

Updated 4/6/21

## VITAE

---

### ZACHARY S. GOLD, Ph.D.

SUNY Oswego, Department of Human Development  
413 Mahar, 7060 State Route 104, Oswego, NY 13126  
(315) 312-3292 | zachary.gold@oswego.edu

## EMPLOYMENT

---

*Assistant Professor*, State University of New York at Oswego, Oswego, NY 2020 – present  
Department: Human Development

*Postdoctoral Fellow*, Concordia University, Montreal, QC 2017 – 2020  
Departments: Education and Psychology  
Mentor: Nina Howe

## EDUCATION

---

*Doctor of Philosophy*, Purdue University, West Lafayette, IN 2017  
Major: Human Development and Family Studies  
Mentor: James Elicker

*Master of Science*, Purdue University, West Lafayette, IN 2014  
Major: Human Development and Family Studies  
Mentor: James Elicker

*Bachelor of Arts*, State University of New York at Geneseo, Geneseo, NY 2012  
Major: Psychology  
Minor: Philosophy  
Mentor: Ganie B. DeHart

## THESES

---

*Dissertation*: <https://docs.lib.purdue.edu/dissertations/AAI10682945/>  
Engineering play: Exploring associations with executive function, mathematical ability, and spatial ability in preschool.

*Master's Thesis*: [http://docs.lib.purdue.edu/open\\_access\\_theses/428/](http://docs.lib.purdue.edu/open_access_theses/428/)  
Preschoolers' physical, social, and engineering play behaviors: Differences in gender and play environment.

## FELLOWSHIPS, AWARDS, & HONORS

---

2019 *Poster Award: Guided Playful Learning Workshop*  
Cognitive Science Society

2017-2019 *Horizon Postdoctoral Fellowship*  
Departments of Education and Psychology, Concordia University, \$95,000 CAD.

2017	<i>Center for Families Research Award</i> Virginia Gould Butterfield Endowment, Center for Families, Purdue University, \$1,000.
2016	<i>General Research Award</i> Purdue Graduate Student Government, \$350.
2015	<i>Travel Award</i> Society for Research in Child Development, \$300.
2014	<i>Travis Dorsch and Breanna Studenka Interdisciplinary Research Award</i> Center for Families, Purdue University, \$500.
2012-2013	<i>Ross Fellowship</i> Department of Human Development and Family Studies, Purdue University, \$18,000.
2012	<i>Phi Beta Kappa Society, Alpha Delta Chapter of New York</i> State University of New York at Geneseo
2011	<i>Undergraduate Summer Research Fellowship</i> Geneseo Foundation, State University of New York at Geneseo, \$3,000.
2010	<i>Psi Chi International Honor Society in Psychology</i> State University of New York at Geneseo
2007-2011	<i>William J. Edgar Fellow</i> College Honors Program Scholarship, State University of New York at Geneseo, \$8,000.

## **COURSES TAUGHT**

---

HDV	343	Early Childhood Play Behavior	SUNY Oswego	2021-
HDV	490	Practicum in Research		2021-
HDV	302	Research Methods in Human Development II	-	2020-
HDV	322	Child Development	-	2020-
PSYC	485	Specialization Project	Concordia University	2018-2019
EDUC	311	Child Development II: Ecology of the Family	-	2018
PSYC	215	Child Development (Online)	SUNY Geneseo	2016
HDFS	212	Child Observation Practicum	Purdue University	2015
HDFS	491	Mentored Research in Human Development	-	2015-2017

## **GUEST LECTURES**

---

CHST	622	The Family	Concordia University	2019
CHST	620	Play: From Theory to Practice	-	2018
HDFS	409	Science in Preschool and Primary Grades	Purdue University	
HDFS	311	Child Development	-	2015
HDFS	341	Working with Parents	-	2014
HDFS	420	Foundations of Infant/Toddler Curriculum	-	2014
HDFS	331	Helping Skills in Individual and Family Settings	-	2014-2015
HDFS	343	Assessment and Case Management	-	2013-2014
PSYC	390	Gender and Development of Aggression	SUNY Geneseo	2016

## TEACHING ASSISTANTSHIPS

---

HDFS	331	Helping Skills in Individual and Family Settings	Purdue University	2013-2014
HDFS	343	Assessment and Case Management	Purdue University	2013-2014
PSYC	338	Animal Behavior	SUNY Geneseo	2012
PSYC	215	Child Development	SUNY Geneseo	2011

## GRANTS

---

**Curriculum Innovation Grant. Development of HDV/ECH 343: Early Childhood Play Behavior.** Committee on Teaching and Learning (COLT). May 15, 2021 – December 10, 2021. (Principal Investigator) with Dr. Rebecca Burch, State University of New York at Oswego, \$3,600.

**The Effects of Rigamajig® Play Materials on Elementary Children’s Early Development, Learning, and Interest in STEM.** KABOOM! National Non-Profit in partnership with The CarMax Foundation. February 25, 2019 – December 31, 2019. (Principal Investigator) with Dr. James Elicker, Purdue University, & Dr. Nina Howe, Concordia University, \$75,000.

**Development of Project-Based Lesson Plans for K-5 Educators with Rigamajig® Play Materials.** KABOOM! National Non-Profit in partnership with The CarMax Foundation. January 15, 2019 – June 30, 2019. (Principal Investigator) with Dr. James Elicker, Purdue University, \$10,500.

**Investigation-Based Teaching Practices to Foster Engineering Play Behaviors in Young Children.** Kodo Kids™ Educational Company, LLC. May 15, 2016 – August 31, 2017. (Principal Investigator) with Dr. James Elicker, Purdue University, \$12,438.

**Evaluating the “Enhanced Block Party” Training Program: Promoting Preschoolers’ School Readiness.** Purdue Extension: College of Health and Human Sciences. Grant No. RFP-FY-2017. Purdue University Cooperative Extension Service. April 1, 2016 – August 31, 2017 (Principal Investigator) with Dr. James Elicker, Purdue University, \$6,890.

## PUBLICATIONS

---

8. **Gold, Z. S.,** Elicker, J., Evich, C. D., Mishra, A. A., Howe, N., & Weil, A. E. (minor revisions). Engineering play, executive function, and planning skills in children with and without disabilities. *Journal of Engineering Education*.
7. **Gold, Z. S.,** Elicker, J., Kellerman, A. M., Christ, S. L., Mishra, A. A., & Howe, N. (2021). Engineering play, mathematics, and spatial skills in children with and without disabilities [Special Issue]. *Early Education and Development*, 32(1), 49-65. doi:10.1080/10409289.2019.1709382
6. **Gold, Z. S.,** & Elicker, J. (2020). Engineering peer play: A new perspective on science, technology, engineering, and mathematics (STEM) early childhood education. In A. Ridgway, G. Quiñones, & L. Li (Eds.), *Peer Play and Relationships in Early Childhood: International Perspectives on Early Childhood Education and Development*, Vol. 30 (pp. 61-75). Switzerland: Springer Nature. doi:10.1007/978-3-030-42331-5\_5
5. **Gold, Z. S.,** Elicker, J., & Beaulieu, B. A. (2020). Learning engineering through block play: STEM in preschool [STEM Cluster]. *Young Children*, 75(2), 24-29.

4. Gregori, E. V., Wendt, O., Gerow, S., Peltier, C., Genc-Tesun, D., Lory, C., & **Gold, Z. S.** (2020). Functional communication training for adults with autism spectrum disorder: A systematic review and quality appraisal. *Journal of Behavioral Education, 29*(1), 42-63. doi:10.1007/s10864-019-09339-4
3. Purpura, D. J., Napoli, A. R., Wehrspann, E. A., & **Gold, Z. S.** (2017). Causal connections between mathematical language and mathematical knowledge: A dialogic reading intervention. *Journal of Research on Educational Effectiveness, 10*(1), 116-137. doi:10.1080/19345747.2016.1204639
2. **Gold, Z. S.**, Elicker, J., Choi, J. Y., Anderson, T., & Brophy, S. P. (2015). Preschoolers' engineering play behaviors: Differences in gender and play context. *Children, Youth and Environments, 25*(3), 1-21. doi:10.7721/chilyoutenvi.25.3.0001
1. Whiteman, S. D., Senguttuvan, U., & **Gold, Z. S.** (2015). Siblings. In H. S. Friedman. (Ed.), *Encyclopedia of Mental Health, 2nd Edition, Vol. 4* (pp. 152-157). Waltham, MA: Academic Press. doi:10.1016/B978-0-12-397045-9.00114-2

## **PUBLICATIONS IN REVIEW**

---

1. Elicker, J. **Gold, Z. S.**, Mishra, A. A., & Lane, S. F. (2021). Toddlers' developmental trajectories as a function of QRIS child care quality.

## **PUBLICATIONS IN PREPARATION**

---

2. **Gold, Z. S.**, Howe, N., Elicker, J., Choi, J. Y., Fuoco, J., & Lehmann, K. (2021). Loose parts play: Longitudinal implications for physical activity and social competence.
1. **Gold, Z. S.**, Perlman, J., Howe, N., Mishra, A. A., & DeHart, G. B. (2020). "We can fix it! Connect the pieces:" Observed problem solving skills in construction play with friends.

## **MEASUREMENT DEVELOPMENT**

---

**Gold, Z. S.**, & Elicker, J. (2020). *Physical and Motor Skills Development in Constructive Play Contexts*. Copyright © 2019 Zachary S. Gold, Ph.D., Montreal, QC: Concordia University.

**Gold, Z. S.**, Howe, N., & Dunfield, K. A. (2019). *Observed Executive Functioning in Block Play*. Copyright © 2019 Zachary S. Gold, Ph.D., Montreal, QC: Concordia University.

**Gold, Z. S.**, Howe, N., & Perlman, J. (2019). *Spatial Processes and Complexity in Block Building Configurations*. Copyright © 2019 Zachary S. Gold, Ph.D., Montreal, QC: Concordia University.

**Gold, Z. S.**, Howe, N., & Perlman, J. (2018). *Problem Solving Observation Scheme (PSOS)*. Copyright © 2018 Zachary S. Gold, Ph.D., Montreal, QC: Concordia University.

**Gold, Z. S.**, Elicker, J., Bairaktarova, D., & Evangelou, D. (2017). *Engineering Play Behaviors (EPB)*. Copyright © 2018 Zachary S. Gold, Ph.D., West Lafayette, IN: Purdue University.

## TRANSLATIONAL PUBLICATIONS & CONTRIBUTIONS

---

**Gold, Z. S.,** & Watson, K. (2020). *Family Play Plan Series: Home-Based Lesson Plans for Children and their Caregivers during the COVID-19 Pandemic*. Produced and disseminated in partnership with the Children’s Museum of Oswego (CMOO).

<https://cmoo.org/uncategorized/play-plan-series/>

**Gold, Z. S.** (2020). *Engineering Play Pedagogy*. Materials included in P. Donaldson (Primary Curriculum Lead), Exploring Play-Based Pedagogy for Nursery and Primary Technologies in the Scottish Curriculum for Excellence. Master of Education Program, University of Glasgow, UK.

**Gold, Z. S.,** & Elicker, J. (2019). *Project-Based Lesson Plans for K-5 Educators with Rigamajig® Play Materials*. Produced and disseminated by the KABOOM! National Non-Profit in partnership with The CarMax Foundation and Professor Cas Holman, Rhode Island School of Design.

<https://www.rigamajig.com/project-plans/>

**Gold, Z. S.,** Elicker, J., & Beaulieu, B. A. (2017). *The Enhanced Block Party: Fostering Engineering Play Behaviors in Young Children* [Professional Development Film]. Produced and disseminated by Purdue University Extension. Peer reviewed by Dr. Aikaterini Bagiati, Massachusetts Institute of Technology, & Dr. Treshawn Anderson, Frank Porter Graham Child Development Institute.

[edustore.purdue.edu/item.asp?Item\\_Number=HHS-834-WV](http://edustore.purdue.edu/item.asp?Item_Number=HHS-834-WV)

**Gold, Z. S.,** & Elicker, J. (2017). *Demystifying Engineering in Early Childhood* [Professional Product Consultant]. Kodo Kids™ Educational Company.

<https://kodo.learnupon.com/store/486253-demystifying-engineering-in-early-childhood>

**Gold, Z. S.,** Beaulieu, B. A., & Elicker, J. (2017). Creating homemade blocks for young children. In A. H. Ahmed & A. Berg (Eds.), *Purdue Extension Publications*. Peer reviewed by Dr. Diane W. Bales, University of Georgia, & Dr. Demetra Evangelou, Democritus University of Thrace.

[https://mdc.itap.purdue.edu/item.asp?Item\\_Number=HHS-824-W](https://mdc.itap.purdue.edu/item.asp?Item_Number=HHS-824-W)

**Gold, Z. S.** (2015). *Preschool Research to Practice* [Peer commentary on the paper “Acquisition of the cardinal word principle: The role of input” by K. S. Mix, C. M. Sandhofer, J. A. Moore, & C. Russell]. In D. J. Purpura & S. A. Schmitt (Eds.), *Vol. 1, Issue 1*.

[Preschool Research to Practice - Issue 1 Volume 1.pdf](#)

## REFEREED CONFERENCE PRESENTATIONS \* denotes student advisee

---

**Gold, Z. S.,** Perlman, J.\*, Howe, N., & DeHart, G. B. (2020, December). *“We can fix it! Connect the pieces:” Problem solving skills in construction play with friends*. Paper presentation accepted at the Society for Research in Child Development Special Topic Meeting: Learning through Play and Imagination, St. Louis, MO. Conference rescheduled due to Coronavirus.

Moore, N.\*, Bearss, B.\*, Shin, M.\*, Rosenberg, S.\*, Kamean, C.\*, Sassouni, L.\*, **Gold, Z. S.,** & DeHart, G. B. (2020, May). *Gender differences in preschoolers’ prosocial behavior toward peers during engineering play*. Poster session accepted at the annual meeting of the Association for Psychological Science, Chicago, IL. Conference cancelled due to Coronavirus.

- Gold, Z. S.,** Elicker, J., Howe, N., Ratliff, L., Parpart, L., & Opdahl, K. (2020, March). *Creating future innovators through creative play and STEM learning*. Proceedings of the annual conference of the International Technology and Engineering Educators Association: Elementary STEM Focus Strand, Baltimore, MD. Conference cancelled due to Coronavirus.
- Gold, Z. S.,** Elicker, J., & Howe, N. (2019, July). Engineering play: Associations with spatial skills, mathematics, and executive function in guided block play. In E. N. Daubert & P. Shafto (Chairs), *Guided Playful Learning Workshop: Developmental, Computational, and Education Perspectives*. Poster session conducted at the annual meeting of the Cognitive Science Society, Montréal, QC.
- Gold, Z. S.,** Elicker, J., Beaulieu, B. A., Cangany, L., Horner, J., Muller, K., & Nagele, M. (2018, June). *Evaluation of a preschool teacher training program to foster engineering play behaviors in young children*. Poster session presented at the annual meeting of the Administration for Children and Families' National Research Conference on Early Childhood, Arlington, VA.
- Gold, Z. S.,** Elicker, J., Christ, S. L., Kellerman, A. M., Evich, C. D., Weil, A. E.\*, & Mishra, A. A. (2018, June). *Engineering play: Exploring associations with executive function, mathematical ability, and spatial ability in preschool*. Poster session presented at the annual meeting of the Administration for Children and Families' National Research Conference on Early Childhood, Arlington, VA.
- Gold, Z. S.,** Elicker, J., Beaulieu, B. A., Cangany, L., Horner, J., Muller, K., & Nagele, M. (2018, May). *Evaluating the "Enhanced Block Party" teacher training project: Fostering engineering play behaviors in young children*. Poster session presented at the annual meeting of the Canadian Developmental Psychology Conference, St. Catharines, ON.
- Gold, Z. S.,** Elicker, J., Kasper M.\*, Catania, G.\*, Schenkel, L.\*, & Kasper M.\* (2018, May). *Engineering play: Associations with preschoolers' spatial ability, mathematical ability, executive function, and planning*. Poster session presented at the annual meeting of the Canadian Developmental Psychology Conference, St. Catharines, ON.
- Elicker, J., Mishra, A. A., **Gold, Z. S.,** & Lane S. (2017, April). *Toddlers' and preschoolers' development as a function of participation in QRIS quality rated child care: A longitudinal analysis*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Gold, Z. S.,** Mishra, A. A., & Elicker, J. (2016, July). *Assessing the role of preschoolers' engineering play on trajectories of physical and social play behaviors in a large loose parts context*. Poster session presented at the annual meeting of the Administration for Children and Families' National Research Conference on Early Childhood, Washington, DC.
- Gold, Z. S.,** Elicker, J., Choi, J. Y., & Anderson, T. (2015, March). *Gender and play context differences in preschoolers' physical, social, and engineering play*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Gold, Z. S.,** Anderson, T., Choi, J. Y., & Elicker, J. (2014, July). *Preschoolers' social, physical, and early engineering play in the traditional playground, the dramatic play area, and with large, manipulable, loose parts: A comparison of university laboratory school children with Head Start children*. Poster session presented at the annual meeting of Head Start's National Research Conference on Early Childhood, Washington, DC.

- Gold, Z. S.** & Elicker, J. (2014, April). *Preschoolers' play behaviors with large, manipulable, loose parts*. Symposium conducted at the annual meeting of the Indiana Early Childhood Conference, Indianapolis, IN.
- Gold, Z. S.** & DeHart, G. B. (2013, April). *Gender differences in the perceptions of adolescents' playful and aggressive use of sarcasm*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Whiteman, S. D., Jensen, A. C., & **Gold, Z. S.** (2013, April). *Similarities and differences in adolescent siblings' substance use: Testing convergent and divergent influence processes*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- DeHart, G. B., **Gold, Z. S.**, Ottolia, G. L., Pudlewski, C. L., Vizzi, M. A., Bellomo, L. P., Van Voorhis, M., Cohoon, L. M., & Shakeel, S. A. (2012, July). *Sarcasm as verbal rough-and-tumble play in adolescents' interactions with siblings and friends*. Poster session presented at the biennial meeting of the International Society for the Study of Behavioral Development, Edmonton, AB.
- Gold, Z. S.**, Derella, O. J., Inzerillo, J. N., McGuey, D. E. B., Iodko, O., Tiede, G. M., Whalen, J. W., & DeHart, G. B. (2012, May). *Assertive and affiliative language in 7-year-olds' and 17-year-olds' interactions with siblings and friends*. Poster session presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- DeHart G. B., Bradley, A. M., **Gold, Z. S.**, Pudlewski, C. L., Ottolia, G. L., Vizzi, M. A., Van Voorhis, M., & Bellomo, L. P. (2011, March). Playful and aggressive use of irony in adolescents' conversations with siblings and friends. In A. E. Luckner & G. B. DeHart (Chairs), *Using and understanding irony: Playful and aggressive language and behavior in social, cultural, and developmental contexts*. Symposium conducted at biennial meeting of the Society for Research in Child Development, Montréal, QC.
- Gold, Z. S.**, Cope, A. C., Derella, O. J., Inzerillo, J. N., Whalen, J. W., Zeiser, K. E., & DeHart, G. B. (2011, March). *The role of gender and partner in adolescents' use of assertive and affiliative language in interactions with siblings and friends*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Montréal, QC.

## **INVITED PRESENTATIONS**

---

- Gold, Z. S.** (2018, November). *Constructive play in early childhood*. Invited colloquium presented at the State University of New York at Geneseo, Department of Psychology, Geneseo, NY.
- Elicker, J., **Gold, Z. S.**, Lane, S. Mishra, A. A., & Christ, S. (2018, May). *Indiana Paths to QUALITY Phase II evaluation research*. Invited webinar presentation to the Quality Initiatives Research and Evaluation Consortium, Department of Health and Human Services, Office of Planning Research, and Evaluation, Washington, DC.
- Gold, Z. S.**, Mishra, A. A., Lane, S., & Elicker J. (2018, February). Policy implications of Indiana's QRIS evaluation: Longitudinal findings on child outcomes, classroom quality, provider advancement, and parent awareness. In K. Tout (Discussant), *Quality Rating and Improvement Systems: New evidence and new questions for the future*. Invited panel discussion at the annual meeting of the Child Care and Early Education Policy Research Consortium, Arlington, VA.

- Elicker, J., **Gold, Z. S.**, Lane, S. Mishra, A. A., & Christ, S. (2017, March). *Factors predicting quality advancement in QRIS: Provider characteristics and coach support*. Invited webinar presentation to the Quality Initiatives Research and Evaluation Consortium, Department of Health and Human Services, Office of Planning Research, and Evaluation, Washington, DC.
- Elicker, J., **Gold, Z. S.**, Lane, S. Mishra, A. A., & Christ, S. (2017, March). Factors predicting quality advancement in QRIS: Provider characteristics and coach support. In M. Warner-Richter (Discussant), *Improving quality in early childhood education: What is the role of professional development?* Invited panel discussion at the annual meeting of the Child Care and Early Education Policy Research Consortium, Washington, DC.
- Gold, Z. S.** (2016, March). *Early engineering during construction play as a context for development and school readiness*. Invited colloquium presented at the State University of New York at Geneseo, Department of Psychology, Geneseo, NY.
- Ruprecht, K. M., Elicker, J., **Gold, Z. S.**, & Mishra A. A. (2015, December). Coaching and quality improvement: How does program quality change over time? In M. Campbell (Discussant), *Findings from studies of quality improvement in Quality Rating and Improvement System (QRIS)*. Invited panel discussion at the annual meeting of the Child Care and Early Education Policy Research Consortium, Washington, DC.
- Elicker, J., **Gold, Z. S.**, Mishra, A. A., Ruprecht, K. M., & Yazejian, N. (2015, July). *Coaching and quality improvement: How does program quality change over time?* Invited symposium presented at the annual QRIS National Meeting, BUILD Initiative, National Harbor, MD.
- Elicker, J., Ruprecht K. M., Lane, S., **Gold, Z. S.**, & Addie, H. R.\* (2015, July). *Paths to QUALITY Evaluation Phase 2: Preliminary results report*. Presented at the annual meeting of State of Indiana's Family and Social Services Administration-Child Care Bureau, Indianapolis, IN.

## **LOCAL PRESENTATIONS**

---

- Gold, Z. S.**, Hertik, H.\* & Buckley, J.\* (2021, April). *Evaluating Children's Problem Solving in a Collaborative Building Task*. Poster presented at the annual Quest Symposium, State University of New York at Oswego, Oswego NY.
- Gold, Z. S.**, Howe, N., Elicker, J., Bergeron, C., Fuoco, J.\* , Longo, M.\* , Lehmann, K.\* , & Infantino, E.\* (2020, January). *Longitudinal effects of Rigamajig® building materials on elementary children's engineering play, physical activity, and social competence*. Poster presented at the annual meeting of the Centre for Research in Human Development, Concordia University, Montreal, QC.
- Gold, Z. S.**, Perlman, J.\* , Howe, N., & DeHart, G. B. (2020, January). *"We can fit it! Connect the pieces:" Observed problem solving skills in construction play with friends*. Poster presented at the annual meeting of the Centre for Research in Human Development, Concordia University, Montreal, QC.
- Bayoun, Y.\* , **Gold, Z. S.**, Dunfield, K. A., & Howe. H. (2019, January). *Observing executive function and spatial patterns in collaborative block play: A cross-cultural comparison*. Poster presented at the Fourth Annual Human Development Conference, McGill University, Montreal, QC.



- Gold, Z. S.** (2019, January). *Engineering play: A new perspective on STEM in early education*. Symposium presented at the annual meeting of the Centre for Research in Human Development, Concordia University, Montreal, QC.
- Bayoun, Y. \*, **Gold, Z. S.**, Dunfield, K. A., & Howe, H. (2019, January). *Observing executive function and spatial patterns in collaborative block play: A cross-cultural comparison* Poster presented at the annual meeting of the Centre for Research in Human Development, Concordia University, Montreal, QC.
- Gold, Z. S.**, Perlman, J. \*, Howe, N., & DeHart, G. B. (2019, January). *Problem solving in children's constructive play with siblings and friends*. Poster presented at the annual meeting of the Centre for Research in Human Development, Concordia University, Montreal, QC.
- Beaulieu, B. A., **Gold, Z. S.**, Elicker, J., Horner J., Muller, K., Cangany L., & Nagele, M. (2018, June). *Fostering engineering play behaviors in young children*. Symposium presented at the annual National Extension Association for Family and Consumer Sciences, San Antonio, TX.
- Beaulieu, B. A., Elicker, J., & **Gold, Z. S.** (2017, November). *Introducing the Enhanced Block Party*. Media display presented at the annual Purdue Extension Professional Development Conference, West Lafayette, IN.
- Gold, Z. S.**, Elicker, J., & Beaulieu, B. A. (2017, April). *The Enhanced Block Party: Fostering engineering play behaviors in young children*. Presented at the College of Health and Human Sciences Cooperative Extension Service's Annual Conference for Early Educators, West Lafayette, IN.
- Gold, Z. S.**, Hine, C., & Elicker, J. (2016, November). *Investigation based teaching practices to foster engineering play behaviors in young children*. Teacher professional development workshop presented at the Ben and Maxine Miller Child Development Laboratory School, Purdue University, West Lafayette, IN.
- Gold, Z. S.**, & Beaulieu, B. A. (2016, November). *Educational uses for engineering play in early childhood settings*. Invited discussion presented at the annual State Conference of the Purdue Council on Agriculture, Research, Extension, and Teaching, West Lafayette, IN.
- Beaulieu, B. A., & **Gold, Z. S.** (2016, October). *Block Party: An interactive parent-child block play workshop*. Presented at Purdue University Lyles-Porter Hall, Indiana University School of Medicine – Lafayette, West Lafayette, IN.
- Schmitt, S. A., Nichols Linebarger, D. L., Purpura, D. J., Elicker, J., & **Gold, Z. S.** (2016, October). *Innovations in early learning: Self-regulation and STEM*. Presented at the Ben and Maxine Miller Child Development Laboratory School 90<sup>th</sup> Anniversary Commemoration, West Lafayette, IN.
- Elicker, J., Ruprecht, K. M., Anderson, T., & **Gold, Z. S.** (2015, March). *Evaluation of Paths to QUALITY, Indiana's child care quality rating and improvement system: Implementation, validity and outcomes*. Poster session presented at the annual meeting of the Purdue University Scholarship of Engagement Workshop, West Lafayette, IN.
- Gold, Z. S.** (2014, November). *Educational benefits of the Imagination Playground<sup>TM</sup> Blocks*. Invited workshop presented to the Purdue Council on Agriculture, Research, Extension, and Teaching, West Lafayette, IN.

**Gold, Z. S.,** & Elicker, J. (2014, September). *Preschoolers' physical, social, and engineering play behaviors: Differences in gender and play environment*. Presented at the annual meeting of the Purdue University Center for Families Advisory Council, West Lafayette, IN.

## **TECHNICAL REPORTS**

---

**Gold, Z. S.,** Elicker, J., Howe, N., Bergeron, C., Fuoco, J.\*, Longo, M.\*, Lehmann, K.\*, & Infantino, E.\* (2019). *The effects of Rigamajig play materials on elementary children's early development, learning, and interest in STEM*. (Technical Report). Submitted to the KABOOM! National Non-Profit. Montreal, QC: Concordia University.

Elicker, J., Lane, S., **Gold, Z. S.,** Mishra, A. A., & Christ, S. (2018). Final report: *Paths to QUALITY Evaluation* (Technical Report). Submitted to the Indiana Office of Early Childhood and Out of School Learning Family and Social Services Administration. West Lafayette, IN: Purdue University. Retrieved from <https://docs.lib.purdue.edu/cffpub/70/>

**Gold, Z. S.,** & Elicker, J. (2017). *Engineering play: Exploring associations with executive function, mathematical ability, and spatial ability in preschool*. (Technical Report). Submitted to the Purdue University Center for Families. West Lafayette, IN: Purdue University.

Elicker, J., **Gold, Z. S.,** Beaulieu, B. A., Cangany, L. Muller, K., Nagele, M., Horner, J., & Hine, C. (2017). *Final report: Evaluation of the Purdue University/Kodo Kids™ teacher training project "The Enhanced Block Party: Fostering engineering play behaviors in young children."* (Technical Report). Submitted to the College of Health and Human Sciences Cooperative Extension. West Lafayette, IN: Purdue University.

Elicker, J., **Gold, Z. S.,** & Beaulieu, B. A. (2017). *Final report: Evaluation of Purdue University/Kodo Kids™ teacher training project "The Enhanced Block Party: Fostering engineering play behaviors in young children"* (Technical Report). Submitted to Kodo Kids™ Educational Company LLC. West Lafayette, IN: Purdue University.

Elicker, J., Lane S., **Gold, Z. S.,** & Christ, S. L. (2017). *Paths to QUALITY evaluation progress report*. (Technical Report). Submitted to the Indiana Office of Early Childhood and Out of School Learning. West Lafayette, IN: Purdue University.

**Gold, Z. S.,** Elicker, J., & Beaulieu, B. A. (2017). *The Enhanced Block Party: Fostering engineering play behaviors in young children: Mid-project report*. (Technical Report). Submitted to the College of Health and Human Sciences Cooperative Extension. West Lafayette, IN: Purdue University.

Elicker, J., Lane S., **Gold, Z. S.,** & Mishra, A. A. (2016). *Paths to QUALITY evaluation progress report*. (Technical Report). Submitted to the Indiana Office of Early Childhood and Out of School Learning. West Lafayette, IN: Purdue University.

Elicker, J., Ruprecht, K., **Gold, Z. S.,** & Mishra, A. A. (2015). *Paths to QUALITY evaluation progress report*. (Technical Report). Submitted to the Indiana Family and Social Services Administration-Child Care Bureau. West Lafayette, IN: Purdue University.

**Gold, Z. S.,** Elicker, J., Anderson, T., & Choi, J. Y. (2015). *Preschoolers' physical, social, and engineering play behaviors: Differences in gender and play environment*. (Technical Report). Submitted to the Purdue University Center for Families. West Lafayette, IN: Purdue University.

Elicker, J., Anderson, T., Choi, J. Y., Schlesinger-Devlin, E., & **Gold, Z. S.** (2013). *Children's social competence, physical activity, and early engineering thinking in the Imagination Playground™, traditional playground, and dramatic play area.* (Technical Report). Submitted to the KABOOM! National Non-Profit. West Lafayette, IN: Purdue University.

## RESEARCH BRIEFS

---

Elicker, J., **Gold, Z. S.**, & Howe, N. (2019). *The effects of Rigamajig® play materials on elementary children's early development, learning, and interest in STEM.* (Research Brief). Submitted to the KABOOM! National Non-Profit. Montreal, QC: Concordia University.

Elicker, J., **Gold, Z. S.**, Beaulieu, B. A., Cangany, L. Muller, K., Nagele, M., Horner, J., & Hine, C. (2017). *The Enhanced Block Party: A new preschool teacher training supporting young children's play using investigation-based teaching practices.* (Research Brief). Submitted to the College of Health and Human Sciences Cooperative Extension. West Lafayette, IN: Purdue University.

Elicker, J., **Gold, Z. S.**, & Beaulieu, B. A. (2017). *The Enhanced Block Party: A new preschool teacher training supporting young children's play using investigation-based teaching practices.* (Research Brief). Submitted to Kodo Kids™ Educational Company LLC. West Lafayette, IN: Purdue University.

Elicker, J., **Gold, Z. S.**, & Lane S. (2017). *Paths to QUALITY evaluation statewide parent awareness survey* (Research Brief). Submitted to the Indiana Office of Early Childhood and Out of School Learning. West Lafayette, IN: Purdue University.

## MEDIA COVERAGE

---

2020 *Children's museum of Oswego to offer free resource in collaboration with SUNY faculty member* – By the Watertown Daily Times (NNY360.com, Newsbreak.com, Dailyadvent.com, @iloveny)  
<https://www.newsbreak.com/news/entertainment/2123779343479/childrens-museum-of-oswego-to-offer-free-resource-in-collaboration-with-suny-faculty-member>

2020 *CMOO launches new at-home play plans* – By the Palladium-Times (Oswegocountynewsnow.com)  
[http://www.oswegocountynewsnow.com/news/cmoo-launches-new-at-home-play-plans/article\\_db316130-3314-11eb-8b1d-2f246f350ec7.html](http://www.oswegocountynewsnow.com/news/cmoo-launches-new-at-home-play-plans/article_db316130-3314-11eb-8b1d-2f246f350ec7.html)

2020 *New research linking Rigamajig® with kids' STEM learning* – By KABOOM!  
[https://kaboom.org/creative\\_play/rigamajig/research\\_kids\\_stem\\_learning](https://kaboom.org/creative_play/rigamajig/research_kids_stem_learning)

## PROFESSIONAL SERVICE

---

### *Journal Reviewer*

Early Education and Development (1)  
Merrill-Palmer Quarterly (1)

2019-  
2017-

*Conference Reviewer*  
Administration for Children and Families (ACF),  
National Research Conference on Early Childhood

2016-

## **COMMUNITY SERVICE**

---

**Gold, Z. S.** (2020, November). *Supporting Children's Executive Function Skills with Imagination Playground™ Big Blue Blocks*. Staff training conducted for the Children's Museum of Oswego (CMOO), Oswego, NY.

**Gold, Z. S.** (2020, October). *Identifying and Supporting Children's Learning and Development through Informal Play Experiences*. Staff training conducted for the Children's Museum of Oswego (CMOO), Oswego, NY.

## **DEPARTMENTAL SERVICE**

---

*Committee Chair, Media and Communications*, Department of Human Development  
State University of New York at Oswego (2020-)

*Graduate Student Advisor, Founding Member*, Human Development and Family Studies Club  
Purdue University (2015)

*Graduate Student Recruitment Committee*, Department of Human Development and Family Studies  
Purdue University (2015)

## **PROFESSIONAL AFFILIATIONS**

---

Cognitive Science Society	2019-
Jean Piaget Society	2016-
American Educational Research Association	2014-
National Association for the Education of Young Children	2014-
Society for Research in Child Development	2011-
U.S. Play Coalition	2021-

## **TECHINICAL SKILLS**

---

*Statistical Analysis Packages: SAS, SPSS, STATA*

*Methodological Foci: Observational Methodology, RCT Intervention Design, Measurement Development*