

Brenda Caldwell Phillips
Curriculum Vitae

Contact Information

Department of Psychological & Brain Sciences
Boston University
64 Cummington Mall
Boston, MA 02215

Office Phone: 617.358.0654
Cell Phone: 781.869.0508
Email: bcp@bu.edu

Education

Degrees

Ph.D., Developmental Psychology, Boston University, 2009.
Advisor: Deborah Kelemen, Ph.D.

M.A. (Hons), Clinical Psychology, Saint Michael's College, 2000.
Advisor: Sharon Lamb, Ed.D.

B.S. (Hons), Psychology, Pennsylvania State University, 1996.
Advisor: Pamela Cole, Ph.D.

Postdoctoral Training

Harvard University, School of Engineering & Applied Sciences. April 2011 - July 2013.
SDR Lab. Mentors: Chia Shen and Margaret Evans.

Vanderbilt University, Psychology & Human Development. August 2009 - March 2011.
Diagrammatic Reasoning Lab. Mentor: Laura Novick.

University of Sheffield, Philosophy. September 2008 - August 2009.
Centre for Cognitive Studies. Mentors: Stephen Laurence and George Botterill.

Current Positions

Lecturer

Boston University
Department of Psychology & Brain Sciences
January 2013 - Present

Research Associate

Harvard University
School of Engineering & Applied Sciences (SEAS)
August 2013 - Present

Prior Teaching Experience

Instructor

University of Massachusetts Boston, Department of Counseling and School Psychology
Course: Clinical Applications to Human Development
Fall 2012

University of Massachusetts Boston, Department of Psychology
Course: Language Development
Fall 2012

Boston University, Department of Psychology
Course: Social Psychology
Fall 2012

University of Sheffield, Department of Philosophy
Course: Philosophy of Psychology
Spring 2009

Boston University, Summer Challenge Program Sessions I & II
Course: Introduction to Psychology
Summer 2005

Johnson State College, Department of Behavioral Sciences
Course: Introduction to Psychology
Spring 2005

Community College of Vermont, Department of Social Sciences
Course: Introduction to Psychology
Fall 2001 & Spring 2002

Graduate Teaching Fellow

Boston University, Department of Psychology
Course: Social Psychology
Spring 2003, Spring 2004, Fall 2004, Spring 2005, & Fall 2006

Prior Research Training

Graduate Research Assistant

Child Cognition Lab. Advisor: Deborah Kelemen.
Topics: Conceptual Development, Social Cognition, Language Development
Boston University, 2005 - 2008.

Economic Inequality Lab. Advisor: Deborah Belle.
Topics: Moral Development, Social Cognition, Parental Monitoring
Boston University, 2002 - 2005.

Social Development Lab, Advisor: Sharon Lamb.
Topics: Moral Development, Social Cognition, Parental Discipline Styles
Saint Michael's College, 1998 - 2000.

Undergraduate Research Assistant

Child Development Lab. Advisor: Pamela Cole.
Topics: Developmental Psychopathology, Inhibitory Control
Pennsylvania State University, 1994 - 1996.

Stress & Anxiety Institute
Topic: Social Anxiety Disorders
Pennsylvania State University, 1994 - 1995.

Clinical Experience

Child and Family Psychotherapist, The Center for Counseling and Psychological Services,
Montpelier, Vermont, 1999 - 2002.

Psychotherapist (practicum), University of Vermont Counseling Center
Burlington, Vermont, 1998 - 1999.

Child and Family Psychotherapist (practicum), Maternal Child Health,
Visiting Nurses Association, Colchester, Vermont, 1997 - 1998.

Intake Coordinator and Mental Health Technician, Northeastern Family Institute,
Winooski, Vermont, 1997 - 1998.

Mental Health Technician, Child and Adolescent Unit, Meadows Psychiatric Center,
Centre Hall, PA, 1994 - 1996.

Honors and Awards

Proceedings of Human Factors in Computing Systems (CHI'15), Best Paper Award, 2015.

Proceedings of Computer Supported Collaborative Learning, Best Design Paper, 2013.

Felicia Sorembe Lambros Graduate Scholarship, Boston University, 2008.

Graduate Student Association Travel Award, Boston University, 2008.

Presidential Scholarship, Boston University, 2002.

Social Science Research Award, Saint Michael's College, 1999.

Psi Chi Member, 1994 - 1996.

Professional Affiliations

Association for Psychological Science

Cognitive Development Society

International Association for the Study of Child Language

Jean Piaget Society

Society for Environmental, Population, and Conservation Psychology

Society for Research in Child Development

Ad Hoc Reviewer

Child Development
Cognition
Cognitive Development
Cognitive Science
Developmental Science
Early Education & Development
Journal of Experimental Psychology: Learning, Memory, and Cognition
Personality & Individual Differences
Psychological Science
Science Education
Science & Education
The Review of Philosophy & Psychology

University and Departmental Service

Directed Study Advisor, Boston University, Fall 2014 – Spring 2016.
Teaching as Research (TAR) Fellowship Advisor, Boston University, Spring 2015 – Fall 2015.
Honors in Psychology, Thesis Advisor, Boston University, Fall 2014 – Spring 2015.
Travel Grant Officer, Graduate Student Organization, Boston University, 2007 – 2008.
Representative, Graduate Student Organization, Boston University, 2004 – 2008.
Committee Chair, Human Development Colloquium Series, Boston University, 2003 – 2008.
Graduate Student Representative, Ethics Committee, Boston University, Fall 2002.

Teaching Interests

Children & Nature
Clinical Applications to Human Development
Developmental Psychology
Experimental Psychology
General Psychology
Collaborative Human-Computer Interaction
Language Development
Psychology of Family
Social Psychology

Research Interests

Conceptual Development
Informal Science Learning
Human-Computer Interaction
Language Acquisition
Social-Cognitive Development

Publications

Horn, M., Phillips, B., Evans, M.E., Block, F., Diamond, J., and Shen, C. (In press). Visualizing Biological data in museums: Visitor learning with an interactive tree of life exhibit. *Journal of Research in Science Teaching*.

- Block, F., Hammerman, J., Horn, M.S., Phillips, B.C., Diamond, J., Evans, M.E. & Shen, C. (2015). Groups in the wild: Quantifying group engagement around interactive tabletop exhibits. Annual Conference on *Human Factors in Computing Systems (CHI'15)*, Seoul, Korea, 2015. **Best Paper Award.**
- Davis, P., Horn, M.S., Schrementi, L., Block, F., Phillips, B.C., Evans, M.E., Diamond, J., & Shen, C. (2013). "Going Deep": Supporting collaborative exploration of evolution in natural history museums. In *Proceedings of Computer Supported Collaborative Learning (CSCL'13)*, 153-160, International Society of the Learning Sciences (ISLS). **Best Paper Design.**
- Catley, K., Phillips, B., & Novick, L. (2013). Snakes and Eels and Dogs! Oh, My! Evaluating High School Students' Tree-Thinking Skills: An Entry Point to Understanding Evolution. *Research in Science Education*, 43, 2327-2348.
- Block, F., Horn, M., Phillips, B., Diamond, J., Evans, M.E., Shen, C. (2012). The DeepTree Exhibit: Visualizing the Tree of Life to Facilitate Informal Learning. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 18(12), 2789-2798.
- Block, F., Wigdor, D., Phillips, B., Horn, M., Shen, C. (2012). FlowBlocks: A Multi-Touch UI for Crowd Interaction. In *Proceedings of the 25th ACM symposium on User Interface Software and Technology (UIST'12)*, 497-508.
- Chua, K.C., Qin, Y.Q., Block, F., Phillips, B., Diamond, J., Evans, M.E., Horn, M., Shen, C. (2012). FloTree: A Multi-touch Interactive Simulation of Evolutionary Processes. *Proceedings of the 2012 ACM international conference on Interactive tabletops and Surfaces (ITS'12)*, 299 - 302.
- Horn, M.S., Leong, Z.A., Block, F., Diamond, J., Evans, E.M., Phillips, B.C., Shen, C. (2012). Of BATs and APes: Designing an interactive tabletop game for natural history museums. *Proceedings of ACM Conference on Human Factors in Computing Systems*, ACM Press, 2059 - 2068.
- Phillips, B., Novick, L., Catley, K., & Funk, D. (2012). Teaching college students tree-thinking skills: It's not as easy as you think. *Evolution: Education & Outreach*, 5(4), 595 - 602.
- Phillips, B., Seston, R., & Kelemen, D. (2012). Learning about tool categories via eavesdropping. *Child Development*, 83(6), 2057 - 2072.
- Belle, D., & Phillips, B. (2010). Impediments to parental monitoring in the after-school hours. In V. Guilamo-Ramos, P. Dittus, & J. Jaccard (Eds.), *Parental Monitoring of Adolescents*. New York, NY: Columbia University Press.
- Berko Gleason, J., Phillips, B., Ely, R. & Zaretsky, E. (2009). Alligators all around: The acquisition of animal terms in English and Russian. In E. Lieven and J. Guo (Eds.), *Crosslinguistic Approaches to the Psychology of Language: Research in the Tradition of Dan Isaac Slobin* (pp. 17 - 26). Hillsdale, NJ:

Erlbaum.

Wood, J., Glynn, D., Phillips, B., & Hauser, M.D. (2007, September). The perception of goal-directed, rational action in non-human primates, *Science*, 317, 1402 - 1405.

Belle, D., & Phillips, B. (2004). Children's experiences in the after-school hours. In A.G. Cosby, R.E. Greenberg, L. Hill Southward, & M. Weitzman (Eds.), *About Children: An Authoritative Resource on the State of Childhood Today*. American Academy of Pediatrics.

Manuscripts in Preparation

Phillips, B., Horn, M., Evans, E.M., Block, F., Diamond, J., & Shen, C. Folk biology at work: A developmental perspective on how individuals reason about the relationships between humans and other living kinds.

Phillips, B., Berko Gleason, J., & Ely, R. (2015). Parents' use of attentional directives in speech to young children.

Phillips, B., Novick, L., & Catley, K. (2015). Form, function, and habitat: Similarity of judgments among college students and children about evolutionary relatedness.

Peer Reviewed Symposia and Presentations at Professional Meetings

Horn, M., Phillips, B., Evans, E.M., Block, F., Diamond, J., & Shen, C. (2015, April). Learning with scientific data in museums: Social and physical factors. Paper presented at 2015 National Association for Research in Science Teaching Conference. Chicago, Illinois.

Phillips, B., Evans, E.M., Horn, M., Block, F., Diamond, J., & Shen, C. (2015, March). Folk biology at work: How children and adults reason about the relationships between humans and other living kinds. Poster presented at 2015 Society for Research in Child Development Biennial Meeting. Philadelphia, Pennsylvania.

Phillips, B., Evans, E.M., Horn, M., Block, F., Diamond, J., & Shen, C. (2013, April). How is a human like a banana? Conceptions of humans as part of the natural world. Poster presented at the Society for Research in Child Development Biennial Meeting. In J. Coley (Chair), *Intuitive Concepts Versus Biological Science: The Case of Evolution*. Seattle, Washington.

Evans, E.M., Phillips, B., Horn, M., Block, F., Diamond, J., & Shen, C. (2013, April). Active prolonged engagement: When does it become active prolonged "learning"? Paper presented at the Society for Research in Child Development Biennial Meeting. In D. Uttal (Chair), *Developmental Research Outside the Lab: Children's STEM Learning In Museums*. Seattle, Washington.

Phillips, B., Novick, L., & Catley, K. (2011, June). Form, function, & habitat: Similarity of responses among college students and children to questions about evolutionary relatedness. Paper presented at the 42nd Annual Meeting of the Jean Piaget Society Meeting. Berkeley, CA.

- Phillips, B., Kelemen, D., & Seston, R. (2011, March). Learning about artifacts: The role of pedagogical, intentional, and linguistic cues. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Montréal, Quebec.
- Phillips, B., Novick, L., Catley, K., & Funk, D. (2010, August). Interactive effects of diagrammatic format and teleological beliefs on tree thinking. Paper presented at the Annual Conference of the Cognitive Science Society. Portland, OR.
- Phillips, B., Novick, L., & Catley, K. (2010, July.). How high school students reason about the tree of life: A developmental perspective. Paper presented at the International Conference of the Learning Sciences. Chicago, IL.
- Kelemen, D., Seston, R., & Phillips, B. (2010, March). Compelled by function? Young children's action-based categorization of artifacts versus natural objects. Paper presented at the International Conference on Infant Studies. Baltimore, MD.
- Phillips, B. (2009, January). Acquiring artifact knowledge: How young children use pedagogical and intentional cues to learn the function of novel tools. Paper presented at the Central European University. Budapest, Hungary.
- Phillips, B. (2009, January). Experimental and cross-linguistic approaches to the study of artifact cognition. Paper presented at the AHRC Culture & the Mind Project 2009 Artifacts Workshop, University of British Columbia. Vancouver, Canada.
- Phillips, B., Berko Gleason, J., & Ely, R. (2008, July). Look at that nice dog! Parents' use of language to direct children's attention to the world. Poster presented at XI International Congress for the Study of Child Language. Edinburgh, Scotland.
- Phillips, B., Wood, J., & Hauser, M. (2008, July). Reading beneath the surface appearance of events: Primate inferences about goals and intentions. Paper presented at the 31st Annual Meeting of the Japan Neuroscience Society. Tokyo, Japan.
- Phillips, B. (2008, June). Artifact cognition: Pedagogy as a mechanism for cultural learning. Paper presented at the University of Sheffield, Department of Philosophy. Sheffield, England.
- Phillips, B., Kelemen, D., Seston, R., & Casler, K. (2008, March). Young children can categorize novel tools by eavesdropping on others' intentional acts. Paper presented at the International Conference on Infant Studies. In B. Phillips & D. Kelemen (Chairs), *Natural born pedagogy?: The role of mind-reading in cultural knowledge transmission*. Vancouver, Canada.
- Phillips, B. (2008, November). Artifact cognition in human and nonhuman primates. Paper presented at Harvard University, Department of Psychology. Cambridge, MA.
- Phillips, B., Kelemen, D., Casler, K., & Seston, R. (2007, October). The influence of personal exploration on young children's artifact categorization. Paper presented at the Biennial Meeting of the Cognitive Development Society. In L. Bonawitz (Chair), *Learning by doing: The role of exploratory play in cognitive development*. Santa Fe, NM.

Kelemen, D., Casler, K. & Phillips, B. (2007, April). Fixedness and flexibility in children's approach to artifacts and natural objects. Paper presented at the Biennial Meeting of the Society for Research in Child Development. In J.D. Coley (Chair), Development of flexibility in categorization and reasoning within and across domains. Boston, MA.

Belle, D., & Phillips, B. (2007, March). Impediments to parental monitoring in the after-school hours. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Boston, MA.

Kelemen, D., Casler, K. & Phillips, B. (2006, May). Two-year-old children's attributions of function to novel tools. Poster presented at the Association for Psychological Science. New York, NY.

Belle, D., Parker, M., Phillips, B., & Dargouth, S. (2006, March). Subjective social standing, well-being, and values among young college students. Poster presented at the Biennial Meeting of the Society for Research on Adolescence. San Francisco, CA.

Gleason, J.B., Phillips, B., Ely, R., & Zaretsky, E. (2005, July). The truth about cats and dogs: Animal terms in parent-child discourse. Paper presented at X International Congress for the Study of Child Language. Berlin, Germany.

Belle, D., Phillips, B., Darghouth, S., & Parker, M. (2005, April). Turning points in family conversations about poverty, wealth, and economic inequality. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Atlanta, GA.

Darghouth, S., Belle, D., Phillips, B., & Parker, M. (2005, April). Emerging talk on difference: How parents and children speak (and remain silent) about race and ethnicity. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Atlanta, GA.

Phillips, B. & Belle, D. (2004, November). Children's moral responses to poverty and wealth. Paper presented at the Association for Moral Education Annual Conference. Dana Point, CA.

Phillips, B. & Belle, D. (2003, July). Familial values and perceptions of economic inequality. Poster presented at the Association for Moral Education Annual Conference. Krakow, Poland.

Phillips, B. & Lamb, S. (1998, November). Early moral development in toddlers of adolescent mothers. Poster presented at the Association for Moral Education Annual Conference. Minneapolis, MN.