
16. Ward, P., & Tkacik, L. (2021). Chapter 11. Gymnastics. In E. Tsuda, E., P., Ward, P. & Y., He, Y. (Eds.). *Test questions for pre-service teachers and students in physical education content* (pp. 96-102). Biblio Publishing.
15. Atkinson, O., & Ward, P. (2021). Chapter 5. Soccer. In E. Tsuda, E., P., Ward, P. & Y., He, Y. (Eds.). *Test questions for pre-service teachers and students in physical education content* (pp. 36-46). Biblio Publishing.
14. Tsuda, E., Ward, P., & He, Y. (2021). Chapter 1. The process of test development. In E. Tsuda, E., P., Ward, P. & Y., He, Y. (Eds.). *Test questions for pre-service teachers and students in physical education content* (pp. 5-7). Biblio Publishing.
13. Ward, P., Parker, M., & Barnes, D. (2020). The innovation challenge: maintaining program standards and developing cohesion while developing and testing alternative designs in new kinds of schools. In MacPhail, A., & Lawson, H. (pp. 46-57). *Grand Challenges in physical education*. Routledge.
12. Lee, J., & Ward, P., (2020). Single subject research designs in adapted physical education. In Haegele, J., Hodge, S., & Shapiro, D. (Eds.), *Routledge Handbook of Adapted Physical Education* (pp. 197-212). *Handbook of Adapted Physical Education*, Routledge.
11. Ward, P., & Li, W. (2018). Play Practice. In *Curricular Models of Physical education*. Li, W., Wang, X., Ward, P., & Sutherland, S. (pp. 19-60). Beijing, China: Higher Education Publisher [Published in Chinese].

10. Ward, P., & Li, W., (2018). Sport Education. In *Curricular Models of Physical education*. Li, W., Wang, X., Ward, P., & Sutherland, S. (pp. 61-98). Beijing, China: Higher Education Publisher [Published in Chinese].
9. Ward, P., Goodway, J., Hodge, S., & Petosa, R. (2014). Chapter 5: *Deshane: Young, gifted and Black . . . and overcoming challenges*. In K. Armour (Ed.), *Pedagogical Cases in Physical Education and Youth Sport* (pp. 63-75). Routledge.
8. Ward, P. (2011). Goal setting and performance feedback in sport. J. Luiselli and D. Reed. (Eds.), *Behavioral Sport Psychology: Evidence-Based Approaches to Performance Enhancement* (pp. 99-112). Springer.
7. Ward, P. (2010). *Knowing content well enough to teach it: Re-conceptualizing physical activity content knowledge for physical education*. Congress Proceedings: International Sports Science Congress: Commemorating the 1988 Seoul Olympic Games. Korea (pp.126-133).
6. Ward, P. (2009) Content matters: Knowledge that alters teaching. In L. Housner, M. Metzler, P. Schempp and T. Templin. *Historic Traditions and Future Directions of Research on Teaching and Teacher Education in Physical Education*. (pp. 345-356) Fitness Information Technology.
5. Ward, P. (2006). The philosophy, science and application of behavior analysis in physical education. In D. Kirk., D. Macdonald, & M. O’Sullivan *The Handbook of Physical Education*. (pp. 3-21). Sage Publications.
4. Ward, P. (2005). Epistemology and the workplace: Considerations for the preparation of researchers in education. In P. Paul & C. Hancock (Eds.). *Essays on the Role and Nature of Research Within the Ph.D. Program in Education*. (pp. 205-222). The Ohio State University.
3. Ward, P. (2005). Preparing preservice teachers to teach sports: What critical skills and knowledge do they need to be successful. Congress Proceedings: 46th Anniversary ICHPER-SD World Congress-Istanbul, Turkey. (pp. 137-139).
2. Ince, L., Ward, P., Lee, M., Ang, J., & Lee, S. (2005). *Technology access, competency and attitude of physical education teachers*. Congress Proceedings: 46th Anniversary ICHPER-SD World Congress. pp. 266-268.
1. Ward, P., & Doutis, P. (2001). The changing context of educational settings in the 21st century. In P. Ward, & P. Doutis. (Eds.), *Physical education in the 21st century* (pp. 3-9). University of Nebraska Printing Services.

BULLETINS AND MANUALS

10. Xie X., & Ward, P. (2017). KNPE 4191: Coaching and physical activity specialist internship manual. The Ohio State University.
9. Dervent, F., Tsuda, E., Devrilmez, E., & Ward, P. (2016). *Content development coding assessment manual*. Version 2.0. <https://u.osu.edu/ltpc/>.
8. Barnes, D., & Ward, P. Columbus Public Schools. Carol M. White Physical Education for Progress Grant. *PEP STARS: Final Report*. US. Dept. of Education Award # 5999460.
7. Paul, P.V., Loeterman, M., Cook, L., Donahue, S., Wang, Y., & Ward, P. (2005). *Research on Edited Captions Final Report*. Boston, MA: The National Center for Accessible Media. US Dept. of Education Award #H327H000003-01.
6. Ward, P. (1988). *Level one coaches course – Conductor’s handbook*, Melbourne, Australia: Victorian Gymnastic Association Inc.
5. Ward, P. (1987). *Level two coaches’ course - Fieldwork projects*. Melbourne, Australia: Victorian Gymnastic Association Inc.

4. Ward, P. (1982). *Curriculum manual for P.W.G.A.* Brisbane, Australia: Author
3. Ward, P. (1982). *Women's recreation award scheme.* Brisbane, Australia: Author
2. Ward, P. (1982). *Men's recreation award scheme program.* Brisbane, Australia: Author
1. Ward, P. (1982). *Junior gymnastic program.* Brisbane, Australia: Author

POLICY DOCUMENTS

SHAPE America/ NAKHE. (2018). *Joint position statement from the Society of Health and Physical Educators (SHAPE) America and the National Association for Kinesiology in Higher Education (NAKHE) regarding student recruitment for Physical Education and Health Education Teacher Education programs.* Reston, VA: Author. [Ward, P., Andrews, K. A. R., Burt, D. Hersman, B., Lund, J., Razzano, K., Synder, S. & Hersl, C.]

Society of Health and Physical Educators (SHAPE), America and National Association for Kinesiology in Higher Education. (2018). *A snapshot of recruitment in health and physical education teacher education: Results from a national survey.* Reston, VA: SHAPE America. [Andrews, K. A. R., Ward, P., Burt, D. Hersman, B., Lund, J., Razzano, K., Synder, S. & Hersl, C.]

PEER REVIEWED JOURNAL ARTICLES

151. Cho, K., Ward, P., Chey, W.S. Tsuda, E., Atkinson, O., & Oh, D. (in press). An assessment of preservice teachers' volleyball content knowledge in physical education teacher education. *International Journal of Kinesiology in Higher Education*,

150. Vanluyten K., Cheng, S., Coolkens, R., Roure, C., Ward, P., Iserbyt, P. (in press). Using parkour to step up your elementary school curriculum. *Journal of Physical Education, Recreation & Dance.*

149. Metzler, M., O'Sullivan, M. Parker, M., Rink, J., Stroot, S., Tannehill, D., van der Mars, H., Ward, P. (in press). Daryl Siedentop's enduring legacy in PETE and D-PETE. *Quest.*

148. Ward, P., Ayvazo, S., & Iserbyt, P. (2022). Daryl Siedentop's epistemological lens, and his influence on the fields of physical education and teacher education. *Quest.*

147. Ward, P., Ayvazo, S., Dervent, F., Iserbyt, P., Kim, I. (2022). Scholarship and epistemology: A Response to Backman and Barker. *Quest,*

146. Ward, P., Dervent, F., Kim, I., Ko, B., Xie, X., Tsuda, E., Santiago, J., Iserbyt, P., & Devrilmez, E., (2022). Faculty perspectives using practice-based teacher education in physical education. *Journal of Teaching in Physical Education.* <https://doi.org/10.1123/jtpe.2022-0018>

145. Chey, W. S., Ward, P., Tsuda, E., Cho, K. Atkinson, O., & Oh, D. (2022). Evaluating the content knowledge in badminton of preservice physical education teachers: A case study. *Journal of Physical Education and Sports Studies.*14(2), 90-104.

144. Ward, P., Dervent, F., Devrilmez, E., Iserbyt, P., Kim, I., Ko. B., Sanitago, J., Tsuda, E., Xiuye, X. (2022). Practice-based teacher education in physical education, *Journal of Teaching in Physical Education.* <https://doi.org/10.1123/jtpe.2022-0047>.

143. Vanluyten, K., Roure, C., Ward, P., & Iserbyt, P. (2022/June) Construire unerelation privilegie entre les apprentissages et l'activit physique. *L' education physique en mouvement. Revue professionnell en Ligne.* 7, 23-25. Building a privileged relationship between learning and physical activity. *Physical education in motion. Online professional journal,* 7, 23-25.

142. Ward, P., Chey, W., Cho, K. (2022). Evaluating the content knowledge of preservice physical education teachers. *Journal of Teaching in Physical Education.* <https://doi.org/10.1123/jtpe.2021-0291>

- 141.** Tsuda, E., Ward, P., Atkinson, O. J., He, Y., & Sazama, D. (2022). Establishing the validity of a test of common content knowledge for soccer. *International Journal of Kinesiology in Higher Education*. doi.org/10.1080/24711616.2022.2034490
- 140.** Dervent, F., Kurucan, A., Devrilmez, E., & Ward, P. (2022). Relationships between university instructors' and preservice teachers' content knowledge. *European Physical Education Review*. DOI: 10.1177/1356336X211072489
- 139.** Ward, P., & Snyder, S. (2022). Core practices for preservice teachers in health education teacher education. *Journal of Physical Education, Recreation and Dance*. 93(9) 21-25. DOI: 10.1080/07303084.2022.2120130
- 138.** Chey, W., Trainer, S., & Ward, P. (2022). Understanding and learning to do teacher education in an introductory methods course. *Quest*, 74(1), 17-36. DOI: 10.1080/00336297.2021.2003830.
- 137.** Tsuda, E., Ward, P., Ressler, J., Wyant, J., He, Y., Kim, I., & Santiago, J. (2022). Basketball common content knowledge instrument validation. *International Journal of Kinesiology in Higher Education*.
- 136.** Ward, P., Kim, I., Li, W., Ko, B., Iserbyt, P., Sinelnikov, O., & Curtner-Smith, M. (2022). The role of content knowledge in influencing student physical activity, on-task behavior and skilled performance. *Research Quarterly for Exercise and Sport*. DOI: 10.1080/02701367.2021.1979186
- 135.** Xie, X., Ward, P., Chey, W., Dillion, L., & Trainer, S. & Cho, K. (2022). Developing preservice teachers' adaptive competence using repeated rehearsals, opportunities to reflect and lesson plan modifications *Journal of Teaching in Physical Education*. 4, 553-561. <https://doi.org/10.1123/jtpe.2021-0093>
- 134.** Tsuda, E., Ward, P., Sazama, D., He, Y., Ko, B., Santiago, J., & Xie, X. (2022). Validating the volleyball common content knowledge test. *The Physical Educator*. 79, 569-585.
- 133.** Cheng, S., Coolkens, R., Ward, P., Iserbyt, P. (2022). Generalization from physical education to recess during an elementary sport education season. *Journal of Teaching in Physical Education*. 41, 492-501.
- 132.** Ward, P., Ayvazo, S., Dervent, F., Iserbyt, P., Kim, I. (2022). Correcting the record: A response to Backman and Barker. *Quest*.
- 131.** He, Y., Ward, P., Zan X., & Yang, G. (2022). Examining common and specialized soccer content knowledge and demographic variables of Chinese physical education teacher. *Journal of Teaching in Physical Education*, 41(1), 22-31. doi.org/10.1123/jtpe.2019-0159.
- 130.** Ward, P., Devrilmez, E., Ayvazo, S., Dervent, F., He, Y., Iserbyt, P., Ince, L., Kim, I., Ko, B., Li W., & Tsuda, E. (2021). A transnational research collaboration: A social network analysis and perspectives on our community of practice. *Quest*, 73(4,) 342-356.
- 129.** Ward, P., Lawson, H., van der Mars, H., & Mitchell, M. (2021). Chapter 1: 21st Century Physical Education in the United States: Introduction to the Special Issue. *Journal of Teaching in Physical Education*. 40, 345-352. <https://doi.org/10.1123/jtpe.2020-0239>
- 128.** van der Mars, H., Lawson, H., Mitchell, M & Ward, P. (2021). Chapter 2: Reversing Policy Neglect in U.S. Physical Education: A Policy-Focused Primer. *Journal of Teaching in Physical Education*, 40, 353-362. <https://doi.org/10.1123/jtpe.2020-0240>.
- 127.** Ward, P., van der Mars, H., & Mitchell, M. & Lawson, H. (2021). Chapter 3: PK-12 School Physical Education: Conditions, Lessons Learned, and Future Directions. *Journal of Teaching in Physical Education*, 40, 363-371. <https://doi.org/10.1123/jtpe.2020-0241>.
- 126.** Ward, P., Mitchell, M., Lawson, H., & van der Mars, H. (2021). Chapter 4: Physical Education Teacher Education initial certification: Meeting the challenges. *Journal of Teaching in Physical Education*, 40, 372-381. <https://doi.org/10.1123/jtpe.2020-0242>.

- 125.** Mitchell, M., Lawson, H., van der Mars, H., & Ward, P. (2021). Chapter 6: Doctoral Programs and Faculty Roles in Preparing Graduates For Physical Education Teacher Education. *Journal of Teaching in Physical Education*, 40, 392-401.
- 124.** Lawson, Jones, E., Beddoes, Z., Estes, S., Morris, S., H., Mitchell, M., van der Mars, H., & Ward, P. (2021). Chapter 8: Collective action for learning, improvement and redesign. *Journal of Teaching in Physical Education*, 40, 412-422. <https://doi.org/10.1123/jtpe.2020-0246>.
- 123.** Mitchell, M. Lawson, H., van der Mars, H., & Ward, P. (2021). Chapter 9: Toward an Uncertain Future: Unity with Diversity. *Journal of Teaching in Physical Education*, 40, 423-430.
- 122.** Tsuda, E., Ward, P., Dervent, F., & Iserbyt, P. (2022) Teaching sports in physical education. *Journal of Physical Education, Recreation and Dance*. 93(1), 8-13. doi 10.1080/07303084.2021.2000530
- 121.** Tsuda, E., Ward, P., Kim, J., He, Y., Sazama, D., & Brian, A. (2021). The tennis common content knowledge measure validation. *European Physical Education Review* <https://doi.org/10.1177/1356336X20982629>
- 120.** Ward, P., Ayvazo, S., Dervent, F., Iserbyt, P., Kim, I., & Li, W. (2021). Skill analysis for teachers: considerations for physical education teacher education. *Journal of Physical Education, Recreation and Dance*. 92, 15-21
- 119.** Tsuda, E., Ward, P., & Goodway, J. (2021). Effects of a content knowledge intervention on instruction and learning: A pilot study. *The Physical Educator*, 78, 273-297.
- 118.** Xie, X., Ward, P. Atkinson, O., Cho, K., Kim, M. Li, Y., & Oh. D. (2021). Preservice physical education teacher's development of adaptive competence. *Journal of Teaching in Physical Education*. 40, 538-546. <https://doi.org/10.1123/jtpe.2019-0198>
- 117.** Kim, I., & Ward, P. (2021). Changes in the content development and adaptive competence of teachers following a specialized content knowledge workshop. *Journal of Teaching in Physical Education*, 40, 626-634. doi.org/10.1123/jtpe.2020-0082
- 116.** Ward, P. (2021). Core practices for teaching physical education: Recommendations for teacher education. *Journal of Teaching in Physical Education*.40, 98-108. <https://doi.org/10.1123/jtpe.2019-0114>.
- 115.** Ward, P., Ayvazo, S., Dervent, F., Iserbyt, P., & Kim, I. (2020). Instructional progression and the role of working models in physical education, *Quest*, 72 ,410-429.
- 114.** Chang, S.H., Ward, P., & Goodway, J.D. (2020). The effect of a content knowledge teacher professional workshop on enacted pedagogical content knowledge and student learning in a throwing unit. *Physical Education and Sport Pedagogy*, doi: 10.1080/17408989.2020.1743252
- 113.** Ward, P., & Cho, K. (2020). Five Trends in physical education teacher education. *Journal of Physical Education, Recreation and Dance*. 91(6), 16-20.
- 112.** Dervent, F., Ward, P., Devrilmez, E., & Ince M. L. (2020). A national analysis of the content knowledge of Turkish physical education teacher education students, *Physical Education and Sport Pedagogy*, 25, 613-628.
- 111.** Ward, P., Higginson, K., & Cho, K. (2020). Core practices for preservice teachers in physical education teacher education. *Journal of Physical Education, Recreation and Dance*. 91(5), 37-42.
- 110.** Ward, P. & van der Mars, H. (2020). Confronting the challenge of continuous professional development for physical education teacher educators. *Journal of Physical Education, Recreation and Dance*. 91(1), 7-13.
- 109.** Iserbyt, P., Coolkens, R., Looockx, J., Vanluyten, K., Martens, J., & Ward, P. (2020). Task adaptations as a function of content knowledge: A functional analysis. *Research Quarterly for Exercise and Sport*. 91, 539-550
- 108.** Tsuda, E., Ward, P., Ohnishi, Y., & Yoshino, S. (2019). Japanese physical education preservice

teachers' specialized content knowledge. *International Journal of Sport and Health Science*. 17, 186-196.

107. Tsuda, E., Ward, P., Yoshino, S., Ogiwara, T., He, Y., & Ohnishi, Y. (2019). Validity and reliability of a volleyball common content knowledge test for Japanese physical education preservice teachers. *International Journal of Sport and Health Science*. 17, 178-185.

106. Tsuda, E. & Ward, P. (2019). A knowledge packet for teaching badminton to upper elementary students. *Journal of Physical Education, Recreation and Dance*. 90, 42-49.

105. Tsuda, E., Ward, P., Li, Y., & Higginson, K. (2019). Content Knowledge Acquisition in Physical Education: Evidence from knowing and performing by majors and nonmajors. *Journal of Teaching in Physical Education*. 38, 221-232.

104. Ward, P. (2019). The teacher pipeline for PETE: Context, pressure points and responses. *Journal of Teaching in Physical Education*. 38, 4-13.

103. Devrilmez E., Dervent, F., Ince, L., & Ward, P. (2019). A test of common content knowledge for gymnastics. *European Review of Physical Education*, 25(2), 512-523.

102. Coolkens R., Ward, P., Seghers, J., & Iserbyt, P. (2018). Effects of generalization of engagement in parkour from physical education to recess on physical activity. *Research Quarterly for Exercise and Sport*, 89, 429-439. doi: 10.1080/02701367.2018.1521912

101. Coolkens, R., Ward, P., Seghers J., & Iserbyt, P. (2018). The effect of organized versus supervised intramurals on elementary school children's physical activity, social relations, and play during recess: a cluster randomized controlled trial. *Journal of Physical Activity and Health*. 15, 747-754.
<https://doi.org/10.1123/jpah.2017-0591>

100. Dervent, F., Ward, P. Devrilmez, E., & Tsuda, E. (2018). Transfer of content development across practica in physical education teacher education. *Journal of Teaching in Physical Education*. 37, 330-339.
<https://doi.org/10.1123/jtpe.2017-0150>

99. Tsuda, E., Ward, P. & Goodway, J. (2018). Defining tennis content in upper elementary physical education. *Journal of Physical Education, Recreation and Dance*. 89, 33-41.

98. He, Y., Ward, P., & Wang, X. (2018). Validation of a common content knowledge test for soccer. *Journal of Teaching in Physical Education*. 37, 407-412. doi: 10.1123/jtpe.2017-0204

97. Ward, P., Chen, Y., Higginson, K., & Xie, X. (2018). Teaching rehearsals and repeated teaching: practiced-based physical education teacher education pedagogies. *Journal of Physical Education, Recreation and Dance*. 89, 20-25.

96. Dervent, F., Devrilmez, E., Ince, M.L., Ward, P. (2018). Beden Eğitimi Öğretmenleri için Futbol Genel Alan Bilgisi Bilgi Erişi Testinin Güvenilirlik ve Geçerliliği (Reliability and validity of a football common content knowledge test for physical education teachers) *Spor Bilimleri Dergisi (Hacettepe Journal of Sport Sciences)*. 29(1), 39-52.

95. Lee, H., Ko, B., Ward, P., Lee, T., Higginson, K., He, Y., & Lee, Y (2018). Development and validation of common content knowledge test for soccer. *Korean Journal of Sports Science*, 4, 650-659.

94. Higginson, K., & Ward, P. (2018). Do this, not that: Important pedagogies for secondary school physical education teachers. *Journal of Physical Education, Recreation and Dance*. 89, 23-27.

93. Kim, I. Ward, P., Sinelnikov, O., Ko, B., Iserbyt, P., Li, W., & Curtner-Smith, M. (2018). The influence of content knowledge on pedagogical content knowledge: An evidence-based practice for physical education. *Journal of Teaching in Physical Education*, 37, 133-143.

92. Ward, P., Piltz, W., & Lehwald, H. (2018). Unpacking games teaching: What do teachers need to know? *Journal of Physical Education, Recreation and Dance*. 89(4), 39-44.

91. Ward, P., He, Y., Wang, X., & Li, W. (2018). Chinese secondary physical education teacher's depth of specialized content knowledge in soccer. *Journal of Teaching in Physical Education*. 37, 101-112.

- 90.** Ward, P., Tsuda, E., Dervent, F., & Devrilmez, E. (2018). Differences in the content knowledge of those taught to teach and those taught to play. *Journal of Teaching in Physical Education*, 37, 59-68.
- 89.** Ward, P., Dervent, F., Lee, Y-S, Ko, B., Kim, I. & Tao, W. (2017). Using content maps to measure content development in physical education: Validation and application. *Journal of Teaching in Physical Education*, 36, 20-31.
- 88.** Iserbyt, P., Ward, P., & Li, W. (2017). Effects of improved content knowledge on pedagogical content knowledge and student performance in physical education. *Physical Education and Sport Pedagogy*, 21, 539-556.
- 87.** Iserbyt, P. Theys, L., Ward, P., & Charlier, N. (2017). The effect of a specialized content knowledge workshop on teaching and learning Basic Life Support in elementary school: a cluster randomized controlled trial. *Resuscitation*, 112, 17-21.
- 86.** Ward, P., & Ayvazo, S. (2016). Pedagogical content knowledge: Conceptions and findings in physical education. *Journal of Teaching in Physical Education*, 35, 194-207.
- 85.** Ward, P. (2016). Policies, agendas and practices influencing doctoral education in physical education teacher education, *Quest*, 68, 420-439.
- 84.** Ward, P. Wang, X. Z., & He, Y. H. (2016). Thinking differently for big results: Get your class organized. *Teaching of Physical Education*. 36(6), 57-58 [Published in Chinese]
- 83.** Ward, P. Wang, X. Z., & He, Y. H. (2016). Thinking differently for big results: Get your class learning. *Teaching of Physical Education*. 36(5), 48-52. [Published in Chinese]
- 82.** Ward, P., Wang, X. Z., & He, Y. H. (2016). Thinking differently for big results: Get your class moving. *Teaching of Physical Education*. 36(4), 35-36. [Published in Chinese] (<http://www.tjyx.net.cn/ch/index.aspx>)
- 81.** Sinelnikov, O., Kim, I., Ward, P., Curtner-Smith, M., & Li, W. (2016). Changing beginning teachers' content knowledge and its effect on student learning. *Physical Education and Sport Pedagogy*, 21, 425-440.
- 80.** Iserbyt, P., Ward, P., & Martens, L. (2016). The influence of content knowledge on teaching and learning in traditional and sport education contexts: An exploratory study. *Physical Education and Sport Pedagogy*. 21, 539-556.
- 79.** Lapham S., Cohen D., Han B., Williamson S., Evenson, K., McKenzie T., Hillier, A., & Ward, P. (2015). How important is perception of safety to park use? A four-city survey *Urban Studies*. 1-13: doi: 10.1177/0042098015592822
- 78.** Ward, P., Lehwald, H., & Lee, Y.S. (2015). Content maps: A teaching and assessment tool for content knowledge. *Journal of Physical Education, Recreation and Dance*. 86(5), 46-54.
- 77.** Ward, P. van der Mars, H., Graber, K. (2015). Invited paper: Writing quality peer reviews of research manuscripts *Journal of Teaching in Physical Education* 34, 700–715.
- 76.** Kim, I., Lee, Y. S. Ward, P., & Li, W. (2015). A critical examination of content knowledge courses in physical education teacher education programs. *Journal of Teaching in Physical Education*. 34, 59-75.
- 75.** Ward, P. Kim, I., Ko, B., & Li, W. (2015). Effects of improving teachers' content knowledge on teaching and student learning in physical education. *Research Quarterly for Exercise and Sport*, 86, 130-139. doi: 10.1080/02701367.2014.987908
- 74.** Ward, P. (2014, Invited paper). A response to the conversations on effective teaching in physical education. *Research Quarterly for Exercise and Sport*, 85, 293-296.
- 73.** Ward, P., Ayvazo, S., & Lehwald, H. (2014). Using knowledge packets in teacher education to develop pedagogical content knowledge. *Journal of Physical Education, Recreation and Dance*. 85(6), 38-43, doi: 10.1080/07303084.2014.926843.

72. Brian, A., Ward, P., Goodway, J. & Sutherland, S. (2014). Modifying *softball for maximizing learning outcomes in physical education*. *Journal of Physical Education, Recreation and Dance*. 85(2), 32-37. doi: <http://dx.doi.org/10.1080/07303084.2014.866830>.
71. Ward P. (2013). The role of content knowledge in conceptions of teaching effectiveness in physical education. *Research Quarterly for Exercise and Sport*. 84, 431-440.
70. Ward P, McKenzie T. L., Cohen, D, Evenson, K. R, Golinelli, D., Hillier, A., et al. (2013). Physical activity surveillance in parks using direct observation. *Preventing Chronic Disease*. 10, 130-147. doi: <http://dx.doi.org/10.5888/pcd10.130147>.
69. Cohen, D., Lapham, S., Evenson, K., Williamson, S., Golinelli, D., Ward, P., Hillier, A., McKenzie, T. (2013). Use of neighborhood parks: Does socioeconomic status matter? A four city study. *Public Health*. 127, 325-332.
68. Shephard, K., Parker, M., Ward, P., van der Mars, H. (2013). Strengthening PETE Doctoral Programs: An intellectual commons and forum for faculty and students. *Journal of Physical Education, Recreation and Dance*. 84(1), 3-4
67. Ward, P., Li, W., Kim, I & Lee Y-S. (2012). Content knowledge courses in physical education programs in South Korea and Ohio. *International Journal of Human Movement Science*, 6, 107-120.
66. Zhang, P, Ward, P., Li, W., Sutherland, S., & Goodway, J. (2012). Effects of play practice on teaching table tennis skills. *Journal of Teaching Physical Education*, 31, 71-85.
65. Stuhr, P., Sutherland, S., & Ward, P. (2012). Lived-positive emotionality in elementary physical education. *Pedagogies: An International Journal*. 7, 165-181
64. Ayvazo, S., & Ward, P. (2011). Pedagogical content knowledge of experienced teachers in physical education: Functional Analysis of Adaptations. *Research Quarterly for Exercise and Sport*. 82, 675-684.
63. Cohen, D. Setodji C., Evenson K., Ward P., Lapham S., Hillier A., & McKenzie T. (2011). How much observation is enough? Refining the Administration of SOPARC. *Journal of Physical Activity and Health*. 8, 117-1123.
62. Stuhr, P., Sutherland, S., Ward, P. (2011). Care enacted by two elementary physical education teachers and their students. *International Journal of Human Movement Science*, 5(1), 5-28.
61. Ward, P., Sutherland, S., Woods. M., Boyce, A., Gop-Karp, G., Judd, M., Parker, M., Rikard, L., Sinclair. C. (2011). The Doctorate in physical education teacher education in the 21st Century: Context and challenges *Journal of Teaching Physical Education*. 30, 178-188.
60. Parker, M., Sutherland, S., & Sinclair C., & Ward, P. (2011). Not surprised, but concerned: The professoriate's reaction to PETE doctoral education in the U.S. *Journal of Teaching Physical Education*. 30, 157-177.
59. Ward, P., Parker, M., Sutherland, S., & Sinclair. C. (2011). A critical examination of the curriculum of physical education teacher education doctoral programs. *Journal of Teaching Physical Education*. 30, 145-156.
58. Rikard, L., Boyce, A., Ward., P. M., Parker, Gop-Karp, G., & Sutherland, S. (2011). Introduction and Overview: A multifaceted examination of the status of PETE doctoral education in the U.S. *Journal of Teaching Physical Education*, 30, 99-102.
57. Ward, P. (2011). The future direction of physical education teacher education: It's all in the details. *Japanese Journal of Sport Education Studies*, 30(2), 63-72.
56. Ayvazo, S., & Ward, P. (2010). Assessment of classwide peer tutoring for students with Autism as an inclusion strategy in physical education. *Palaestra*, 25 (1), 5-7.
55. Ayvazo, S., Ward, P., Stuhr, P. (2010). Teaching and assessing Content knowledge in preservice physical education. *Journal of Physical Education Recreation and Dance*, 81(4). 40-44.

54. Ward P., (2010). Teacher worksample methodology. *Journal of Physical Education, Recreation and Dance*. 81(1), 33.
53. Ayvazo, S., & Ward, P. (2009). Effects of classwide peer tutoring on the performance of sixth grade students during a volleyball unit. *The Physical Educator*. 66(1), 12-23.
52. Vidoni, C., & Ward, P. (2009). Effects of fair play instruction on student social skills during a middle school sport education unit. *Physical Education and Sport Pedagogy*. 14, 285-310.
51. Smith, R., Ward, P., Neto, M., & Zhang, P. (2009). Practice behaviors of youth soccer players. *The Physical Educator*, 66(1), 2-11.
50. Lee, M-A., & Ward, P. (2009). Generalization of tactics in tag rugby from practice to games in middle school physical education. *Physical Education and Sport Pedagogy*. 14, 189-207.
49. Ward, P., Goodway, J., Lee, M-A., Wallhead, T. L., & Nye, S. (2007) Technology use in physical education: Unique strategies for our subject area. *Future Focus*. 28(2). 22-26.
48. Sutherland, S., & Ward, P. (2007). How to foster a positive, caring and respectful environment for all students. *Future Focus*, 28(1), 21-24.
47. Ward, P., Wang, Y, Paul, P & Loeterman, M. (2007) Near verbatim versus edited captioning for students who are deaf or hard of hearing: A preliminary investigation of effects on comprehension. *American Annals of the Deaf*. 152(1), 585-594
46. Ward, P. (2006). What we teach is as important as how we teach it. *Journal of Physical Education, Health, Recreation and Dance*. 77(8), 23-24.
45. Smith, S., & Ward, P. (2006). Behavioral interventions to improve performance in Collegiate Football. *Journal of Applied Behavior Analysis*. 39, 385-391.
44. Deglau, D. Ward, P., O'Sullivan, M., & Bush, K. (2006). Professional dialogue as professional development. *Journal of Teaching Physical Education*. 25, 413-427
43. Ince, L., Ward, P., Lee, M., & Goodway, J. (2006). Effects of professional development on the technological competency and attitudes toward the use of technology of urban physical education teachers *Journal of Teaching Physical Education*, 25, 397-412.
42. Ko, B., Wallhead, T., & Ward, P., (2006). Professional development workshops what do teachers learn and use. *Journal of Teaching Physical Education*, 25, 397-412.
41. Ward, P., & O'Sullivan (2006). The contexts of urban settings. *Journal of Teaching Physical Education*. 25, 348-363.
40. Ayvazo, S., & Ward, P. (2006) Classwide Peer tutoring in physical education: Assessing its effects as an inclusion strategy with kindergartners with autism. *Adapted Physical Education Quarterly*, 23, 233-244.
39. Ward, P., & Ko, B. (2006). Publication Trends in the Journal of Teaching in Physical Education 1981-2003. *Journal of Teaching in Physical Education*. 25, 266-280.
38. Vidoni, C., & Ward, P. (2006). Effects of a dependent group-oriented contingency on middle school physical education students fair play behaviors. *Journal of Teaching in Physical Education*. 15, 81-92.
37. Holt, J. E., Ward, P., & Wallhead, T. L. (2006). The transfer of learning from play practices to game play in young adult soccer players. *Physical Education and Sport Pedagogy*. 11, 101-118.
36. Ward, P. & Lee, M-A. (2005). Peer assisted learning in physical education: A review of theory and research. *Journal of Teaching Physical Education*. 24, 205-225.
35. Grissom, T., Ward, P., Martin, B., & Leenders, N. (2005) An assessment of physical activity in physical education lessons with and without heart rate monitors to prompt physical activity. *Family and Community Health*, 28, 125-129.

34. Goodway, J. D., Crowe, H., Ward, P. (2003). Effects of motor skill instruction on fundamental motor skill development of hispanic preschool children who are at risk of developmental delay *Adapted Physical Education Quarterly*, 20, 298-314.
33. Leenders, N., Sherman, W. M., & Ward, P. (2003). College physical activity courses: Why do students enroll and what are their health behaviors? *Research Quarterly for Exercise and Sport*, 74, 313-318.
32. Ward, P., & Barrett, T. (2002). A review of behavior analysis research in physical education. *Journal of Teaching Physical Education*, 21, 242-266.
31. Ward, P., & Carnes, M. (2002). Effects of self-set goals and public posting on the performance of collegiate football players during practice and games. *Journal of Applied Behavior Analysis*, 35, 1-12
30. Brobst, B., & Ward, P. (2002). Effects of public posting, goal setting, and oral feedback on the skills of female soccer players. *Journal of Applied Behavior Analysis*, 35, 247-257.
29. Ah Lee, M., & Ward, P. (2002). Peer tutoring: Student centered learning in physical education for the 21st Century *Teaching Elementary Physical Education*, 13(4), 16-17.
28. Ward, P. (2001). Curriculum decision making in an age of responsibility and accountability: Who wants to be a physical education teacher? *Teaching Elementary Physical Education*. 12(2), 7-9.
27. Johnson, M., & Ward, P. (2001). Effects of Classwide Peer Tutoring on Correct Performance of Striking Skills in 3rd grade Physical Education. *Journal of Teaching in Physical Education*, 20, 247-263.
26. Ward, P. (1999). An Introduction the Saber-tooth Project [Monograph]. *Journal of Teaching in Physical Education*, 18, 379-381.
25. Ward, P., & Douthis, P. (1999). Toward a consolidation of the knowledge base for reform in physical education [Monograph]. *Journal of Teaching in Physical Education*, 18, 382-402.
24. Ward, P. (1999). Design of the Saber-tooth Project [Monograph]. *Journal of Teaching in Physical Education*, 18, 403-416.
23. Douthis, P., & Ward, P. (1999). Teachers' and administrators' perceptions of the Saber-tooth Project reform and of their changing workplace conditions [Monograph]. *Journal of Teaching in Physical Education*, 18, 417-427.
22. Ward, P., Barrett, T. Evans, S., Douthis, P., Nguyen, P., & Johnson, M. (1999). Curriculum effects in eighth-grade lacrosse [Monograph]. *Journal of Teaching in Physical Education*, 18, 428-443.
21. Ward, P., Douthis, P., & Evans, S. (1999). Lessons, conclusions and implications of the Saber-tooth Project [Monograph]. *Journal of Teaching in Physical Education*, 18, 455-463.
20. Galvan, Z. J., & Ward, P. (1998). Effects of public posting on inappropriate on-court behaviors by collegiate tennis players. *The Sport Psychologist*, 12, 419-426.
19. Ward, P., Johnson, M., & Konukman, F. (1998). Directed rehearsal and preservice teachers performance of instructional behaviors. *Journal of Behavioral Education*. 8, 369-380.
18. Jones, D. L. & Ward, P. (1998). Sport education: Another alternative for secondary physical education programs. *Journal of Physical Education, Recreation and Dance*. 69, 40-45.
17. Ward, P., Smith, S. L., Makasci, K., & Crouch, D. W. (1998). Differential effects of peer-mediated accountability on task accomplishment in elementary physical education *Journal of Teaching in Physical Education*. 17, 442-452.
16. Ward, P., Crouch, D. W., & Patrick, C. A. (1998). Effects of peer-mediated accountability on opportunities to respond and correct skill performance by elementary school children in physical education. *Journal of Behavioral Education*. 8, 103-114.
15. Patrick, C. A., Ward, P., & Crouch, D. W. (1998). Effects of holding students accountable for social behaviors during volleyball games in elementary physical education. *Journal of Teaching in Physical*

Education. 17, 143-156.

14. Ward, P., & O'Sullivan, M. (1998). Similarities and differences in pedagogy and content: five years later. *Journal of Teaching in Physical Education. 17, 195-213.*
13. Ward, P., Smith, S., & Makasci, K. (1997). Teacher training: Effects of directed rehearsal on the teaching skills of physical education majors. *Journal of Behavioral Education. 7, 505-517.*
12. Crouch, D. W., Ward, P., & Patrick, C. A. (1997). The effects of peer-mediated accountability on task accomplishment during volleyball drills in elementary physical education. *Journal of Teaching in Physical Education. 17, 26-39.*
11. Ward, P., Smith, S., & Sharpe, T. (1997). The effects of accountability on task accomplishment in collegiate football. *Journal of Teaching in Physical Education. 17, 40-51.*
10. Ward, P., Johnson, L. A., Ward, M. C., & Jones, D. L. (1997). Comparison of the effects of formal and informal accountability on the task accomplishment of a lifeguard rescue. *Journal of Behavioral Education, 7, 359-371.*
9. Ward P., Johnson, L. A., Mulligan, N. W., Ward, M. C., & Jones, D. L. (1997). Improving cardiopulmonary skills retention: Effect of two checklists designed to prompt correct performance. *Resuscitation, 34, 221-225.*
8. Ward, P., & Ward, M. C. (1996). The effects of classwide peer tutoring on correct cardiopulmonary resuscitation performance by physical education majors. *Journal of Behavioral Education, 6, 331-342.*
7. Ward, P., & Dunaway, S. (1995). The effects of contingent music on laps run in a high school physical education class. *The Physical Educator, 52, 2-7.*
6. Ward, P. (1995). A response to "The negative effects of positive reinforcement in teaching children with developmental delays." *Exceptional Children, 61, 489-492.*
5. Siedentop, D., Doutis, P., Tsangaridou, N., Ward, P., & Rauschenbach, J. (1994). Don't Sweat Gym: An analysis of curriculum and instruction. *Journal of Teaching in Physical Education, 13, 375-394.*
4. Ward, P. (1993). Theory into practice: Training coaches in the field. *The Coaching Director, 7(2), 30-35.*
3. Ward, P., Cull, M. C., Sweeney, W. J., & Drevno, G. E. (1992). Teaching throwing: Precision teaching in physical education. *Journal of Precision Teaching, 10(1), 16-21.*
2. Cull, M., Ward, P., Sweeney, W. J., & Drevno, G. E. (1992). Seven successive Saturdays. *Journal of Precision Teaching, 10(1), 10-15.*
1. Ward, P. (1992). Monitoring performance: It's all in the data. *Strategies, 6 (1), 20-24.*

EDITOR REVIEWED JOURNAL ARTICLES:

- Ward, P., & Smith, S. (1998). Improving player performance in practice and in games using public posting. *Gridiron Coach, 8, 6-8.*
- Ward, P. (1990). The use of trampolines and mini -trampolines in physical education. *Australian Council for Health, Physical Education, and Recreation (Victorian Branch) Newsletter, 4, 18.*
- Ward, P. (1990). The downhill salto on women's uneven bars. *Gymnastic Coach, 8(4), 14-17.*
- Ward, P. (1990). The forward salto. *Gymnastic Coach, 8(4), 18-20.*
- Ward, P. (1990). The handspring full twist. *Gymnastic Coach, 8(4), 21-23.*
- Ward, P. (1985). Legal responsibility in gymnastics. *Gymnastique, 2(2), 2-3.*

Ward, P. (1984). The profile somersault for all backward rotating somersaults used in Tumbling. *Gymnastique, 1*(2), 1-2.

REVIEWS

Ward, P. (2017). Review of *Positive Behavior Management in Physical Activity Settings, with Web Resources. Adapted Physical Activity Quarterly, 34*, 91-92.

ABSTRACTS

- Madou, T., Depaepe, F., Ward, P., Iserbyt, P. (2022). The Effect of Specialized Content Knowledge in Reciprocal Peer Learning. [Abstract]. *Research Quarterly for Exercise and Sport, 93*, A107-A108.
- Cheng, S., Vanluyten, K., Seghers, J., Ward, P., Iserbyt, P. (2022). Generalization of participation in parkour from physical education to recess: analysis of skill trials. [Abstract]. *Research Quarterly for Exercise and Sport, 93*, A49-A50.
- Vanluyten, K., Cheng, S., Roure, C., Ward, P., Iserbyt, P. (2022). The effect of teachers' physical activity promotion on children's participation and physical activity in a recess program in elementary schools. *Research Quarterly for Exercise and Sport, 93*, (A63-A63).
- Kim, I., & Ward, P. (2021). Content development as a function of content knowledge in teaching badminton. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 92*:Axv.
- Madou, T., Depaepe, F., Ward, P., & Iserbyt, P. (2021). Student content knowledge in reciprocal peer learning [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 92*:Axiv.
- Ko. B., Kim. I., Lee, H., Ward, P., & Kwak, J. (2021). Examining common content knowledge of Korean preservice teachers in soccer. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 92*:Axv.
- Cheng, S., Coolkens, R., Ward, P., & Iserbyt, P. (2021). Generalization from physical education to recess during sport education season institution. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 92*:Axv.
- Kim, I & Ward, P. (2020). Content development as a function of content knowledge in teaching badminton. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 91*:A2. (conference cancelled).
- Madou, T., Ward, P., Depaepe, F., & Iserbyt, P. (2020). The Effect of Student Content Knowledge and Tutor Training on Verbal Behavior During Peer Learning. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 91*:A2. (conference cancelled).
- He, Y., Wang, X., Ward, P. Kong, L & He L., (2020). Investigating the Content knowledge of Chinese Preservice Physical Education Teachers. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 91*:A2. (conference cancelled).
- Ward, P. (2020). Researchers Don't Bite – Strategies for Conducting Quality Field-Based Research[Abstract]. *Research Quarterly for Exercise and Sport Supplement, 91*:A2. (conference cancelled).
- Tsuda, E., Ward, P., Yoshino, Y., Ogiwara, T., & He Y. (2020). Validity and Reliability of a Volleyball Common Content Knowledge Test. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 91*:A148. (conference cancelled).
- Dervent, F., Devrilmez, E., & Ward, P. (2019). Content knowledge derived from physical education teacher education programs [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 90*:A3.
- Wang, X., He, Y., Ward, P., (2019). A cross-sectional study of the changes in content knowledge from freshmen to juniors in China. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 90*:A3.

- Lee, H. J., Lee, H., Ko, B., Kim, I., Ward, O., Cho, K., & Kim, M. (2019). Korean teacher candidates' specialized content knowledge for teaching soccer. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A4.
- Tsuda, E., Ward, P., Ohnishi, Y., & Yoshino, S. (2019) Japanese physical education majors' specialized content knowledge. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A4.
- Lee, H., Lee, T., Kwak, J., Ko, B., He, Y., Higginson, K., & Ward, P. (2019). Development and validation of common content knowledge test of soccer [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A145.
- Tsuda, E., Ward, P., Higginson, K., Li, Y., Cho, K., & Su, J. (2019) Impact of preservice teachers' learning history on content knowledge. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A156.
- He, Y., Wang, X., Ward, P., Yang, Y. (2019). Validation of a soccer performance test for physical education teachers [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A170.
- Cooklens, R., Seghers, J., Iserbyt, P., & Ward, P. (2019) Schoolchildren's physical activity through supervised and organized recess [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A70.
- Li, X., Wang, X., Guo, N., Chen, W., & Ward, P. (2019). The association of students' fitness, attention, and academic achievement. recess [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 90:A94.
- Wang, X., He, Y., Yang, G., & Ward, P. (2018). Investigating the common content knowledge of Chinese physical education teachers. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A188.
- Wang, X., Li, X., Chen, W., & Ward, P. (2018). Effectiveness of breacktime physical activity on students' attention. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A106.
- He, Y., Ward, P., Wang, X., & Yang, G. (2018). Associations between common content knowledge and specialized content knowledge. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A208.
- Dervent, F., Ward, P., Devrilmez E., & Tsuda E. (2018). Transfer of content development across practicums in physical education teacher education. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A1.
- Tsuda, E., Ward, P., Higginson, K., Cho, K., Li, Y., Goodway, J., Park S-Y., Oh, D., Erhan, E. (2018). Impact of teacher training on enacted teaching and student learning. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A209-210.
- Higginson, K., Ward, P., Tsuda, E., Cho, K., He, Y., & Su, J. (2018). Group differences in knowing and performing content: Majors versus nonmajors. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 89:A209.
- He, Y., Wang, X., Gao, Y., & Ward, P. (2017). Rasch assessment of a common content test for soccer. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A166.
- Ward, P. (2017). Conceptual Roots and Extant Evidence for Specialized Content Knowledge. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A2.
- Dervent, F., Lee, Y-S., Ko, B., Kim, I., Wang, T., & Ward, P. (2017). Using Content Maps to Measure Content Development in Physical Education. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A3.
- Tsuda, E., Devrilmez, E., Dervent, F., & Ward, P. (2017). Differences in Content-Knowledge Between Those Who Learned Performing and Teaching. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A4.
- He, Y., Ward, P., Wang, X., & Li, W. (2017). Chinese Physical Education Teachers Specialized Content Knowledge of Soccer. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A4.

- Wang, X., He, Y., Li, W., & Ward, P. (2017). Investigating the Specialized Content Knowledge of Chinese Physical Education Teachers. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 88:A154.
- Chang, S-H., Ward, P., & Goodway, J. (2017). Chang, S. H., Ward, P., & Goodway, J.D. (2017). *The Influence of Pedagogical Content Knowledge on the Throwing Performance*. Presented at the 2017 SHAPE America National Convention and Exposition, Boston, MA.
- Lee, Y-S, Lehwald, H, & Ward, P. (2015). Content Maps as a Teaching and Assessment Tool: A Pilot Study. SHAPE America Annual conference, Seattle WA. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 86: A134.
- Brian, A., Ward, P., Goodway, J., Sutherland, S & Logan, J. (2015). Looking Inside the Black Box: Fidelity Assessment of Motor Intervention SHAPE America Annual conference, Seattle WA. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 86: A47
- Metzler, M., van der Mars, H., Templin, T., Graber, K., McKenzie, T., Bulger, S., and Ward, P. (2015). The Last PETE program standing. Symposium SHAPE America Annual conference, Seattle WA. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 86.
- Li, W., Ward, P. & Lehwald, H. (2013). *Basketball Content Knowledge: Playing, Coaching, and Teaching Experience*. [Abstract]. *Research Quarterly for Exercise and Sport Supplement* 84: A4.
- Ward, P., Ince L. M., Iserbyt, P., Kim, I., Lee, Y. S., Li, W., & Lui W. (2013). *International Physical Education Teacher Education Physical Activity Content Knowledge Study*. [Abstract]. *Research Quarterly for Exercise and Sport Supplement* 84: A4.
- Ko., Kim, I., Ward, P. & Li, W. (2013). *Badminton Content Knowledge Study*. [Abstract]. *Research Quarterly for Exercise and Sport Supplement* 84: A3.
- Holliday, K. M, Evenson, K. R, Cohen, D. A, Lapham S, McKenzie T. L, Ward P. (2013) Prevalence and correlates of unused park areas in four states. Presented at the American Heart Association's Epidemiology and Prevention/Physical Activity, Nutrition and Metabolism Scientific Sessions *Circulation* 127(12) Supplement.
- Ward, P. (2012). *Re-conceptualizing pedagogical content knowledge*. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance convention, Boston, MA. *Supplement*,83:A3.
- Ward, P., & Cohen, D. (2011). *Use of SOPARC in a large-scale, multi-site research project*. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance convention, San Diego, CA. *Supplement*,82:A5.
- Boyce, B., Judd, M. Goc Karp, G., Parker, M., Rikard, L., Sinclair, C., Sutherland, S., van der Mars, H., Ward, P., Woods, M. (2011) Doctoral PETE programs: The preparation of quality teachers. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance convention, San Diego, CA. *Supplement*,82:xii .
- Ward, P., McKenzie, T., Cohen, D., Marsh, T., Evenson, K., Hillier, A., Lapham, S., & Setodji, C. (2010). [Abstract]. *Measuring physical activity and its context in parks*. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance convention, Indiana, IL. *Supplement*,81:A.
- Kim, I., Lee, Y. S., Ward, P., & Li, W. (2010). [Abstract]. *A comparison of content knowledge courses of physical education teacher education programs in the State of Ohio and South Korea*. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance convention, Indiana, IL. *Supplement*,81:A69.
- McKenzie, T. L., Cohen, D. A., Marsh, T. Williamson, S., Evenson, K, Ward, P., Hillier, A., Lapham, S. (2009, May 28). Establishing Optimal Sampling for Assessing Physical Activity in Parks: SOPARC. *American College of Sports Medicine Annual Meeting*, Seattle. *Medicine & Science in Sport and Exercise*, 41, (5, Supplement), S71.

- Ward, P. (2009). Domains of subject matter knowledge [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 80*:A7 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Tampa Florida.
- Parker, M., Sinclair, C., Sutherland, S., & Ward, P. (2009). A survey of physical education teacher education doctoral programs [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 80*:A69 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Tampa Florida,.
- Ayvazo, S. & Ward., P. (2007). With a little help from my friend: Peer tutoring research in physical education. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 78*:A49 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Baltimore, Maryland.
- Ayvazo, S. & Ward., P. (2006). Effects of classwide peer tutoring on the performance of sixth-grade students during volleyball practice and games. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 77*:A48 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Salt Lake City, Utah.
- Vidoni, C., & Ward., P. (2006). Effects of fair play instruction on middle school physical education students. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 77*:A70 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Salt Lake City, Utah, April, 2006.
- Lee, M-A., Ward., P., Ince, L., Lee, S., & Ang, J. The relationship among preservice teachers' technology access, competency, and attitude. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 77*:A62 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Salt Lake City, Utah.
- Ward, P. (2006). Conceptual and methodological issues related to research on the teaching of tactics in physical education. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 77*:A10 Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Salt Lake City, Utah.
- Vidoni, C., & Ward, P. (2005). Effects of a dependent group-oriented contingency on middle school physical education students' fair play behaviors. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 76*:A92. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Chicago, Illinois.
- Ward, P., O'Sullivan, M., Deglau, D., Bush, K., & Segarra-Roman, K. (2005). Teacher Dialogue as Professional Development [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 76*:A20. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Chicago, Illinois.
- O'Sullivan, M., Ward, P., & Deglau, D. (2005). Principals of high quality professional development; Lesson learned. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 76*:A20. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Chicago, Illinois.
- Ayvazo, S., & Ward, P. (2005). Effects classwide peer tutoring on the catching performance of children with and without autism in physical education [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 76*:A112. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Chicago, Illinois.
- Vidoni, C., & Ward, P. (2005). Effects of a dependent group-oriented contingency on middle school physical education students' fair play behaviors. [Abstract]. *Research Quarterly for Exercise and Sport Supplement, 76*:A92. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Chicago, Illinois.

- Ward, P. (2004). Peer-assisted learning: A report on essential elements for successful outcomes [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 53:A136. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, New Orleans, Louisiana.
- Martin, B., Grissom, T., Ward P. & Leenders, N.J.M. (2003). Effects of wearing heart rate activity monitors on elementary students' activity levels during a team handball unit. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 74:A49. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Philadelphia, Pennsylvania.
- Ward P. (2002). The Ohio State University's use of teacher work sample methodology in teacher preparation. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 73:A58. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, San Diego, California.
- Ward P, & Goodway J.D. (2002). Contextual teaching and learning framework at The Ohio State University: Program implementation [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 73:A56. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, San Diego, California.
- Stroot, S., & Ward, P. (2002). Contextual teaching and learning framework at The Ohio State University: Students' perspectives on enhancers and inhibitors to developing effective teachers. [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 73:A57. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, San Diego, California.
- Goodway, J., Savage, H., Ward, P., H., Rudisill, M. E., & Lorson K. Gender differences in locomotor and object control skill performance in underserved preschoolers [Abstract]. (2001). *Research Quarterly for Exercise and Sport Supplement*, 71, A-73. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Cincinnati, Ohio.
- Goodway, J., Savage, H., Rudisill, M. E., Suminski, R., & Ward, P., (2001). Locomotor Skill Development Resulting from a Motor Skill Intervention for Underserved Hispanic Preschoolers preschoolers [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 71,A-73. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Cincinnati, Ohio.
- Johnson, M., & Ward, P. (2000, March). Effects of classwide peer tutoring on motor skills and social behaviors of third grade students [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 71, A-73. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Orlando, Florida.
- Crouch, D. W., Ward, P., & Patrick, C. A. (1996, April). An experimental analysis of peer tutoring in elementary physical education [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 67, A-87. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Atlanta, Georgia.
- Patrick, C. A., Ward, P., & Crouch, D. W. (1996, April). Improving elementary school student's social skills during volleyball games with the good behavior game [Abstract]. *Research Quarterly for Exercise and Sport Supplement*, 67, A-77. Presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Atlanta, Georgia.
- Ward, P., & Sims, S. (1995, July) Differences in the presentation of pedagogical content knowledge by a golf professional in group versus individual tutoring sessions [Abstract]. *Scientific and Pragmatic Aspects of HPER.SD Program*, A373. Paper presented at the ICHPER.SD 38th World Congress, Gainesville, Florida.
- Ward, P., & Johnson L. (1995, July) Effect of peer-mediated accountability during peer tutoring on skill development in physical education [Abstract] *Scientific and Pragmatic Aspects of HPER.SD Program*, A374. Paper presented at the ICHPER.SD 38th World Congress. Gainesville, Florida.

Ward, P., & O'Sullivan, M. (1995, July). Five years later: A case study of differences and similarities in the pedagogy of a beginning teacher [Abstract]. *Scientific and Pragmatic Aspects of HPER.SD Program*, A375. Paper presented at the ICHPER.SD 38th World Congress. Gainesville, Florida.

SCHOLARLY PRESENTATIONS

Cheng, S., Vanluyten, K., Seghers, J., Ward, P., Iserbyt, P. (2022). Children's physical activity during recess in elementary school. Presented at the Flanders Training network Life Sciences, Ghent.

Cheng, S., Vanluyten, K., Roure, C., Seghers, J., Ward, P., Iserbyt, P. (2022). Generalization and maintenance of participation in parkour in elementary school. Presented at the SHAPE America, New Orleans.

Vanluyten, K., Cheng, S., roure, C., Seghers, J., Ward, P., Iserbyt, P. (2022). Maintenance of participation in organized recess during a Parkour sport education unit in elementary. Presented at the AIESEP, Griffith Australia, 15 Jun 2022-18 Jun 2022

Cheng, S., Vanluyten, K., Roure, C., Seghers, J., Ward, P., Iserbyt, P. (2022). Maintenance of participation in parkour from physical education to recess: analysis of skill trials. Presented at the AIESEP WORLD CONGRESS 2022, Gold Coast, 15 Jun 2022-18 Jun 2022

Cheng, S., Vanluyten, K., Seghers, J., Ward, P., Iserbyt, P. (2022). Generalization of participation in parkour from physical education to recess: analysis of skill trials. Presented at the AIESEP WORLD CONGRESS 2022, Gold Coast, 15 Jun 2022-18 Jun 2022

Vanluyten, K., Cheng, S., Roure, C., Ward, P., Iserbyt, P. (2022). Inclusion in physical education during a parkour unit in elementary schools: A descriptive study for five children with ASD. Presented at the De Vereniging voor Bewegings- en Sportwetenschappen: 27ste Symposium, Leuven, 16 Dec 2022-16 Dec 2022

Vanluyten, K., Cheng, S., Roure, C., Seghers, J., Ward, P. & Iserbyt, P. (2022, September). Moderate and vigorous physical activity in organized versus traditional recess in elementary schools. 4th CIAPSE Congress, Luxembourg.

Cheng, S., Vanluyten, K., Seghers, J., Ward, P. & Iserbyt, P. (2022, September). The effect of children's skill level on skill trials in parkour physical education unit. 4th CIAPSE Congress, Luxembourg.

Vanluyten, K., Cheng, S., Roure, C., Seghers, J., Ward, P. & Iserbyt, P. (2022, September). Connecting recess with physical education: The effect of prompting on elementary school children's physical activity and skill trials. 4th CIAPSE Congress, Luxembourg.

Vanluyten, K., Seghers, J., Cheng, S., Ward, P., Iserbyt, P. (2022, March). Children's physical activity during recess in elementary school. Presented at the Flanders Training Network Life Sciences conference. Belgium.

Madou, T., Depaep, F., Ward, P., Iserbyt, P. (2021). Student Content Knowledge in Reciprocal Peer Learning. Presented at the *SHAPE America National Convention, Virtual*, 13 Apr 2021-17 Apr 2021. [Open Access](#)

Vanluyten, K., Cheng, S., Roure, C., Seghers, J., Ward, P., Iserbyt, P. (2021). Physical Education Teachers' Promotion of Physical Activity during a Parkour unit in elementary schools. Presented at the *VBSW Symposium, Brussels (online)*, 10 Dec 2021-10 Dec 2021. [Open Access](#)

Cheng, S., Coolkens, R., Ward, P., Iserbyt, P. (2021). Generalization from physical education to recess during sport education season. Presented at the SHAPE America 2021, America, 13 Apr 2021-17 Apr 2021. [Open Access](#)

Ward, P. (2019, Sept). What the United States can learn from the Australian health and physical education curriculum: Implications for policy. Presented at the *Integrated Public Health-Aligned Physical Education conference*. Columbia, South Carolina.

- Coolkens, R., Iserbyt, P., & Ward, P. (2019, Sept). Increasing children's physical activity through supervised and organized recess in schools. Presented at the *Integrated Public Health-Aligned Physical Education conference*. Columbia, South Carolina.
- Madou, T., Depaeppe, F., Ward, P., Iserbyt, P. (2019). Teaching and learning following a blended content knowledge workshop. Presented at the AIESEP 2019, New York.
- Iserbyt, P., Coolkens, R., Loockx, J., Vanluyten, K., Martens, J., Ward, P. (2019). Task adaptations as a function of content knowledge. Presented at the AIESEP, New York.
- Su, J., Ward, P., Xu, Y., Xie M., Mao, W., & Xia, L. (2019, June). The differences of management task system among Chinese and American physical education classroom ecologies. 2019 World Congress on Teaching, Learning, and Curriculum in Physical Education for Well-being. Shanghai, China.
- Tsuda, E., Ward, P., Goodway., J., & Erhan, E. (2018, July). *Examining the Efficacy of the Stages of Game Development on Upper Elementary Students' Learning Outcomes in Tennis*. Presented at AIESEP, Glasgow, Scotland.
- Iserbyt, P., Ward, P., & Coolkens, R., (2018, July). *The effect of specialized content knowledge on pedagogical content knowledge and student learning*. Presented at AIESEP, Glasgow, Scotland.
- Coolkens R., Seghers J., Ward P., Iserbyt P. (2018). Generalization from physical education to organized and supervised recess in elementary school as a function of motor skill level. Presented at the AIESEP 2018 World Conference, Edinburgh, Scotland.
- Dervent F, Devrilmez E, Ince M.L., Ward (2018). A test of common content knowledge for gymnastics: A Rasch analysis. Presented at the AIESEP World Congress 2018, Edinburgh, Scotland.
- Ward, P. (2018, January). *Understanding and using physical education content to teach children effectively in K-12 physical education* [SHAPE America Webinar]; Retrieved from <https://www.shapeamerica.org/prodev/webinars/>
- Coolkens, R., Seghers, J., Ward, P., & Iserbyt, P. (2017, April). *A physically active lifestyle in elementary schools: Connecting lunch recess with physical education*. Presented at AIESEP, Guadeloupe, France.
- Coolkens R., Seghers J., Ward P., Iserbyt P. (2017). Organized versus supervised lunch recess in elementary schools: effect on participation and physical activity. Presented at the AIESEP International Conference, Gosier,
- Coolkens R., Seghers J., Ward P., Iserbyt P. (2017). Elementary school children's physical activity during lunch recess: the added value of a connection with Physical Education. Presented at the AIESEP International Conférence, Gosier
- Ward, P., van der Mars, H., Richards, K. A. R., Bulger, S., & Castelli, D. (2017, April). *Rethinking recruitment and retention strategies in undergraduate PETE programs*. Presented at the Society of Health and Physical Educators of America Conference, Boston, MA.
- Tsuda, E., Dervent, F., Devrilmez, E., & Ward, P. (2017, February). *Differences in the content knowledge of those taught to teach and those taught to play*. Oral presentation at the College of Education and Human Ecology Student Forum at The Ohio State University, Columbus, OH.
- Dervent, F., Devrilmez, E., Tsuda, E., & Ward, P. (2016). *Examining content development of preservice teachers*. Oral presentation at the 14th International Sport Science Congress in Papillon Ayscha-Belek, Antalya, Turkey. Won the best research award.
- Asma, M., Akarçeşme, C., Ward, P., Çamliyer, H., & Yildiran, I. (2016, Nov). The investigation of the effects of volleyball content knowledge workshop on middle school physical education. Teachers. Oral presentation at the 14th International Sport Science Congress in Papillon Ayscha-Belek, Antalya, Turkey.
- Coolkens, R., Seghers, J. Ward, P., & Iserbyt, P. (2016). Transfer from physical education to intramural physical activity: Organized versus supervised. AIESEP, Wyoming USA.
- Iserbyt, P., Theys, L., Ward, P., & Charlier, N. (2016). The effect of a Specialized versus Common Content

- Knowledge workshop on teacher behavior and student learning. AIESEP, Wyoming USA.
- Coolkens, R., Seghers, J., Ward, P., & Iserbyt, P. (2015). *Transfer from physical education to intramural physical activity: organized or supervised?* 20ste Vksymposium: “Vereniging Kinesiologie & Bloso Colloquium Topsport & Wetenschap” Leuven, Belgium.
- Dyson, B., Li, W., Ward, P., Zhu, W., Templin, T., & Silverman, S. (2015). Reviewing the peer review process: Panel Discussion. AERA SIG Invisible College, Chicago: IL.
- Ward, P., & Lehwald, H. (2015). Conceptualizing and Teaching Content Knowledge in Physical Education. Physical Education teacher education conference, SHAPE America, Atlanta Georgia
- Iserbyt, P., Ward, P., & Martens, J. (2015). The influence of swimming content knowledge on teaching and learning in traditional and sport education contexts. AIESEP, Madrid, Spain.
- Ward, P., & Lehwald, H. (2014). Teaching pedagogical content knowledge and content knowledge in teacher education. Presented at SHAPE America National Convention.
- Ince, M. L., Ward, P., & Devrilmez, E. (2012). Common content and specialized content knowledge of physical activity courses in Turkish PETE programs. Turkish Sport Science Congress. Pamukkale, Denizli.
- Ward, P., Goc Karp, G., Judd, M., Parker, M., Sinclair, C., Sutherland, S., & van der Mars, H., (2012, October) Practices for PETE doctoral education. NASPE Physical Education Teacher Education Las Vegas: Nevada.
- Li, W., Ward, P., Sutherland, S., Foster, C., & Cho, S. (2012, October) International study of content knowledge in physical education teacher education NASPE Physical Education Teacher Education Las Vegas: Nevada.
- Shephard, K., Parker, M., van der Mars, H., Ward, P., Sinclair, C., Sutherland, S., Goc Karp, G., & Judd, M. (2012, October) Preparing PETE professors: The importance of what we do. NASPE Physical Education Teacher Education Las Vegas: Nevada.
- Ward, P. (2011). Content Knowledge for Teaching Physical Education. Paper presented at the International Society for Comparative Physical Education and Sport conference Shanghai, China.
- Ward, P., McKenzie T., Cohen, D., Williamson, S., Evenson K., Hillier, A., & Lapham, S. (2011). Leisure Time Physical Activity and Recreation in Parks in Different Populations, Geographic Settings and Seasons. Paper presented at the International Society for Comparative Physical Education and Sport conference Shanghai, China.
- Ward, P., Cohen, D., Williamson, S., Evenson, K., Hillier, A., Lapham, S. (2011). Leisure time physical activity and recreation in parks in different populations, geographic settings and seasons. Paper presented at the AIESEP (International Association for Physical Education in Higher Education) International conference. Limerick, Ireland.
- Ward, P. (2011). Examining pedagogical content knowledge in physical education. Paper presented at the AIESEP (International Association for Physical Education in Higher Education) International conference. Limerick, Ireland.
- Kim, I., Ward, P., Li, W., Stuhr, P., Lorson, K. (2010, December) Content knowledge on basketball as a function of playing and coaching experience. Paper presented at the Ohio Association for Health, Physical Education, Recreation, and Dance (OAHPERD), Columbus, Ohio.
- Ward, P., Li W., & Lewald, H. (2009, December). *A Conversation About Skill, Task and Game Analysis—What They are, Why They are Important for Teaching, and How They Relate to One Another*. Paper presented at the Ohio Association for Health, Physical Education, Recreation, and Dance (OAHPERD), Columbus, Ohio.

- Lee, Y., Kim, I., & Ward, P. (2009, December). *Implications for Physical Education Teacher Education (PETE) programs in Ohio regarding content knowledge (CK) courses*. Paper presented at the Ohio Association for Health, Physical Education, Recreation, and Dance (OAHPERD), Columbus, Ohio.
- Ayvazo, S., Stuhr, P., & Ward, P. (2009, October). *Past and Current Conceptualizations of Pedagogical Content Knowledge*. NASPE Physical Education Teacher Education Myrtle Beach: South Carolina.
- Sutherland, S., Ward, P., Sinclair, C., & Parker, M. (2009, October). *A Discussion of the Content of PETE Doctoral Programs*. Physical Education Teacher Education Myrtle Beach: South Carolina.
- Ayvazo, S., Stuhr, P., & Ward, P. (2009, October). *Indicators of Pedagogical Content Knowledge in Physical Education*. NASPE Physical Education Teacher Education Myrtle Beach: South Carolina.
- Cohen DA; Setodji C; Marsh T; Williamson S; Evenson K; Ward P; Hillier A; Lapham S; & McKenzie T. (2009). *Validating measurement of population physical activity in parks*. Presented at the 7th International Conference on Diet and Activity Methods. Washington DC.
- Ward P; Cohen D; Marsh T; Evenson K; Hillier A; Lapham S; & McKenzie T. (2009). *Physical Activity in Park Settings*. Presented at the 35th Annual Convention of the Association for Behavior
- Cohen, D., Setodji, C., Marsh, T., Ward, P., Evenson, K., Lapham, S., Hillier, A., & McKenzie, T. (2009). *A Day in the Life of a Park: Validation of SOPARC*. Active Living Conference San Diego.
- Rodrigues-Neto, M., & Ward, P. (2008, May). *Effects of a Feedback Package on Tactical Behaviors in Youth Basketball*. Presented at the 34th Annual Convention of the Association for Behavior Analysis. Chicago, IL.
- Holt, J., Kinchin, G., Clarke, G., & Ward, P. (2008, May). *Building Fluency of the Non-Dominant Foot in English Academy Soccer Players and the Application to Game Play*. Presented at the 34th Annual Convention of the Association for Behavior Analysis. Chicago, IL.
- Zhang, P., Ward, P., Roderigues-Neto, M., and Lee, Y. S. (2007, October) *The Effects of Play Practice Instruction on Improving Table Tennis Game Play Skills*. Presented at Historic Traditions and Future Directions of Research on Teaching and Teacher Education in Physical Education” conference, Pittsburgh, Pennsylvania.
- Rodrigues-Neto, M., Ward, P. (2006, November). *Some Challenges for Behavior Analysis Research in Sports*. Paper presented at Missouri Association for Behavior Analysis (MOABA), Saint Louis, MO.
- Rodrigues-Neto, M., Ward, P., Smith, R., Zhang, P. (2006, May). *Teaching Youth Soccer Players to Play as a Team*. Paper presented at The College of Education’s 11th Annual Diversity Forum and Graduate Student Symposium, Columbus, OH.
- Ayvazo, S., Cohen, R., Robinson, L., Stuhr, P.T., Ward, P., & Zhang, P. (2006, December). *Developing pre-service teacher’s pedagogical content knowledge*. Paper presented at the Ohio Association for Health, Physical Education, Recreation, and Dance (OAHPERD), Columbus, Ohio..
- Ward, P., Ayvazo, S., & Stuhr, P. (2006, October). *Teaching the subject matter of physical education*. Paper presented at the National Association for Sport, Physical Education: Physical Education Teacher Education conference, Long Beach: CA.
- Ward, P., Barnes, D., Cain, D., Evans, S., Iquina, G., & O’Brien K. (2005, December). *A curriculum guide that works: How to do it and how to make it functional for teachers*. Paper presented at the Ohio Association for Health, Physical Education, Recreation and Dance, Columbus, Ohio.
- Ward, P. (2005). *Urban Schools and the Vision of Active Lifestyles*. Paper presented at the AIESEP (International Association for Physical Education in Higher Education) International conference. Lisbon, Portugal.
- Larson, K., Hovatter, R., Goodway, J, Stuhr, P, Ward, P., Martin, B., Grissom, T. Borchers, S., & Wallace, D. (2005, December). *Teacher work sample methodology. A means to improve programmatic and teacher*

- candidate outcomes*. Paper presented at the Ohio Association for Health, Physical Education, Recreation and Dance, Columbus, Ohio.
- Vidoni, C., and Ward, P. (2004). *Improving Social Skills in Physical Education Classes*. Presented at College of Education Diversity Conference and Graduate Students Symposium, The Ohio State University, Columbus, OH.
- Lee, M-A., & Ward, P. (2003, May). *Training teachers to teach physical education: a review of contributions of applied behavior analysis* Presented at the 29th Annual Convention of the Association for Behavior Analysis. San Francisco, CA.
- Barrett, T. & Ward, P. (2002, September). *A review of behavioral interventions in physical education and sport settings*. Presented at The Ohio State University 3rd Focus on Behavior Analysis in Education Conference. Columbus, OH.
- Ward, P. *A case for cultural interdependence: Behavior analysis and the zeitgeist*. (2002, September). Presented at The Ohio State University's 3rd Focus on Behavior Analysis in Education Conference. Columbus, OH.
- Savage, H., Goodway, J., Ward, P. (2001, October). *The influence of instructional climates on the development of object control skills*. Presented at the Motor Development Research Consortium, Ann Arbor, MI.
- Ward, P. (1999). *Systemic Workplace Problems Require Systemic Solutions: A Talk About the Focus of Professional Development Efforts in Physical Education*. Paper presented at National Association for Sport and Physical Education Conference on Physical Education: Exemplary Practice in Teacher Education.
- Ward, P. Avery., M., Golden, C., OScjer, J., Farly, T, & Hiedbrink, L. (1998, November). *Getting better at middle school physical education*. Paper presented at the Nebraska Association for Health, Physical Education, Recreation and Dance, Lincoln, Nebraska.
- Ward, P. Doutis, P., Avery., M., Golden, C., OScjer, J., Farly, T, & Hiedbrink, L. (November, 1998). *Project Saber-tooth: Curriculum reform in middle school physical education*. Paper presented at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Reno, Nevada.
- Ward, P. *Using peer tutoring to improve skill learning and social skills*. Paper presented at the Nebraska Association for Health, Physical Education, Recreation and Dance, Omaha, Nebraska November, 1996.
- Ward, P. *An error correction procedure by itself, is not a sufficient condition for error remediation*. Paper presented at the 21st Annual Convention of the Association for Behavior Analysis Washington, May, 1995.
- Ward, P. *Teaching behavior analysis to undergraduate physical education majors*. Paper presented at the 19th Annual Convention of the Association for Behavior Analysis. Chicago, Illinois, May, 1993.
- Ward, P. *Preservice teacher supervision: Framing the question*. Paper presented at the 18th Annual Convention of the Association for Behavior Analysis. San Francisco, California, May, 1992.

INVITED PRESENTATIONS

- Ward, P., & Kim, I. (2022, Oct). *In service of student learning: unpacking pedagogical content knowledge, what we know and do not know*. The Janus 2.0 Conference: Revisiting the Future of Physical Education in Contemporary Education. University of Illinois Urbana Champaign.
- Ward, P. (2021, September). *Core practices and adaptive teaching: Contemporary approaches to teacher education*. Invited online talk hosted by Seoul National University Sport pedagogy inquiry lab. Korea.
- Ward, P. (2021, April). *The future directions of physical education and physical education teacher education*. Invited online talk hosted by International Conference on Sports, Health and Physical, Education, Jakarta, Indonesia.

- Ward, P. (2020, October). *Pedagogical content knowledge in physical education- the role of content knowledge*. Invited online talk hosted by Nanjing Normal University, Nanjing, PR. China.
- Ward, P. (2019, June). *What is good teaching in physical education?* 2019 World Congress on Teaching, Learning, and Curriculum in Physical Education for Well-being. Shanghai, China. - Keynote.
- Ward, P. (2018, October). *You can't teach what you don't know! Understanding content knowledge for teaching*. Department of Movement Sciences at KU Leuven, Belgium.
- Ward, P. (2018, March). *Current and future challenges to physical education teacher education and teaching*. SHAPE America Scholar talk. SHAPE America national convention, Nashville. TN.
- Ward, P. (2017, May). *Sport Education for Teaching Physical Education*. Shanghai University of Engineering Science. Shanghai.
- Ward, P. (2017, May). *Content Knowledge Research: What We know and What We Do Not Know*. East China Normal University. Shanghai.
- Ward, P. (2016, Nov). *The joy of moving and the role of content knowledge*. Presentation to graduate students in the Department of Education, University of Cyprus. Cyprus.
- Ward, P. (2016, Nov). *Specialized content knowledge. One cannot teach what one doesn't know*. Presentation at the 14th International Sport Science Congress in Papillon Ayscha-Belek, Antalya, Turkey.
- Ward, P. (2016, May). *Tools and practices in the supervision of teachers*, East China Normal University, Shanghai, China.
- Ward, P. (2015, June). *The task of teaching: Current US policies and practices impacting teacher education and teaching*. Faculty of Education. University of Leuven, Belgium.
- Ward, P. (2015, June). *In support of high quality teaching of physical education*. Faculty of Kinesiology and Rehabilitation Sciences. University of Leuven, Belgium.
- Ward, P. (2015, May). *Curriculum*. East China Normal University, Shanghai, China.
- Ward, P. (2015, May). *Assessing students in physical education*. Department of Education, Guangdong Province, Gangzhou, China.
- Ward, P. (2015, May). *Five big ideas for teaching physical education*. Guangzhou Institute of Education, Gangzhou, China.
- Ward, P. (2015, May). *Curriculum models in physical education*. Central China Normal University, Wuhan, China.
- Ward, P. (2015, April). *In Support of Teachers*. AERA SIG Research on Learning and Instruction in Physical Education Outstanding Scholar Award Lecture, AERA Chicago, IL.
- Goodway, J., Hodge, S., Lehwald, H., Li, W., Porretta, D., & Ward, P. (2014, April). *The Ohio State University Physical Education Teacher Education Program: Preparing Today's Teachers for Tomorrow*. National Association for Sport, and Physical Education Physical Education Teacher Education Honor Award presentation. AAHPERD national convention, St Louis. MO.
- Ward, P. (2014 April). *The task of teaching*. National Association for Sport, and Physical Education Curriculum and Instruction award lecture. AAHPERD national convention, St Louis. MO.
- Ward, P. (2014, March). *Hard questions about teaching physical education*. Invited article on PELinks4U (http://www.pelinks4u.org/articles/phillip_ward4_2014.htm)
- Ward, P. (2013, Nov). *Sport Education: Theory and practice*. Yangzhou University, Shanghai.
- Ward, P. (2013, Nov). *The Ohio State University Physical Education Teacher Education program*. Shandong University, Shandong.
- Ward, P. (2013, Nov). *Sport Education: Theory and practice*. Shandong Normal University, Shandong.

- Ward, P. (2013, Nov). *Sport Education: Theory and practice*. Central China Normal University, Wuhan.
- Ward, P. (2013, Nov). *The Ohio State University Physical Education Teacher Education program*. Fujian Normal University, Fuzhou.
- Ward, P. (2013, Nov). *Sport Education: Theory and practice*. Fujian Normal University, Fuzhou.
- Ward, P. (2013, May). *Sport Education: Theory and practice*. East China Normal University Shanghai.
- Ward, P. (2013, May). *The Ohio State University Physical Education Teacher Education program*. East China Normal University Shanghai May.
- Ward, P. (2013, Feb). *Community parks: Who uses them, when, and what do they do there?* Keynote Ohio Parks and Recreation Association State convention. Columbus, Ohio.
- Ward, P. (2011, Oct). *The Ohio State University Physical Education Teacher Education Program: Its Legacy and Promise*. Keynote at Nippon Sport Science University's opening of new sport science program. Tokyo, Japan.
- Ward, P. (2010, Oct). *The Future of Physical Education Teacher Education*. Keynote. The international conference for the 30th Anniversary of the Japanese Society of Sport Education. Tokyo, Japan. October..
- Ward, P. (2010, Aug). *Knowing content well enough to teach it: re-conceptualizing physical activity content knowledge for physical education*. Invited talk: International Sports Science Congress: Commemorating the 1988 Seoul Olympic Games. ChunCheon, Korea.
- Ward, P. (2010, June). *Content and pedagogical content knowledge: definitions, relationships, and implications for teaching*. Invited talk: 15th Annual Congress of the European College of Sports Science: Antalya, Turkey.
- Ward, P. (2010, Feb). *The power of peers: Findings from peer assisted learning research*. Invited talk at KU Leuven, Belgium.
- Ward, P. (2009, Oct). Beighle, A., McKenzie, T., Ricard, L., van der Mars, H. & Ward, P. (2009). *Sailing the seas of love: Mentoring our young scholars*. Invited response. NASPE Physical Education Teacher Education Conference, Myrtle Beach: South Carolina.
- Ward, P. (2006, Apr). *It is not just about pedagogy-content matters*. Invited response in All Academy Symposium American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Salt Lake City, Utah.
- Ward, P. (2004). *Single Subject Research in Physical Education and Sport*. Invited lecture: Zinman College at the Wingate Institute, Israel.
- Ward, P. (2004). *Behavior Analysis in Physical Education and Sport*: Invited lecture. Zinman College at the Wingate Institute, Israel.
- Ward, P. (2004). *Autism, Behavior Analysis and Research* Invited lecture. Zinman College at the Wingate Institute, Israel.
- Ward, P. (2004). *Applied Behavior Analysis, Research and Publication*. Invited lecture in Israel: To teacher educators and applied behavior analysts in Israel: A public lecture: Zinman College at the Wingate Institute, Israel.
- Ward, P. (2001, Sept). *Data collection systems in physical education*. Invited lecture Purdue University, Indiana.
- Ward, P. (2001, June). *Integrating technology into instruction: Tricks of the trade*. Invited panelist OSU Teachers Integrating Technology into classrooms: Today and Tomorrow conference:
- Ward, P. (1996, May). *Studies in instructional effectiveness in physical education*. Invited Address presented at the Hong Kong Institute of Education Visiting Scholar Seminar.

Ward, P. (1996, June). *Working together: Using peer tutoring and group contingencies to improve social and academic skills of children*. Invited Address presented at the Behavior Analysis Conference of Michigan.

Ward, P. (1992, Apr). *At one with natural science: Interrelationships and commonalty across physical, biological, and behavioral phenomena*. Colloquium presented at the University of West Virginia Department of Psychology.

POSTER PRESENTATIONS

Xie, X., Oh, D., Cho, K., Higginson, K., Li, Y., He, Y., Atkinson, O., & Ward, P. (2018, February). Preservice physical education teachers' perceptions of their analytic skills following peer teaching rehearsals. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.

Li, Y., Atkinson, O., Xie, X., Oh, D., Cho, K., Higginson, K., He, Y., & Ward, P. (2018, February). Pedagogical Reasoning by Preservice Physical Education Teachers Following Repeated Teaching. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.

Cho, K., Li, Y., Higginson, K., Tsuda, E., Su, J., He, Y., Chen, Y., & Ward, P. (2017, March). *Entry level differences on knowledge and performance of college students enrolled in physical education teacher education classes and basic instruction classes*. Poster presented at the student works in progress poster session at the national meeting of the Society of Health and Physical Educators (SHAPE America), Boston, MA.

Higginson, K., Tsuda, E., Cho, K., Li, Y., He, Y., Su, J., Hoefler, T., & Ward, P. (2017, February). *The relationship between prior experience, knowledge, and performance in four sports*. Poster presented at the student works in progress poster session at the national meeting of the Society of Health and Physical Educators (SHAPE America), Boston, MA.

Li, Y., Cho, K., Tsuda, E., Higginson, K., Su, J., He, Y., Chen, Y., & Ward, P. (2017, March). *Examining the impact of the content focus in the classes in two different programs on content knowledge and skill performance*. Poster presented at the student works in progress poster session at the national meeting of the Society of Health and Physical Educators (SHAPE America), Boston, MA.

Tsuda, E., Higginson, K., Li, Y., Cho, K., He, L., Su, J., Xie, X., & Ward, P. (2017, March). *Examining relationships between content knowledge and performance in four different sports in college students*. Poster presented at the student works in progress poster session at the national meeting of the Society of Health and Physical Educators (SHAPE America), Boston, MA.

Cho, K., Li, Y., Higginson, K., Tsuda, E., Su, J., He, L., Chen, Y., & Ward, P. (2017, February). *Examining differences on content knowledge and performance between two groups who want to be physical education teachers and who do not*. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.

Higginson, K., Tsuda, E., Cho, K., Li, Y., He, Y., Su, J., Hoefler, T., & Ward, P. (2017, February). *Previous sport experiences effects on current sport knowledge, teaching knowledge, and skill performance*. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.

Li, Y., Cho, K., Tsuda, E., Higginson, K., Su, J., He, L., Chen, Y., & Ward, P. (2017, February). *Differences in improvement on content knowledge and performance in college students enrolled in two different types of courses*. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.

- Tsuda, E., Higginson, K., Li, Y., Cho, K., He, L., Su, J., Xie, X., & Ward, P. (2017, February). *Associations among common content knowledge, specialized content knowledge, and performance in physical education context*. Poster session presented at the College of Education and Human Ecology student research forum, The Ohio State University, Columbus, OH.
- Lee, Y.S., Dervent, F., Ko, B., Wang, T., & Ward, P. (2016). Measuring Pedagogical Content Knowledge in Preservice Teachers in Physical Education. Poster presented at the 2016 conference SHAPE America, April, Minnesota.
- Lapham, S., Cohen, D. Williamson, S., Evenson, K., Ward, P., Hillier, A., & McKenzie, T. (2011). How Does Community Park Use Vary by Park User Characteristics? Poster presented at the Active Living Conference, San Diego, CA.
- Holt, J., Clarke, G., Kinchin, G., & Ward, P. (2008) The Effects of Goal Setting, Individual and Group Contingencies on Learning and Effort in Practice by Young, Talented Soccer Players. Poster presented at the Annual Convention of the Association for Behavior Analysis, Chicago, IL, May, 2008.
- Stuhr, P.T., Lee, Y.S., Ressler, J., Rodrigues-Neto, M., Zhang, P. & Ward, P. (2007, Nov). *The relationship between prior soccer experience and current soccer content knowledge*. Presented at the annual conference of the Ohio Association for Health, Physical Education and Recreation, December, 2007
- Rodrigues-Neto, M., Ward, P. (2007). *Behavioral Assessment of Skill Development in Youth Soccer*. Poster presented at the Annual Convention of the Association for Behavior Analysis, San Diego, CA, May 2007.
- Rodrigues-Neto, M., Ward, P. (2006). *Behavior analysis research in sports: Skill level of young soccer players on three different positioning skills*. Poster on research data presented at the 77th Annual OAHPERD Convention, Columbus, OH. November 2006
- Rodrigues-Neto, M., Ward, P., Smith, P., & Zhang, P. (2006). *Teaching youth soccer players to play sport*. Presented at the annual conference of the Ohio Association for Health, Physical Education and Recreation, December, 2006.
- Ayvazo, S., & Ward, P. (2005, December). Effects of classwide peer tutoring on the motor performance of a kindergarten student with autism in an inclusion setting. Poster presented at the Ohio Association for Health, Physical Education, Recreation and Dance, Columbus, Ohio.
- Ward, P., Lee, M., Deglau, D., Vidoni, C., and Holt, J. (2004, May). *Effects of Three Interventions Designed to Generalize a Tactic from Practice Scrimmages in Basketball*. Poster presentation at Association of Behavior Analysis, Boston, MA.
- Holt, J., Ward, P., Wallhead, T., Vidoni, C., and Chong, A. (2004, May). *Generalization of Tactics from Drills to Game Play in Youth Soccer Players*. Poster presentation at Association of Behavior Analysis, Boston, MA.
- Crowe, H., Goodway, J., & Ward, P. (2003, May). Learning to kick. Effects of untrained assistants versus student choice on preschoolers in physical education Presented at the 29th Annual Convention of the Association for Behavior Analysis. San Francisco, CA.
- Lee, M-A., & Ward, P. (2003, November). *Three ways to use peers to help students learn: What we've learned from research*. Presented at the 2002 conference of the Ohio Association for Health, Physical Education and Recreation,.
- Ward, P. (2002, November). *Lessons from the field: Helping Middle and High School teachers improve their programs*. Presented at the 2002 conference of the Ohio Association for Health, Physical Education and Recreation.
- Brobst, B., & Ward, P. (2002, May). *Effects of public posting on the tactical performance of female high school soccer players*. Presented at the 26th Annual Convention of the Association for Behavior Analysis. Washington, DC, May, 2000.

- Konukman, F., Ward, P., Carnes, M., Johnson, M., LeRoy, T., & Shinoda. (1998, November). *The effects of classwide peer tutoring on team handball skills in sixth grade physical education classes*. Presented at the Nebraska Association for Health, Physical Education, Recreation and Dance, Lincoln, Nebraska.
- Galvan, Z., & Ward P. (1998). *Effects of goal setting and public posting of inappropriate on- court behaviors by collegiate tennis players*. Presented at the 24th Annual Convention of the Association for Behavior Analysis. Orlando, Florida.
- Johnson, M., & Baker, E., Ward, P., & Bahls, V. (1998). *The effects of positive rehearsal on the delivery of instructional skills by preservice physical education teachers* Presented at the 24th Annual Convention of the Association for Behavior Analysis. Orlando, Florida,.
- Ward P., Makasci, K., & Smith, S. (1998). *Differential effects of peer mediated accountability on correct skill performance by elementary physical education students*. Presented at the 24th Annual Convention of the Association for Behavior Analysis. Orlando, Florida.
- Johnson, M., Ward, P., & Bahls, V. (1997). *A systematic replication of the effects of positive rehearsal on the delivery of instructional skills by preservice physical education teachers*. Presented at the 23rd Annual Convention of the Association for Behavior Analysis. Chicago, Illinois.
- Makasci, K., Ward, P., Smith, S., & Bahls, V. (1997). *Effects of positive rehearsal on the delivery of instructional skills by preservice physical education teachers*. Presented at the 23rd Annual Convention of the Association for Behavior Analysis. Chicago, Illinois.
- Barrett, T., Ward P., & Johnson, M. (1997). *Differences between tutorial and group instruction by a golf professional*. Presented at the 23rd Annual Convention of the Association for Behavior Analysis. Chicago, Illinois.
- Smith, S., Ward, P., & Sharpe, T. L. (1996). *Effects of public posting on the practice and game performance of college wide receivers*. Presented at the Midwest Association for Behavior Analysis and Therapy Conference, Mankato, Minnesota.
- Ward, P. (1994). *The effects of prompt cards on the lay-person's retention of basic life support skills*. Presented at the 20th Annual Convention of the Association for Behavior Analysis. Atlanta, Georgia.
- Ward, P. (1994). *Demonstrating mastery of basic life support skills, is not sufficient to ensure retention*. Presented at the 20th Annual Convention of the Association for Behavior Analysis. Atlanta, Georgia.
- Ward, P. (1994). *The effects of treatments designed to increase rate of responding in high school physical education during volleyball instruction*. Presented at the 20th Annual Convention of the Association for Behavior Analysis. Atlanta, Georgia.
- Ward. P., & Dunaway, S. (1993). *The effects of contingent music on laps run in a high school physical education class*. Presented at the 19th Annual Convention of the Association for Behavior Analysis. Chicago, Illinois.
- Cull, M., Ward, P., Sweeney, W., & Drevno, G. (1993). *Teaching preservice physical education teachers to behave differentially*. Presented at the 19th Annual Convention of the Association for Behavior Analysis. Chicago, Illinois,.
- Ward, P., Cull, M., Sweeney, W., & Drevno, G. (1992). *The effects of teaching preservice physical education teachers to behave differentially: A systematic replication*. Presented at the conference on Behavior analysis in education: Focus on measurably superior instruction, The Ohio State University, Columbus, Ohio.
- Ward. P., & Drevno, G. ((1992). *Managing personal behaviors in graduate school. A behavioral approach to analyzing and controlling the contingencies*. Presented at the 18th Annual Convention of the Association for Behavior Analysis San Francisco, California.

EDITORIAL BOARDS/REVIEWER

2021	Guest Co-Editor (with Murray Mitchell), Special issue vol 40(3). <i>Journal of Teaching in Physical Education</i> .
2020-present	Editorial Board Member: <i>Quest</i> .
2015-present	Editorial Board Member: <i>International Journal of Sport and Health</i>
2011-2018	Associate Editor: <i>Research Quarterly for Exercise and Sport</i>
1998-present	Editorial Board Member: <i>Journal of Teaching in Physical Education</i> .
2010	Guest Feature Editor: <i>Journal of Physical Education, Recreation and Dance</i> . Teacher Work-Sample Methodology
2006	Guest Co-Editor (with Mary O’Sullivan): Summer Monograph <i>Journal of Teaching in Physical Education</i> .
2003-2005	Editorial Board Member: <i>Journal of Applied Behavior Analysis</i> .
2002-2003	Reviewer for <i>Journal of Applied Behavior Analysis</i> .
1999	Guest Co-Editor (with Panayiotis Doutis), Summer Monograph <i>Journal of Teaching in Physical Education</i> .
1999	Coeditor: <i>UNL Teachers’ College Research Works</i> .
1997-1999	Editorial Board Member: <i>The Behavior Analyst</i> .
1997-1999	Editor: <i>Nebraska Journal of the Nebraska Association for Health, Physical Education, Recreation and Dance</i> .

AD HOC REVIEWER

<i>Adapted Physical Activity Quarterly</i>	<i>Journal of Sports Sciences</i>
<i>International Journal of Sports Medicine</i>	<i>Science and Motricité</i>
<i>Perceptual and Motor Skills</i>	<i>European Physical Education Review</i>
<i>Physical Education and Sport Pedagogy</i>	<i>Quest</i>
<i>Journal of Applied Behavior Analysis</i>	<i>Science of Gymnastics</i>
<i>Journal of Human Kinetics</i>	<i>Kinesiology</i>
<i>International Journal of Behavioral Nutrition and Physical Activity</i>	<i>Journal of Behavioral Education</i>
	<i>International Journal of Kinesiology in Higher Education</i>

FUNDED RESEARCH GRANTS AND CONTRACTS

- Co-investigator with Chang, S.H., & Goodway, J. D., (2013). *The Effects of Professional Development Workshops on Teacher’s Pedagogical Content Knowledge and Student Learning*. The Ohio Association for Health, Physical Education, Recreation and Dance Research Grant. \$1,500.
- Co-investigator with W. Li (2013) OSU College of Education International Research grant: *Examining physical education content knowledge in China and the USA*. \$7500.
- Principal Investigator: National Heart Lung Blood Institute (NHLBI) grant 2008-2011. \$355,969 over 4 years. Part of a \$3,086,605 multi-site research grant designed to validate systematic observation of physical

activity of park users in five sites in the USA. *Validation of Systematic observations of play and recreation in communities (SOPARC)* NIH R01 PAR-06-104 Improving Diet and Physical Activity Assessment.

Co-investigator: Physical Education for Progress sub-contract to OSU, 2005, \$22,000.

Co-investigator: Physical Education for Progress sub-contract to OSU, 2004, \$45,000.

Principal Investigator: OSU Seed Grant Award, 2000-2001, \$10,300 *Using Professional Development of Teachers to Meet Public Health Goals for Youth in an Urban Secondary School. A Replication of the Saber-tooth Project.*

Principal Investigator: University of Nebraska Athletic Department 1999-2001, \$18,700 *Gender Equity in Physical Education Project II.*

Principal Investigator: Nebraska Association for Health, Physical Education, Recreation, and Dance. 1998, \$ 910 (grant) *An Investigation of the Effects of Classwide Peer Tutoring on Student Learning in Physical Education*

Laerdal Foundation 1997, \$ 4,645 (grant). *Basic Life Support Skill Training Project: Phase II*

Principal Investigator: University of Nebraska Athletic Department 1996-1998, \$15,600. *Gender Equity in Physical Education Project I.*

Principal Investigator: Laerdal Foundation, 1995, \$3600 (grant). *Cardiopulmonary Resuscitation and Classwide Peer Tutoring Research.*

Principal Investigator: Wilmington College. 1993, \$157 (Faculty Small Grant.) *An Investigation of Pedagogical Content Knowledge in Elementary Physical Education.*

FUNDED INSTRUCTIONAL GRANTS AND CONTRACTS

The Ohio State University Center for the Advancement of teaching award 2011 for \$10,000. *Increasing specialized content knowledge in graduate teaching assistants.*

The Ohio State University Faculty and Teaching Assistant Development Grant 2009 for \$10,000. *Supporting GTA's in Adapting to the Changing Contexts of Teaching In Higher Education*

The Ohio State University Faculty and Teaching Assistant Development Grant 2008 for \$10,000. *Supporting GTA's in Teaching Content and Pedagogical Content Knowledge*

The Ohio State University TELR Professional Development Award 2007 for \$4,304. designed to support the curriculum revision of the PAES 300 series classes

The Ohio State University technology grant 2005 through the COE for \$10,533 to support the curriculum revision of the PAES 300 series classes in the undergraduate technology laboratory.

The Ohio State University technology grant 2004 through the COE for \$19,343 to support the undergraduate technology laboratory.

PT3 Community of Learners Mini Grant, 2002-2003: \$7,000 Evaluating technology in preservice teaching. Co-investigators: Tim Barrett and Jackie Goodway.

PT3 Community of Learners Mini Grant, 2001-2002: \$20,000 Infusing technology into preservice teaching. Co-investigators: Jackie Goodway and Sam Hodge.

PT3 Community of Learners Mini Grant, 2000-2001: \$9,091.12 Infusing technology into preservice teaching. Co-investigator: Sandy Stroot

University of Nebraska-Department of Health and Human Performance Henry Pascale Fund, 1999-2000, \$14,150. *The Janus Conference: Setting Agendas for the 21st Century.*

University of Nebraska-Lincoln Research Facilities Enhancement Grant and Teacher's College matched funds 1997, \$14,600 Physical Education Pedagogy Laboratory Extension.

University of Nebraska-Lincoln Teachers College: Strategic Fund, 1996, \$1,930 Collaborative Research and Teacher Preparation in Physical Education between Hong Kong Institute of Education and University of Nebraska-Lincoln.

University of Nebraska-Lincoln International Affairs, 1996, \$800 Collaborative Research and Teacher Preparation in Physical Education between Hong Kong Institute of Education and University of Nebraska-Lincoln

University of Nebraska-Lincoln Research Council for the 1996, \$2,399 Teacher Management Database

Illinois State University, Ester Larson McGuiness Software. 1994, \$1,145, Behavioral Evaluation Strategy and Taxonomy (BEST) software.

AWARDS AND HONORS

- 2022 Fellow, North American Society for Health, Physical Education, Recreation, Sport, & Dance.
- 2019 *Journal of Teaching Physical Education* Outstanding Reviewer Award.
- 2018 SHAPE America, Scholar Award.
- 2017 SHAPE America, Research Council Distinguished Service Award.
- 2015-2017 Awarded by the Peoples Republic of China the status of High-end Foreign Expert.
- 2015 Fellow, #554; National Academy of Kinesiology.
- 2015 AERA SIG Research on Learning and Instruction in Physical Education Outstanding Scholar Award.
- 2014 NASPE Curriculum and Instruction Honor Award for significant contributions through scholarship and service in the area of physical education curriculum and instruction.
- 2014 AAHPERD/NASPE Physical Education Teacher Education Honor award presented to The Ohio State University Physical Education Teacher Education program for exemplary, innovative work that impacts the field.
- 2009 School of PAES Collaboration in Instruction Award with *Drs. Li and Sutherland*.
- 2007 School of PAES Instructional Enhancement Award with *Drs. Sutherland & Goodway*.
- 2005 OSU College of Education Distinguished Collaboration Award.
- 2003 School of PAES Instructional Enhancement Award with *Drs. Barrett, Goodway, Hodge, O'Sullivan, Stroot*.
- 2002 OSU College of Education Distinguished Scholarship Award.
- 2001 Fellow, SHAPE America (formerly AAHPERD).
- 1996 Faculty Fellow - University of Nebraska-Lincoln.
- 1993 Vance Cotter Fellowship for Research in Behavior Analysis.
- 1992 Awarded membership in Phi Kappa Phi Honor Society.
- 1992 Cooper/Siedentop Award for Research in Behavior Analysis.
- 1988 Postgraduate Research Scholarship to the Australian Institute of Sport. Canberra: Australia.
- 1979 Frank Vig Trophy for Sportsmanship. Queensland Gymnastic Association.

SERVICE TO THE PROFESSION (Recent and selected)

- 2021 Review of abstracts for AIESEP for the 2021 World Congress in Canada (Association Internationale des Ecoles Superieures d'Education Physique International Association for Physical Education in Higher Education)
- 2020-present Chair, State of Ohio Department of Education health and physical education degree programs review committee.
- 2019 AERA Catherine D. Ennis Outstanding Scholar Award committee member
- 2017-2018 Member Society of Health and Physical Educators (SHAPE) America and National Association for Kinesiology in Higher Education retention committee.
- 2016 (October) Invited workshops on Teaching Effectiveness, Research, and Sport Education at ZhenZhou University, Hunen Province China
- 2016 (May) Invited workshop on Sport Education Luoyang experimental primary school, Hunen Province China.
- 2016 (May) Invited workshop on Teaching Elementary Physical Education at Luoyang experimental primary school, Hunan Province China.
- 2015- State of Ohio, Department of Education, Academic program reviewer.
- 2015-2016 Chair SHAPE America Research Council
- 2016-2017 Chair AERA SIG Scholar award selection committee
- 2014-2015 Chair-elect SHAPE America Research Council
- 2013 Invited member of the Scientific Committee for AIESEP for the 2014 World Congress in New Zealand (Association Internationale des Ecoles Superieures d'Education Physique International Association for Physical Education in Higher Education)
- 2013 (June) Invited workshop on Sport Education to teachers in China, Shanghai China sponsored by East China Normal University
- 2013 (May) Invited workshops on Sport Education to teachers in Shanghai Province, Shanghai China sponsored by East China Normal University
- 2011 Invited chair of Research Consortium of AAHPERD Research Writing Award Committee.
- 2011 Consultant –Educational Council's Well-Being Initiative
- 2010-2011 Consultant –Madison and Champaign County Educational Service Center
- 2010 Consultant to Lafayette School Corporation, Lafayette, IN -Physical Education
- 2009-2010 Member of OAHPERD Public Affairs & Advocacy Committee
- 2006-2010 Consultant to Gahanna-Jefferson School District-Physical Education
- 1988-present More than 100 professional development workshops for teachers
- 1999-2018 Consultant to Columbus City School District-Physical Education.
- 2005-2006 Consultant to Delaware City School District-Physical Education
- 2005 Invited chair to the American Education Research Association SIG Research on PETE Lawrence Locke Dissertation Award Committee which selects the dissertations published that year that have the potential to most impact the profession.

- 2004 Invited chair of the American Alliance for Physical Education, Recreation and Dance Research Consortiums Research Quarterly for Exercise and Sport Research Writing Award Committee which selects the studies that have the potential to most impact the profession.
- 2001-Present Reviewer for the pedagogy section of the Research Council of SHAPE America for the national conference.

UNIVERSITY SERVICE (Recent and selected)

- 2021 Chair, Search committee for target hire in Kinesiology, Human Sciences
- 2021 Committee member for search committee for clinical position in Fashion and Retail studies, Human Sciences
- 2020-present Member of the University Teacher Education Council (UTEC)
- 2020-present Member of the Human Sciences Diversity committee
- 2020 -present Member of the Human Sciences Diversity promotion sub-committee
- 2018 Reviewer for EHE Dean's emerging scholar seed grant competition
- 2016-2017 Member of department chair search committee
- 2015- present Director Master of Sports Coaching degree
- 2014-2015 Chair, School of PAES Personnel Committee
- 2013-2014 Human Sciences graduate studies committee
- 2013 Ad Hoc School of PAES Personnel Committee member
- 2012-2013 Kinesiology graduate studies chair
- 2011-2012 Chair, School of PAES Personnel Committee
- 2011-2013 Physical Education Teacher Education program liaison.
- 2011 College Council representative for School of PAES
- 2005-2009 Graduate studies chair School of PAES
- 1995-present Member of eight search committees (chaired two)
- 2003-2005 Member of the PAES Personnel committee
- 2003-2005 Procedures oversight designee for the PAES Personnel committee
- 2001-2003 Sport and Exercise Education program liaison.
- 2001-2005 Member of the University Teacher Education Council. The council is charged with examining P-12 teacher education at OSU.
- 2001-2005 Chair of the UTEC advisory working group on multi-age licensure in physical education, art, dance, theatre and music education.
- 2001 Member of the ad hoc committee to examine the Arts and Sciences Undergraduate Education Minor.

DOCTORAL ADVISEES

- | | |
|--------------------------------------|--|
| 1. Ibrahim Almahaireh, current | 11. Emi Tsuda (2017) Co-advised |
| 2. Scott Trainer, current | 12. Insook Kim Ph.D. (2011) Co-advised |
| 3. Wonseok Chey, current | 13. Yun Soo Lee (2011) |
| 4. Shu Cheng, current, University of | 14. Peng Zhang Ph.D (2008) |

- Leuven Belgium- Co-advising
5. Tonghe Zhang- current, University of Leuven Belgium- Co-advising
 6. Kian Vanluyten, current, University of Leuven Belgium- Co-advising
 7. Toon Dehandschutter, current, University of Leuven Belgium- Co-advising
 8. Tom Madow, current, University of Leuven Belgium- Co-advising
 9. Rosalie Coolkens, Ph.D. University of Leuven Belgium (2018) Co-advised
 10. Seung Yeon Park Ph.D. (2017) Co-advised.
 15. Paul Stuhr Ph.D (2008) Co-advised
 16. Manoel Rodrigues-Neto Ph.D. (2008)
 17. Shiri Ayvazo Ph.D. (2007)
 18. Carla Vidoni Ph.D. (2005)
 19. Tristan Wallhead Ph.D. (2004) Co-advised
 20. Myung-Ah Lee Ph.D. (2004)
 21. Tim Barrett Ph.D. (2000)

MASTERS STUDENT ADVISEES

- 87 Master of Sports Coaching students (2017- present)
- 7 Masters of Arts thesis students (1995-present)
- 19 Master of Arts non-thesis students (2012- present)
- 14 Master of Education (2000- 2005)

COURSES TAUGHT

Graduate

Doctoral Seminar in Physical Education Teacher Education
 Ethics in Coaching
 Coaching Effectiveness

Undergraduate

Introduction to Teaching Physical Education

PROFESSIONAL MEMBERSHIPS

Association Internationale des Ecoles Superieures d'Education Physique (AIESEP -International Association for Physical Education in Higher Education).

National Academy of Kinesiology.

National Association for Kinesiology in Higher Education

Society of Health and Physical Educators (SHAPE)

Last Updated January 2nd, 2023