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124544	12-month-old infants rely on other people?s knowledge when responding to speech about absent objects	Maria Osina <sup>1</sup> , Nicholas Tippenhauer <sup>1</sup> , Megan Saylor <sup>1</sup>	<sup>1</sup> Vanderbilt University	3-D-70
124547	The effect of comprehensibility on saliency-based gaze prediction for children and adults watching Sesame Street	Mengguo Jing <sup>1</sup> , Kellan Kadooka <sup>2</sup> , John Franchak <sup>2</sup> , Heather Kirkorian <sup>3</sup>	<sup>1</sup> School of Human Ecology, UWM, <sup>2</sup> University of California, Riverside, <sup>3</sup> University of Wisconsin - Madison	1-A-8
124548	Exploring socioeconomic status differences in executive function across development	Nicole Stucke <sup>1</sup> , Sabine Doebel <sup>2</sup> , Stephanie Carlson <sup>3</sup> , Philip Zelazo <sup>4</sup>	<sup>1</sup> George Mason University, <sup>2</sup> University of Colorado Boulder, <sup>3</sup> University of Minnesota & Reflection Sciences, Inc, <sup>4</sup> Reflection Sciences, Inc.	3-A-15
124552	Pondering preschoolers: Developmental differences in information seeking about new words	Nicholas Tippenhauer <sup>1</sup> , Madison Green <sup>1</sup> , Shanna Loughmiller <sup>1</sup> , Megan Saylor <sup>1</sup>	<sup>1</sup> Vanderbilt University	2-D-82
124553	Naturals vs. strivers: Who do children prefer?	Xin Yang <sup>1</sup> , Xin (Alice) Zhao <sup>2</sup> , Lin Bian <sup>2</sup> , Yarrow Dunham <sup>1</sup>	<sup>1</sup> Yale University, <sup>2</sup> Cornell University	3-F-140
124554	The Development of Children's Understanding of Argument by Analogy	Nicole Lobo <sup>1</sup> , Zachary Horne <sup>1</sup>	<sup>1</sup> Arizona State University	2-B-27
124555	Children's information sharing with a naïve listener in an open-ended task	Allison Williams <sup>1</sup> , Luci Davila <sup>2</sup> , Madalynn Robinson <sup>1</sup> , Jason Scofield <sup>2</sup> , Judith Danovitch <sup>1</sup>	<sup>1</sup> University of Louisville, <sup>2</sup> The University of Alabama	4-F-138



124558	Can preschoolers intentionally forget? Investigating stimulus set type and individual differences in a list-method directed forgetting paradigm.	Melina Knabe <sup>1</sup> , Haley Vlach <sup>1</sup>	<sup>1</sup> University of Wisconsin- Madison	3-B-29
124559	Timing matters: how mindsets messages can promote STEM engagement in a museum setting	Laura Stricker <sup>1</sup> , David Sobel <sup>1</sup>	<sup>1</sup> Brown University	4-G-151
124562	Take home reading: How repetition in a parent-child read aloud changes over five days.	Kirsten Read <sup>1</sup> , Alena Rogojina <sup>1</sup> , Olivia Hauer-Richard <sup>1</sup>	<sup>1</sup> Santa Clara University	4-D-77
124563	Can reading personalized storybooks to children increase their prosocial behavior?	Kirsten Read¹, Ellen Kruse¹, Isabelle Faller¹	<sup>1</sup> Santa Clara University	3-D-73
124564	Children's Interpretation of Confidence Cues: Situational vs Individual Knowledge	Aimie-Lee Juteau <sup>1</sup> , Sophie Fobert <sup>1</sup> , Yasmeen Ibrahim <sup>1</sup> , Rose Varin <sup>1</sup> , Patricia Brosseau-Liard <sup>1</sup>	<sup>1</sup> University of Ottawa	2-F-113
124565	Four- to 7-year-olds can design unconfounded experiments to learn causal relations about simple causal structures	Zoe Finiasz <sup>1</sup> , Deena Weisberg <sup>2</sup> , David Sobel <sup>1</sup>	<sup>1</sup> Brown University, <sup>2</sup> Villanova University	4-B-22
124566	The influence of iconicity on children's analogical problem solving from screen media	Seung Heon Yoo <sup>1</sup> , Heather Kirkorian <sup>1</sup>	<sup>1</sup> University of Wisconsin - Madison	2-G-148
124567	Pretend Play Differentially Impacts Cognitive Development Among Middle- Class and Low-Income Children: An Experimental Study	Rachel Thibodeau <sup>1</sup> , Ansley Gilpin <sup>2</sup> , Melissa Brown <sup>3</sup> , Jillian Pierucci <sup>4</sup> , Alexandra Nancarrow <sup>5</sup> , Carmen Farrell <sup>2</sup>	<sup>1</sup> University of Missouri, <sup>2</sup> University of Alabama, <sup>3</sup> Texas Woman's University, <sup>4</sup> St. Mary's University, <sup>5</sup> Oregon State University	4-A-14



124569	Exploring the Link Between Patterning, Numeracy, and Math Knowledge	Erica Zippert <sup>1</sup> , Ashli-Ann Douglas <sup>1</sup> , Bethany Rittle-Johnson <sup>1</sup>	<sup>1</sup> Vanderbilt University	1-C-58
124572	The role of causal theories of body size in the development of anti-fat bias	Rebecca Peretz-Lange <sup>1</sup> , Paul Muentener <sup>1</sup>	<sup>1</sup> Tufts University	1-D-75
124573	Verbal framing affects children's structural attributions for inequality and intergroup attitudes	Rebecca Peretz-Lange <sup>1</sup> , Paul Muentener <sup>1</sup>	<sup>1</sup> Tufts University	3-D-71
124574	Children's understanding of dominance and prestige in China and the UK	Narges Afshordi <sup>1</sup> , Anni Kajanus <sup>2</sup> , Felix Warneken <sup>3</sup>	<sup>1</sup> University of Minnesota, <sup>2</sup> University of Helsinki, <sup>3</sup> University of Michigan	2-F-97
124575	Using quantitative labels to promote children's patterning skills	Mara Flynn <sup>1</sup> , Taylor Guba <sup>1</sup> , Emily Fyfe <sup>1</sup>	<sup>1</sup> Indiana University	3-C-39
124576	Children's inferences about digital tracking as a result of ingroup and outgroup differentiation	Sanika Kulkarni <sup>1</sup> , Susan Gelman <sup>1</sup> , Steven Roberts <sup>2</sup> , Sarah Snay <sup>1</sup> , Nicole Cuneo <sup>1</sup>	<sup>1</sup> University of Michigan, <sup>2</sup> Stanford University	4-E-86
124582	Predicting similarity in concepts between parents and children	Anondah Saide <sup>1</sup>	<sup>1</sup> University of North Texas	2-D-77
124583	Investigating the emergence of person perception in preschool children through natural conversations with their parents	Eva Chen <sup>1</sup> , Cecilia Ng <sup>2</sup> , Kathleen Corriveau <sup>3</sup> , Bei Yang <sup>4</sup> , Paul Harris <sup>5</sup>	<sup>1</sup> Hong Kong University of Science and Technology, <sup>2</sup> The Hong Kong University of Science and Technology, <sup>3</sup> Boston University, <sup>4</sup> Guangdong University of Foreign Studies, <sup>5</sup> Harvard University	3-D-55
124590	The "Knew-it-all-along error": Young Children's Difficulty Tracking Their Own or Another Person?s Knowledge	Bradford Pillow <sup>1</sup> , Martha Arterberry <sup>2</sup>	<sup>1</sup> Northern Illinois University, <sup>2</sup> Colby College	1-B-31
124594	Rethinking disgust across the lifespan: Food as a key disgust elicitor	Jasmine DeJesus <sup>1</sup> , Joshua Rottman <sup>2</sup> , Emily Gerdin <sup>3</sup>	<sup>1</sup> University of North Carolina at Greensboro,	3-F-106



			<sup>2</sup> Franklin & Marshall College, <sup>3</sup> Yale University	
124595	Can Gendered Robots Change Children's Gender Stereotypes?	Kallyn Song-Nichols <sup>1</sup> , Andrew Young <sup>1</sup>	¹Occidental College	4-F-141
124596	A large-scale longitudinal investigation of the impact of children's early gestures on later language and communicative development	Elizabeth Morin-Lessard <sup>1</sup> , Rochelle Hentges <sup>1</sup> , Suzanne Tough <sup>1</sup> , Susan Graham <sup>1</sup>	<sup>1</sup> University of Calgary	4-D-71
124597	The Impact of Illusory Control on Children's Request for Help	Isabelle Cossette <sup>1</sup> , Patricia Brosseau-Liard <sup>1</sup>	<sup>1</sup> University of Ottawa	1-F-113
124603	Unsafe to Eat? Children?s Food Rejection Based on Testimony from Familiar Cartoon Characters and Adults	Yu Tong <sup>1</sup> , Fuxing Wang <sup>1</sup> , Judith Danovitch <sup>2</sup> , Allison Williams <sup>2</sup> , Hui Li <sup>1</sup>	<sup>1</sup> Central China Normal University, <sup>2</sup> University of Louisville	2-F-133
124605	Children distinguish their own gender stereotypes from those of others	Jennifer Rubin <sup>1</sup> , Selin Gülgöz <sup>1</sup> , Daniel Alonso <sup>1</sup> , Kristina Olson <sup>1</sup>	<sup>1</sup> University of Washington	3-F-127
124606	Valence or traits: developmental change in children's use of facial features to make inferences about others	Carolyn Palmquist <sup>1</sup> , Erika DeAngelis <sup>2</sup>	<sup>1</sup> Amherst College, <sup>2</sup> University of Minnesota	1-F-129
124610	Effects of age and explanatory prompting on preschoolers? ability to use probabilistic evidence to maintain and change beliefs	Brooke Hilton <sup>1</sup> , Kirsten Quistberg <sup>2</sup> , Si Wen Liu <sup>3</sup> , Breanna McCreary <sup>2</sup> , Mark Sabbagh <sup>3</sup>	<sup>1</sup> F, <sup>2</sup> University of Victoria, <sup>3</sup> Queen's University	1-D-68
124612	Labels increase acceptance of foreign and unconventional foods in children	Hyesung Grace Hwang <sup>1</sup> , Jasmine DeJesus <sup>2</sup> , Emily Gerdin <sup>3</sup> , Hannah Cutright <sup>1</sup> , Amanda Woodward <sup>4</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> University of North Carolina at Greensboro, <sup>3</sup> Yale University, <sup>4</sup> The University of Chicago	2-F-110
124614	Attentional capture in goal-directed action during childhood, adolescence, and early adulthood	Christopher Erb <sup>1</sup> , Jeff Moher <sup>2</sup> , Stuart Marcovitch <sup>3</sup>	<sup>1</sup> University of Auckland, <sup>2</sup> Connecticut College,	4-A-4



			<sup>3</sup> University of North Carolina at Greensboro	
124616	Young children's understanding of joint commitments in collaborative endeavours	Ulrike Kachel <sup>1</sup> , Michael Tomasello <sup>2</sup> , Margarita Svetlova <sup>2</sup>	<sup>1</sup> Max Planck Institute for Evolutionary Anthropology, <sup>2</sup> Duke University	4-F-117
124617	How can books improve number knowledge? Aligning spatial features of number lines with a table of contents.	Charles Fitzsimmons <sup>1</sup> , Clarissa Thompson <sup>1</sup> , Bradley Morris <sup>1</sup>	<sup>1</sup> Kent State University	1-C-41
124618	Children expect others to prefer homemade foods and goods	Jasmine DeJesus <sup>1</sup> , Susan Gelman <sup>2</sup> , Julie Lumeng <sup>2</sup>	<sup>1</sup> University of North Carolina at Greensboro, <sup>2</sup> University of Michigan	4-F-108
124619	Mentalizing beyond humans: Theory of mind accuracy is unrelated to anthropomorphism	Rachel Severson <sup>1</sup> , Shailee Woodard <sup>1</sup> , Susan Birch <sup>2</sup>	<sup>1</sup> University of Montana, <sup>2</sup> University of British Columbia	3-F-129
124621	Five-year-olds' sensitivity to speakers' visual perspective and knowledge about object identity during real-time language processing	Narae Ju <sup>1</sup> , Elizabeth Morin- Lessard <sup>1</sup> , Craig Chambers <sup>2</sup> , Valerie San Juan <sup>3</sup> , Susan Graham <sup>1</sup>	<sup>1</sup> University of Calgary, <sup>2</sup> University of Toronto, <sup>3</sup> Bradley University	2-D-67
124623	How do they feel?: Preschoolers represent false beliefs about emotions	Alexis Smith <sup>1</sup> , Lisa Feigenson <sup>1</sup>	<sup>1</sup> Johns Hopkins University	1-E-98
124624	U-Shaped Development of Spontaneous Counting on Tasks Designed to Assess Children?s Number Word Knowledge	Connor O'Rear <sup>1</sup> , Nicole McNeil <sup>1</sup>	<sup>1</sup> University of Notre Dame	4-C-43
124626	The Relationship Between Socioeconomic Status And False-Belief Understanding: New Evidence From A Low-Demand Elicited-Response Task	Rose Scott <sup>1</sup> , Erin Roby <sup>2</sup> , James Sullivan <sup>1</sup>	<sup>1</sup> University of California Merced, <sup>2</sup> NYU School of Medicine	2-E-92



124627	Do you know what I know? Children's reasoning about cultural common ground.	Laura Anderson <sup>1</sup> , Caitlin Heesterman <sup>1</sup> , Alia Martin <sup>1</sup>	<sup>1</sup> Victoria University of Wellington	3-F-100
124629	The specificity of links between symbolic math understanding and nonsymbolic magnitude representation in elementary-school children	Chih-Ming Wei <sup>1</sup> , Chin-Yuan Chang <sup>1</sup> , Wen-Chi Chiang <sup>1</sup>	<sup>1</sup> National Chung Cheng University	1-C-37
124630	Can haptic feedback improve STEM learning for young children?	Sarah Pila <sup>1</sup> , Anne Marie Piper <sup>1</sup> , Ellen Wartella <sup>1</sup>	<sup>1</sup> Northwestern University	2-G-145
124631	Infants' Perception of the Moral Status of Irrational Individuals	Fransisca Ting <sup>1</sup> , Renee Baillargeon <sup>1</sup>	<sup>1</sup> University of Illinois at Urbana-Champaign	2-E-93
124632	Metaphorical propaganda shapes children's explicit, but not implicit, attitudes toward novel immigrant groups	Anastasiia Grigoreva <sup>1</sup> , Joshua Rottman <sup>1</sup>	<sup>1</sup> Franklin & Marshall College	1-F-119
124633	Can chess-playing promote theory of mind? An examination of the interrelations among theory of mind, perspective-taking, and empathic concern in chess-players	Amy Weimer <sup>1</sup> , Noemi Trevino <sup>1</sup>	<sup>1</sup> Texas State University	2-F-134
124634	Across multiple dimensions of status, children prefer high-status people but give more to low-status people	Elizabeth Enright <sup>1</sup> , Bella Lee <sup>2</sup> , Kristina Olson <sup>3</sup>	<sup>1</sup> University of Illinois at Urbana-Champaign, <sup>2</sup> 1, <sup>3</sup> University of Washington	3-F-108
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124636	Moral Balancing Judgements in Children	Sophie Cameron <sup>1</sup> , Mark Nielsen <sup>1</sup> , Matti Wilks <sup>2</sup> , Nicole Nelson <sup>1</sup>	<sup>1</sup> University of Queensland, <sup>2</sup> Yale University	3-E-85



124639	The role of digit identity in 5- to 8-year-olds' numerical estimates	Alexandra Zax <sup>1</sup> , Katherine Williams <sup>1</sup> , Sophie Charles <sup>1</sup> , Hilary Barth <sup>1</sup>	<sup>1</sup> Wesleyan University	3-C-53
124641	A holistic approach to understanding children's emotion regulation: A longitudinal investigation of Head Start children and families	Alexandra Nancarrow <sup>1</sup> , Ansley Gilpin <sup>2</sup> , Rachel Thibodeau <sup>3</sup> , Carmen Farrell <sup>2</sup> , Caroline Boxmeyer <sup>2</sup> , Jason DeCaro <sup>2</sup> , John Lochman <sup>2</sup>	<sup>1</sup> Oregon State University, <sup>2</sup> University of Alabama, <sup>3</sup> University of Missouri	1-A-13
124645	Influence of culture and priming on analogical reasoning performance across development.	Ashley Murphy <sup>1</sup> , Yinyuan Zheng <sup>2</sup> , Elayne Teska <sup>1</sup> , Apoorva Shivaram <sup>2</sup> , Lindsey Richland <sup>3</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Northwestern University, <sup>3</sup> University of California, Irivine	1-G-148
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124652	Infant language ability and nonverbal emotion matching: Crucially connected or independent skills?	Marissa Ogren <sup>1</sup> , Scott Johnson <sup>1</sup>	<sup>1</sup> University of California, Los Angeles	3-D-69
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124658	Infants and preschoolers do not use new evidence to retrospectively reinterpret an expected event as surprising	Jasmin Perez <sup>1</sup> , Lisa Feigenson <sup>1</sup>	<sup>1</sup> Johns Hopkins University	2-B-31
124661	Two-year-olds' symbolic use of images provided by a tablet. A transfer study	Daniela Jauck <sup>1</sup> , Olga Peralta <sup>1</sup>	<sup>1</sup> National Research Council	4-C-45



124663	The development of immigration attitudes: Who has the right to land and resources?	Radhika Santhanagopalan <sup>1</sup> , Christopher Monteiro <sup>2</sup> , Amy Krosch <sup>2</sup> , Katherine Kinzler <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Cornell University	3-F-128
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124690	Young Infants Expect An Animate's Insides to Drive Its Functions	Fransisca Ting <sup>1</sup> , Peipei Setoh <sup>2</sup> , Rochel Gelman <sup>3</sup> , Renee Baillargeon <sup>1</sup>	<sup>1</sup> University of Illinois at Urbana-Champaign, <sup>2</sup> Nanyang Technological University, <sup>3</sup> Rutgers University	3-F-134
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124693	When Innovators Succeed: Empowerment Strategies Increase Preschoolers' Exploration	Joseph Colantonio II <sup>1</sup> , Zachary Walden <sup>2</sup> , Trisha Dehrone <sup>3</sup> , Elizabeth Bonawitz <sup>1</sup>	<sup>1</sup> Rutgers University - Newark, <sup>2</sup> La Salle University, <sup>3</sup> University of Massachusetts Amherst	4-F-105
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			Madison, <sup>3</sup> The University of Chicago	
124714	Are children more optimistic about distant versus near future events?	Bronwyn O'Brien <sup>1</sup> , Alex Castro <sup>1</sup> , Lojain Hamwi <sup>1</sup> , Cristina Atance <sup>1</sup>	<sup>1</sup> University of Ottawa	1-B-29
124715	When time changes the boundaries: Shifts in children's generalizations after a delay	Christina Schonberg <sup>1</sup> , Haley Vlach <sup>1</sup>	<sup>1</sup> University of Wisconsin- Madison	4-D-79
124716	The association between early bilingualism and selection into later foreign language learning.	My Nguyen <sup>1</sup> , Adam Winsler <sup>1</sup>	<sup>1</sup> George Mason University	2-D-72
124717	Do toddlers distinguish between dutiful and virtuous helpers?	Melody Buyukozer Dawkins <sup>1</sup> , Renee Baillargeon <sup>1</sup>	<sup>1</sup> University of Illinois at Urbana-Champaign	3-E-84
124718	The Development of Racial Bias: Parental and Media Influences	Michael Rizzo <sup>1</sup> , Emily Green <sup>1</sup> , Yarrow Dunham <sup>2</sup> , Emile Bruneau <sup>3</sup> , Marjorie Rhodes <sup>1</sup>	<sup>1</sup> New York University, <sup>2</sup> Yale University, <sup>3</sup> University of Pennsylvania	4-E-89
124719	Robust Semi-Supervised Learning in 2- Year-Olds: Learning in Challenging Conditions	Sandy LaTourrette <sup>1</sup> , Sandra Waxman <sup>1</sup>	<sup>1</sup> Northwestern University	2-D-68
124720	Says who? Children consider informants' sources when deciding whom to believe	Rosie Aboody <sup>1</sup> , Sami Yousif <sup>1</sup> , Mark Sheskin <sup>2</sup> , Frank Keil <sup>1</sup>	<sup>1</sup> Yale University, <sup>2</sup> Minerva Schools at KGI	4-F-127
124721	Representing mere possibilities	Brian Leahy <sup>1</sup> , Susan Carey <sup>1</sup>	<sup>1</sup> Harvard University	3-D-64
124722	A Head Start in Science: Parent-Child Interactions and Children's Science Process Skills	Erin Jant <sup>1</sup> , Michelle Kortenaar <sup>2</sup> , Carrie Jubran <sup>3</sup>	<sup>1</sup> Binghamton University, <sup>2</sup> Sciencenter, <sup>3</sup> Tompkins Community Action	2-G-142
124723	Persistence in science after making mistakes: investigating language effects on engagement and motivation in the early childhood classroom	Sinead McNally <sup>1</sup> , Eilish McLoughlin <sup>1</sup> , Judy Lovett <sup>1</sup> , Therese Farrell <sup>1</sup> , Kathleen Corriveau <sup>2</sup>	<sup>1</sup> Dublin City University, <sup>2</sup> Boston University	4-F-125



124724	First things first: Identifying profiles of low-income preschoolers' numerical abilities to inform intervention designs	Nicole Scalise <sup>1</sup> , Emily Daubert <sup>2</sup> , Geetha Ramani <sup>3</sup>	<sup>1</sup> University of California, Irvine, <sup>2</sup> University of Hawaii at Manoa, <sup>3</sup> University of Maryland, College Park	3-C-49
124726	What's in a Question? Parents' Questions in Dyadic Interactions and the Relation to 4-Year-Old Children's Math Abilities	Shirley Duong <sup>1</sup> , Sarah Pitulski <sup>1</sup> , Heather Bachman <sup>1</sup> , Elizabeth Votruba-Drzal <sup>1</sup> , Melissa Libertus <sup>1</sup>	<sup>1</sup> University of Pittsburgh	2-C-36
124727	Teaching children merit and equality through storybooks and video testimony	Joshua Rottman <sup>1</sup> , Valerie Zizik <sup>1</sup> , Kelly Minard <sup>1</sup> , Elizabeth Abraham <sup>1</sup> , Liane Young <sup>2</sup> , Peter Blake <sup>3</sup> , Deborah Kelemen <sup>3</sup>	<sup>1</sup> Franklin & Marshall College, <sup>2</sup> Boston College, <sup>3</sup> Boston University	2-E-89
124728	Context-dependent differences in spontaneous relational reasoning use in relationally focused four-year-old children.	Ashley Murphy <sup>1</sup> , Maya Joyce <sup>1</sup> , Ruohan Xia <sup>2</sup> , Michelle Bueno <sup>3</sup> , Lindsey Richland <sup>4</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> University of Virginia, <sup>3</sup> Northwestern University, <sup>4</sup> University of California, Irivine	2-B-28
124729	Expression of Metacognition in Online STEM Courses: Functions and Effects	Hannah Valdiviejas <sup>1</sup> , Nigel Bosch <sup>1</sup> , Eddie Huang <sup>1</sup> , Tori Jay <sup>1</sup> , Carolyn Anderson <sup>1</sup> , Michelle Perry <sup>1</sup>	<sup>1</sup> University of Illinois at Urbana-Champaign	1-G-151
124730	Executive functioning moderates the effect of parental elicitation of math concepts on preschoolers' math performance	Alex Silver <sup>1</sup> , Caitlin Convery <sup>1</sup> , Leanne Elliott <sup>1</sup> , Melissa Libertus <sup>1</sup>	<sup>1</sup> University of Pittsburgh	1-C-53
124731	Making the Best of a Bad Situation: Examining the Consequences of Explanations Highlighting Societal Inequality	James Dunlea <sup>1</sup> , Larisa Heiphetz <sup>2</sup>	<sup>1</sup> Columbia Univeristy, <sup>2</sup> Columbia University	1-E-91



124732	A Conceptual Framework for Understanding Fractions and Fraction Addition	David Braithwaite <sup>1</sup> , Robert Siegler <sup>2</sup>	<sup>1</sup> Florida State University, <sup>2</sup> Columbia University	4-C-33
124733	How correcting generic statements about gender limits kind-beliefs	Emily Foster-Hanson <sup>1</sup> , Sarah-Jane Leslie <sup>2</sup> , Marjorie Rhodes <sup>1</sup>	<sup>1</sup> New York University, <sup>2</sup> Princeton University	4-D-62
124734	Learning minimal pair object-label associations from audiovisual speech	Ryan Cannistraci <sup>1</sup> , Jessica Hay <sup>1</sup>	<sup>1</sup> University of Tennessee, Knoxville	1-D-61
124735	The Role of Inhibitory Control in Syntactic Ambiguity Processing	Kaitlyn May <sup>1</sup> , Lucille Gideon <sup>1</sup> , Jason Scofield <sup>2</sup>	<sup>1</sup> University of Alabama, <sup>2</sup> The University of Alabama	2-D-70
124736	Developmental changes in event-emotion matching across the first two years of life	Ashley Ruba <sup>1</sup> , Andrew Meltzoff <sup>2</sup> , Betty Repacholi <sup>2</sup>	<sup>1</sup> University of Wisconsin - Madison, <sup>2</sup> University of Washington	2-F-130
124737	Using Time Diaries to Measure Parental Support for Spatial Skills	Jocelyn Hughes <sup>1</sup> , Leanne Elliott <sup>1</sup> , Laura Betancur <sup>1</sup> , Morgan Lemmon <sup>1</sup> , Lorraine Blatt <sup>1</sup> , Juliana Kammerzell <sup>1</sup> , Elizabeth Votruba- Drzal <sup>1</sup> , Heather Bachman <sup>1</sup> , Melissa Libertus <sup>1</sup>	<sup>1</sup> University of Pittsburgh	3-C-41
124738	What do you want to learn? Children selectively choose books to fill gaps in biological explanations	Candice Mills <sup>1</sup> , Judith Danovitch <sup>2</sup> , Kaitlin Sands <sup>1</sup> , Allison Williams <sup>2</sup>	<sup>1</sup> The University of Texas at Dallas, <sup>2</sup> University of Louisville	3-D-68
124739	Children's Evaluations of Fraction Magnitudes in Strip Diagrams: Strip Lengths and Visible Segments Matter	Vijay Marupudi <sup>1</sup> , Andreas Obersteiner <sup>2</sup> , Martha Alibali <sup>3</sup>	<sup>1</sup> University of Minnesota - Twin Cities, <sup>2</sup> University of Wisconsin, <sup>3</sup> University of Wisconsin- Madison	1-C-49
124740	Spatial Skills, but not Spatial Anxiety, Partially Account for the Gender Gap in Number Line Estimation	Ngoc Dam <sup>1</sup> , Jorge Carvalho Pereira <sup>1</sup> , Elizabeth Gunderson <sup>1</sup>	<sup>1</sup> Temple University	2-C-35



124741	When visual attention doesn't explain learning: spaced learning in children's generalization of STEM concepts	Alexis Hosch <sup>1</sup> , Emma Lazaroff <sup>1</sup> , Megan Kaul <sup>1</sup> , Haley Vlach <sup>2</sup>	<sup>1</sup> University of Wisconsin - Madison, <sup>2</sup> University of Wisconsin-Madison	4-D-65
124742	Coherence in gender cognition	Jessica Glazier <sup>1</sup> , Selin Gulgoz <sup>1</sup> , Kristina Olson <sup>1</sup>	<sup>1</sup> University of Washington	3-F-110
124744	?Tamanduas are smellier than a skunk!?: Children?s Learning Preferences and Memory in a Natural Science Center	Jessica Caporaso <sup>1</sup> , Kathleen Bettencourt <sup>1</sup> , Kimberly Marble <sup>1</sup> , Janet Boseovski <sup>1</sup> , Thanujeni Pathman <sup>2</sup> , Christopher Erb <sup>3</sup> , Margo Scales <sup>4</sup> , Stuart Marcovitch <sup>1</sup>	<sup>1</sup> University of North Carolina at Greensboro, <sup>2</sup> York University, <sup>3</sup> University of Auckland, <sup>4</sup> Wake Forest University	1-F-112
124745	Young children prefer to learn from, but do not trust, smart devices	Samantha Hutchinson <sup>1</sup> , Lauren Ehrreich <sup>1</sup> , Sarah Jones <sup>1</sup> , Erica Wojcik <sup>1</sup>	<sup>1</sup> Skidmore College	2-F-109
124747	The anthropic teleological bias: Beliefs in human purpose and their implications for moral judgment	Casey Lewry <sup>1</sup> , Deborah Kelemen <sup>2</sup>	<sup>1</sup> Princeton University, <sup>2</sup> Boston University	3-E-92
124748	Preschoolers Make Retrospective Inferences in Their Selective Trust Choices	Friederike Schütte <sup>1</sup> , Nivedita Mani <sup>1</sup> , Tanya Behne <sup>1</sup>	<sup>1</sup> University of Göttingen	4-F-135
124750	Developmental Change in Implicit and Explicit Racial Biases in Cameroonians	Miao Qian¹, Gail Heyman², Paul Quinn³, Genyue Fu⁴, Kang Lee⁵	<sup>1</sup> Harvard University, <sup>2</sup> University of California, San Diego, <sup>3</sup> University of Delaware, <sup>4</sup> Hangzhou Normal University, <sup>5</sup> University of Toronto	3-F-125
124751	A coordinated movement approach to reducing children's implicit and explicit racial biases	Miao Qian <sup>1</sup> , Gail Heyman <sup>2</sup> , Paul Quinn <sup>3</sup> , Kang Lee <sup>4</sup> , Genyue Fu <sup>5</sup>	<sup>1</sup> Harvard University, <sup>2</sup> University of California, San Diego, <sup>3</sup> University of Delaware, <sup>4</sup> University of	4-F-132



			Toronto, ⁵Hangzhou Normal University	
124752	Canadian Children Aged Five to Eight have an essentialist view of National Identity	Hasan Siddiqui <sup>1</sup> , Hasan Siddiqui <sup>1</sup> , Mel Rutherford <sup>1</sup>	<sup>1</sup> McMaster University	1-F-133
124753	Do metacognitive strategies predict social selective learning in preschoolers?	Tiffany Resendes <sup>1</sup> , Brandon Benchimol-Elkaim <sup>1</sup> , Diane Poulin- Dubois <sup>1</sup>	¹Concordia University	2-F-128
124754	Novel word retention in young children is affected by the number of words presented at training	Lauren Ehrreich <sup>1</sup> , Sarah Jones <sup>1</sup> , Erica Wojcik <sup>1</sup>	<sup>1</sup> Skidmore College	1-D-65
124755	Origins of the concepts cause, cost, and goal in prereaching infants	Shari Liu <sup>1</sup> , Shari Liu <sup>1</sup> , Elizabeth Spelke <sup>1</sup>	<sup>1</sup> Harvard University	4-E-88
124756	Dissociating theory of mind and mind- mindedness in middle childhood and adulthood	Allison Pequet <sup>1</sup> , Katherine Warnell <sup>1</sup>	<sup>1</sup> Texas State University	1-E-101
124758	Relationships between intuitive thought and learning about infectious disease in high school students	Emily Dahlgaard Thor <sup>1</sup> , Revati Masilamani <sup>2</sup> , Carol Bascom- Slack <sup>2</sup> , Berri Jacque <sup>2</sup> , John Coley <sup>1</sup>	<sup>1</sup> Northeastern University, <sup>2</sup> Tufts University	2-D-62
124760	Attentional Decay: Implications for Education	Grace Murray <sup>1</sup> , Karrie Godwin <sup>1</sup>	<sup>1</sup> Kent State University	2-A-12
124761	Exploration promotes rule-learning: examining exploratory strategies and self-direction in young children	Mia Radovanovic <sup>1</sup> , Alex Rosencrance <sup>2</sup> , Katherine Boggs <sup>2</sup> , Rebecca Wixted <sup>2</sup> , Natalie Brezack <sup>3</sup> , Laura Shneidman <sup>4</sup> , Amanda Woodward <sup>2</sup>	<sup>1</sup> University of Toronto, <sup>2</sup> The University of Chicago, <sup>3</sup> University of Chicago, <sup>4</sup> Universidad Nacional Autónoma de México	3-F-126
124762	Touchscreens and spatial thinking: exploring the connection between children's spatial skills and their	Naomi Polinsky <sup>1</sup> , Rachel Flynn <sup>1</sup> , Ellen Wartella <sup>1</sup> , David Uttal <sup>1</sup>	<sup>1</sup> Northwestern University	4-C-46



	performance on a spatially-oriented touchscreen game			
124764	Infants generalize beliefs to naïve agents	Diane Poulin-Dubois <sup>1</sup> , Cassandra Neumann <sup>1</sup> , Kimberly Burnside <sup>1</sup>	¹Concordia University	4-F-131
124765	Framing matters: Relations between performance and math and spatial attitudes	Lindsey Hildebrand <sup>1</sup> , Celine Jia Rong Lim <sup>1</sup> , Sara Cordes <sup>1</sup>	<sup>1</sup> Boston College	3-C-40
124766	The role of conceptual development and caregiver talk in children's naturalistic artifact learning	Elizabeth Attisano <sup>1</sup> , Serena Tran <sup>1</sup> , Stephanie Denison <sup>1</sup> , Shaylene Nancekivell <sup>2</sup>	<sup>1</sup> University of Waterloo, <sup>2</sup> University of North Carolina Greensboro	1-D-60
124767	Conversations about STEM in unexpected places: Science at a living history museum.	Elizabeth Attisano <sup>1</sup> , Shaylene Nancekivell <sup>2</sup> , Stephanie Denison <sup>1</sup>	<sup>1</sup> University of Waterloo, <sup>2</sup> University of North Carolina Greensboro	2-G-139
124768	Baseline and Task-Related EEG Coherence is linked to Nonperservative and Perservative Errors on the Wisconsin Card Sorting Task	Tatiana Garcia Meza <sup>1</sup> , Martha Ann Bell <sup>1</sup>	<sup>1</sup> Virginia Tech	3-A-7
124769	Relations between autobiographical memory and hippocampal subregion volumes in early childhood	Carli Fine <sup>1</sup> , Sanaa Amin <sup>1</sup> , Lisa Cox <sup>2</sup> , Tracy Riggins <sup>1</sup>	<sup>1</sup> University of Maryland, College Park, <sup>2</sup> Northwestern University	4-B-21
124770	Listen to your Mother: Children's Understanding of Power in Hierarchical Social Roles	Megan Norris <sup>1</sup> , Nicholaus Noles <sup>1</sup> , Catherine McDermott <sup>2</sup>	<sup>1</sup> University of Louisville, <sup>2</sup> Victoria University of Wellington	1-F-127
124771	Working memory and quality control in children?s novel production of passive sentences	Eryn Adams <sup>1</sup> , Nelson Cowan <sup>1</sup>	<sup>1</sup> University of Missouri	3-B-20
124773	Mexican-American children's explanations for how and why people get sick	Kirsten Lesage <sup>1</sup> , Rebekah Richert <sup>1</sup>	<sup>1</sup> University of California, Riverside	3-G-147



124775	A left visual advantage in newborn infants when processing magnitudes	Koleen McCrink <sup>1</sup> , Maria Dolores de Hevia <sup>2</sup>	<sup>1</sup> Barnard College, Columbia University, <sup>2</sup> Uni-ver-sité Paris Descartes; Le Centre national de la recherche scientifique (CNRS)	2-C-45
124776	Investigating the Majority-Biased Imitation in Chinese Preschool Children	Xiaoyu Zhu¹, Zhidan Wang¹	<sup>1</sup> Jiangsu Normal University	2-F-138
124777	The effect of color, shape, and virtual agent in a text-based Mandarin-vocabulary game on adults' affect and learning performance	Ming Chen <sup>1</sup> , Jing Wang <sup>2</sup> , Bruce Homer <sup>3</sup>	<sup>1</sup> CUNY Graduate Center, <sup>2</sup> Beijing Language and Culture University, <sup>3</sup> The Graduate Center, CUNY	4-G-143
124779	Children's judgments of moral and conventional violations committed by individuals with disabilities	Nicolette Granata <sup>1</sup> , Jonathan Lane <sup>1</sup>	<sup>1</sup> Vanderbilt University	3-E-86
124780	Social status beliefs predict children's preferences for native-accented speakers	Christine Tai <sup>1</sup> , Kristin Pauker <sup>2</sup>	<sup>1</sup> University of Hawai'i at Mānoa, <sup>2</sup> University of Hawaii at Manoa	3-F-133
124781	Uncovering a link between mental rotation tests sex differences & declaring entrance into STEM disciplines: examining & addressing the individual roles of childhood designated spatial activity engagement, spatial/general anxiety, & participant confidence.	Carlos Desme <sup>1</sup> , Daniela Alvarez- Vargas <sup>1</sup> , Timothy Hayes <sup>1</sup> , Shannon Pruden <sup>1</sup>	<sup>1</sup> Florida International University	1-C-39
124782	Sensitivity of young monolingual and bilingual children to language and accent when allocating resources	Aleyda Arreola <sup>1</sup> , Hailey Thomas <sup>1</sup> , Jennifer Clegg <sup>1</sup> , Amy Weimer <sup>1</sup> , Katherine Warnell <sup>1</sup>	<sup>1</sup> Texas State University	4-F-100
124783	Environmental instability promotes social cognitive development in infant rhesus monkeys (Macaca mulatta)	Alyssa Arre <sup>1</sup> , Alexandra Rosati <sup>2</sup> , Astrid Hengartner <sup>1</sup> , Laurie Santos <sup>1</sup>	<sup>1</sup> Yale University, <sup>2</sup> University of Michigan	1-F-103



124784	The role of cross-classification in children's knowledge attributions and testimony evaluations	Catherine McDermott <sup>1</sup> , Nicholaus Noles <sup>2</sup> , Megan Norris <sup>2</sup>	<sup>1</sup> Victoria University of Wellington, <sup>2</sup> University of Louisville	2-F-118
124785	The influence of representational complexity on children's willingness to cross-classify individuals	Catherine McDermott <sup>1</sup> , Nicholaus Noles <sup>1</sup> , Simone Nguyen <sup>2</sup>	<sup>1</sup> University of Louisville, <sup>2</sup> University of North Carolina Wilmington	3-F-120
124786	Visual saliency guides orienting to dynamic faces in infants, children, and adults	John Franchak <sup>1</sup> , Kellan Kadooka <sup>1</sup>	<sup>1</sup> University of California, Riverside	4-A-5
124787	Ecological Thinking in Preschoolers: Evidence From Free Play	John Coley <sup>1</sup> , Alexis Krigger <sup>1</sup> , Maria Alvarez <sup>1</sup> , Eva Chamard <sup>1</sup> , Kelly Marchese <sup>1</sup> , Imac Zambrana <sup>2</sup>	<sup>1</sup> Northeastern University, <sup>2</sup> University of Oslo	4-D-56
124788	The functional significance of cross- sensory correspondences in infant- directed speech	Anna Barnett <sup>1</sup> , Gavin Bremner <sup>1</sup> , Peter Walker <sup>1</sup>	<sup>1</sup> Lancaster University	1-A-1
124789	Do 18-month-old revise attributed beliefs?	Ildikó Király <sup>1</sup> , Katalin Oláh <sup>1</sup> , Gergely Csibra <sup>2</sup> , Ágnes Melinda Kovács <sup>2</sup>	<sup>1</sup> Eötvös Loránd University, <sup>2</sup> Central European University	4-F-119
124790	Meta-working memory in young children	Jessica Applin <sup>1</sup> , Melissa Kibbe <sup>1</sup>	<sup>1</sup> Boston University	1-B-20
124792	Parents' beliefs about the benefits of pretend play in early childhood	Jessica Taggart <sup>1</sup> , Angeline Lillard <sup>1</sup>	<sup>1</sup> University of Virginia	1-F-136
124794	Information-seeking as implicit uncertainty monitoring in childhood	Elizabeth Lapidow <sup>1</sup> , Isabella Killeen <sup>2</sup> , Caren Walker <sup>3</sup>	<sup>1</sup> University of California San Diego, <sup>2</sup> University of Minnesota Law, <sup>3</sup> University of California, San Diego	2-B-24
124795	Category Exceptions Stretch Category Boundaries	Olivera Savic <sup>1</sup> , Vladimir Sloutsky <sup>1</sup>	<sup>1</sup> The Ohio State University	4-D-78



124796	Target's racial group membership modulates 3-5-year-olds' ability to theorize about others' mental states	Carlota Saumell <sup>1</sup> , Mireia Hernandez <sup>1</sup> , Yarrow Dunham <sup>2</sup> , Ferran Pons <sup>1</sup>	<sup>1</sup> Universitat de Barcelona, <sup>2</sup> Yale University	4-E-91
124797	Parent cardinal number gestures encourage children to focus on numerosity	Madeleine Oswald <sup>1</sup> , Lakshmi Kumar <sup>1</sup> , Susan Goldin-Meadow <sup>1</sup>	<sup>1</sup> University of Chicago	3-C-47
124799	Children hold an intuitive economic theory of diminishing marginal utility	Richard Ahl <sup>1</sup> , Emma Cook <sup>1</sup> , Amanda Chapin <sup>2</sup> , Lisa Chalik <sup>3</sup> , Katherine McAuliffe <sup>1</sup>	<sup>1</sup> Boston College, <sup>2</sup> La Salle University, <sup>3</sup> Stern College for Women, Yeshiva University	1-E-87
124800	Advanced theory of mind and task- switching in adolescents with and without autism spectrum disorder	Jessica Brodsky <sup>1</sup> , Zachary Bergson <sup>1</sup> , Elizabeth Hayward <sup>2</sup> , Bruce Homer <sup>1</sup>	<sup>1</sup> The Graduate Center, CUNY, <sup>2</sup> The CREATE Lab, New York University	2-F-108
124802	The role of mechanism information in infants' learning of physical causal events	Phuong (Phoebe) Dinh <sup>1</sup> , David Rakison <sup>1</sup>	<sup>1</sup> Carnegie Mellon University	3-B-26
124803	Contrast in word learning: to not or not?  The use of labels versus negation.	Gwendolyn Price <sup>1</sup> , Catherine Sandhofer <sup>1</sup>	<sup>1</sup> University of California, Los Angeles	2-D-74
124804	Preschoolers' opportunities to learn numeracy and patterning at school	Ashli-Ann Douglas <sup>1</sup> , Jennifer Tang <sup>1</sup> , Erica Zippert <sup>1</sup> , Bethany Rittle-Johnson <sup>1</sup>	<sup>1</sup> Vanderbilt University	1-C-40
124805	Expecting the unexpected: Children's over-exploration facilitates adaptation to a changing world	Amy Li <sup>1</sup> , Emily Sumner <sup>2</sup> , Brett Hayes <sup>3</sup> , Amy Perfors <sup>4</sup> , Barbara Sarnecka <sup>2</sup> , Danielle Navarro <sup>1</sup>	<sup>1</sup> University of New South Wales Sydney, <sup>2</sup> University of California, Irvine, <sup>3</sup> University of New South Wales, <sup>4</sup> University of Melbourne	4-B-25
124807	Neural markers of incidental memory in autism spectrum disorder and Phelan-McDermid syndrome	Sylvia Guillory <sup>1</sup> , Hannah Grosman <sup>1</sup> , Emily Isenstein <sup>1</sup> , Christopher McLaughlin <sup>1</sup> , Paige Siper <sup>1</sup> , Alexander Kolevzon <sup>1</sup> ,	<sup>1</sup> Icahn School of Medicine at Mount Sinai, <sup>2</sup> Vanderbilt University	1-B-27



		Joseph Buxbaum <sup>1</sup> , Alexandra Key <sup>2</sup> , Jennifer Foss-Feig <sup>1</sup>		
124808	What did you see at the zoo this week? Examining free recall of naturalistic events in early to middle childhood	Lina Deker <sup>1</sup> , Thanujeni Pathman <sup>1</sup>	<sup>1</sup> York University	2-B-21
124809	Investigating children's learning at multiple levels from shared reading	Elise Breitfeld <sup>1</sup> , Christine Potter <sup>1</sup> , Casey Lew-Williams <sup>1</sup>	<sup>1</sup> Princeton University	3-D-54
124812	Does bilingualism alter attentional shifting in the infant brain?	Maria Arredondo <sup>1</sup> , Richard Aslin <sup>1</sup> , Janet Werker <sup>2</sup>	<sup>1</sup> Haskins Laboratories, <sup>2</sup> University of British Columbia	3-A-2
124814	Do children evaluate others' humanity based on their moral character?	Emily Gerdin <sup>1</sup> , Paul Bloom <sup>1</sup>	<sup>1</sup> Yale University	4-E-84
124815	Run Away or Play with Grandma? How Do Parents Support Children's Video Chat Experiences with Relatives?	Erin McKenney <sup>1</sup> , Lauren Myers <sup>1</sup>	<sup>1</sup> Lafayette College	3-F-121
124816	Does power trump reasoning? Understanding the effect of culture on children's trust preferences	Yixin Cui <sup>1</sup> , Shan Wan <sup>1</sup> , Kathleen Corriveau <sup>1</sup>	<sup>1</sup> Boston University	1-F-114
124817	Context effects in children's numerical and temporal estimation	Lindsey Hildebrand <sup>1</sup> , Hilary Barth <sup>2</sup> , Andrea Patalano <sup>2</sup> , Sara Cordes <sup>1</sup>	<sup>1</sup> Boston College, <sup>2</sup> Wesleyan University	4-C-39
124818	Relations between children's causal stance and emergent scientific literacy	Amy Booth <sup>1</sup> , Margaret Shavlik <sup>1</sup> , Ariacella DelGrande <sup>1</sup>	<sup>1</sup> Vanderbilt University	4-D-57
124819	Should I stay or should I go? Three-year- olds? sensitivity to appropriate motives to break a commitment	Francesca Bonalumi <sup>1</sup> , Barbora Siposova <sup>2</sup> , Wayne Christensen <sup>2</sup> , John Michael <sup>2</sup>	<sup>1</sup> Central European University, <sup>2</sup> University of Warwick	3-E-83
124820	Thinking outside the box: children's understanding of geometrical rules is not rooted in shapes	Marie Amalric <sup>1</sup> , Nour al-Zaghloul <sup>1</sup> , Jessica Cantlon <sup>1</sup>	<sup>1</sup> Carnegie Mellon University	1-C-34



124821	Factors predicting parental math input with their preschool-aged child	Alex Silver <sup>1</sup> , Thomas Marlin <sup>1</sup> , Leanne Elliott <sup>1</sup> , Melissa Libertus <sup>1</sup>	<sup>1</sup> University of Pittsburgh	3-C-50
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124918	How do 3rd-grade children understand the commutative principle of multiplication?	Marie Amalric <sup>1</sup> , Jessica Cantlon <sup>1</sup>	<sup>1</sup> Carnegie Mellon University	2-C-32
124919	Parent scaffolding during guided play and children's spatial ability	Jinghe Ji <sup>1</sup> , Wei Li <sup>1</sup> , Marianella Casasola <sup>1</sup>	<sup>1</sup> Cornell University	3-C-42
124920	Up in the Airways: Linking explaining and exploring to children's causal thinking	Sam McHugh <sup>1</sup> , Maureen Callanan <sup>1</sup> , Garrett Jaeger <sup>2</sup> , Cristine Legare <sup>3</sup> , David Sobel <sup>4</sup>	<sup>1</sup> University of California - Santa Cruz, <sup>2</sup> The LEGO Foundation, <sup>3</sup> The University of Texas at Austin, <sup>4</sup> Brown University	4-G-147
124921	How children and parents make sense of robots	Sam McHugh <sup>1</sup> , Maureen Callanan <sup>1</sup> , Sarah Cohen <sup>1</sup> , Kevin	<sup>1</sup> University of California - Santa Cruz, <sup>2</sup> California	3-D-66



		Weatherwax <sup>1</sup> , Leila Takayama <sup>1</sup> , Jennifer Jipson <sup>2</sup>	Polytechnic State University	
124922	Parental messages and children's evaluations of interracial and same-race peer exclusion	Kathryn Yee <sup>1</sup> , Jacquelyn Glidden <sup>1</sup> , Amanda Burkholder <sup>2</sup> , Shelby Cooley <sup>3</sup> , Melanie Killen <sup>2</sup>	<sup>1</sup> University of Maryland College Park, <sup>2</sup> University of Maryland, College Park, <sup>3</sup> Community Center for Education Results	2-F-137
124923	Electrophysiological mechanisms of joint action and feedback in adolescents	Armando Angulo-Chavira <sup>1</sup> , Armando Angulo-Chavira <sup>1</sup> , Andrés González-Garrido <sup>2</sup> , Julieta Ramos- Loyo <sup>2</sup>	<sup>1</sup> UNAM, <sup>2</sup> U de G	4-F-99
124924	Hey, Look What I Did!: A Qualitative Analysis of Young Children's Play with a Tablet-based STEM Game	Maya Lennon <sup>1</sup> , Sarah Pila <sup>1</sup> , Rachel Flynn <sup>1</sup> , Ellen Wartella <sup>1</sup>	<sup>1</sup> Northwestern University	1-G-147
124925	Number bias during categorization is driven by relative discriminability, not universal preference	Lauren Aulet <sup>1</sup> , Kennedy Casey <sup>2</sup> , Stella Lourenco <sup>1</sup>	<sup>1</sup> Emory University, <sup>2</sup> Princeton University	4-C-31
124926	Decision-making in early childhood: Young children shift from perseverance to systematic exploration	Orla Putnam <sup>1</sup> , Nathaniel Blanco <sup>1</sup> , Vladimir Sloutsky <sup>1</sup>	<sup>1</sup> The Ohio State University	3-A-14
124927	Promoting Category Learning: Guided Play in Infancy	Hannah Puttre <sup>1</sup> , Dave Neale <sup>2</sup> , Alexa Bruette <sup>1</sup> , Brynn Chieffo <sup>1</sup> , Kathleen Corriveau <sup>3</sup> , Kathy Hirsh- Pasek <sup>4</sup> , Roberta Golinkoff <sup>1</sup>	<sup>1</sup> University of Delaware, <sup>2</sup> University of Cambridge, <sup>3</sup> Boston University, <sup>4</sup> Temple University	3-F-124
124928	Learning from children: Adults' exploratory causal inferences benefit from observing child-led explorations	Koeun Choi <sup>1</sup> , Milagros Grados <sup>2</sup> , Elizabeth Bonawitz <sup>2</sup>	<sup>1</sup> Virginia Polytechnic Institute and State University, <sup>2</sup> Rutgers University - Newark	3-B-24



124929	Does spontaneous alignment of fraction representations correlate with fraction understanding?	Bryan Matlen <sup>1</sup> , Stephanie Morano <sup>2</sup> , Paul Riccomini <sup>3</sup>	<sup>1</sup> WestEd, <sup>2</sup> University of Virginia, <sup>3</sup> Pennsylvania State University	1-C-50
124930	Reward enhances children's attention to underlying statistical information of emotional expressions	Kristina Woodard <sup>1</sup> , Rista Plate <sup>1</sup> , Seth Pollak <sup>2</sup>	<sup>1</sup> University of Wisconsin - Madison, <sup>2</sup> University of Wisconsin-Madison	1-F-138
124931	The influence of sharing experiences on costly third-party punishment in children	Young-eun Lee <sup>1</sup> , Felix Warneken <sup>2</sup>	<sup>1</sup> University of Michigan, Ann Arbor, <sup>2</sup> University of Michigan	4-E-87
124932	Longitudinal Development of Cognitive Maps	Maria Brucato <sup>1</sup> , Alina Nazareth <sup>1</sup> , Nora Newcombe <sup>1</sup>	<sup>1</sup> Temple University	3-C-35
124933	Young children revise their trust in an informant?s claim once they gather counter-evidence, and transfer their revised judgement across tasks	Tone Hermansen <sup>1</sup> , Samuel Ronfard <sup>2</sup> , Paul Harris <sup>3</sup> , Francisco Pons <sup>4</sup> , Imac Zambrana <sup>1</sup>	<sup>1</sup> NUBU, <sup>2</sup> University of Toronto at Mississauga, <sup>3</sup> Harvard University, <sup>4</sup> University of Oslo	3-F-113
124934	Children's and adults' evaluations of science resource inequalities	Riley Sims <sup>1</sup> , Amanda Burkholder <sup>1</sup> , Melanie Killen <sup>1</sup>	<sup>1</sup> University of Maryland, College Park	1-E-97
124935	Events structure memory less in children than adults	Jie Ren <sup>1</sup> , Katherine Duncan <sup>1</sup> , Amy Finn <sup>1</sup>	<sup>1</sup> University of Toronto	4-B-27
124936	Perceptual and linguistic contrast promote indirect word learning	Ruxue Shao <sup>1</sup> , Dedre Gentner <sup>1</sup> , Nina Simms <sup>1</sup>	<sup>1</sup> Northwestern University	2-D-79
124937	What cues do children use when judging their confidence in fraction estimation performance? Confidence judgments relate more strongly to familiarity than performance.	Charles Fitzsimmons <sup>1</sup> , Michelle Rivers <sup>1</sup> , Pooja Sidney <sup>2</sup> , John Dunlosky <sup>1</sup> , Clarissa Thompson <sup>1</sup>	<sup>1</sup> Kent State University, <sup>2</sup> University of Kentucky	2-C-37
124938	It is not just about attaining the goal: Infants? cooperative competence is shaped by their joint attention abilities	Caitlin McRae <sup>1</sup> , Nichole Breeland <sup>1</sup> , Inge Meinhardt <sup>1</sup> , Beth Graham <sup>1</sup> , Annette Henderson <sup>2</sup>	<sup>1</sup> University of Auckland, New Zealand, <sup>2</sup> The University of Auckland	2-F-100



	and the social context in which cooperation occurs.			
124939	Food rejection negatively influences thematic food categorization performance in young children (3-6 years)	Abigail Pickard <sup>1</sup> , Jean-Pierre Thibaut <sup>2</sup> , Jérémie Lafraire <sup>1</sup>	<sup>1</sup> Institut Paul Bocuse Research Centre, <sup>2</sup> University Bourgogne Franche-Comté	4-D-75
124940	Children's beliefs about gender predict prejudice towards gender-nonconforming peers	Rachel Horton <sup>1</sup> , Rachel Fine <sup>1</sup> , Nicole Cuneo <sup>2</sup> , Selin Gulgoz <sup>1</sup> , Kayla Lewis <sup>1</sup> , Susan Gelman <sup>2</sup> , Kristina Olson <sup>1</sup>	<sup>1</sup> University of Washington, <sup>2</sup> University of Michigan	4-F-115
124941	Exploring the relation between demand for mutual gaze and hiding skills in young children	Ellyn Pueschel <sup>1</sup> , Henrike Moll <sup>1</sup>	<sup>1</sup> University of Southern California	2-F-126
124942	Priming behavioral control enhances preschoolers' generous sharing	Chan Mi Lee <sup>1</sup> , Hyun-joo Song <sup>1</sup>	¹Yonsei University	3-E-91
124943	Learning through seeing versus doing: Exploring the best way to teach mathematical equivalence	Elizabeth Wakefield <sup>1</sup> , Miriam Novack <sup>2</sup> , Eliza Congdon <sup>3</sup> , Susan Goldin-Meadow <sup>4</sup>	<sup>1</sup> Loyola University Chicago, <sup>2</sup> Northwestern University, <sup>3</sup> Williams College, <sup>4</sup> University of Chicago	4-C-51
124944	Exploring parent-child math engagement in diverse populations	Nancy Pantoja <sup>1</sup> , Emily Lyons <sup>1</sup> , Talia Berkowitz <sup>1</sup> , Cristina Carrazza <sup>1</sup> , Dominique Saviano <sup>1</sup> , Karina Mojica <sup>1</sup> , Lisa Rosen <sup>2</sup> , Susan Levine <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> The University of Chicago	1-C-52
124945	Not just for kids: Adults learn a counterintuitive scientific concept from a children's storybook intervention but self-explanation can hurt	Sarah Brown <sup>1</sup> , Aimee Mather <sup>2</sup> , Aishwarya Chitoor <sup>1</sup> , Deborah Kelemen <sup>1</sup>	<sup>1</sup> Boston University, <sup>2</sup> Surrey University	2-D-59
124946	Reconciling "Symbolic Estrangement" and Knowledge of Symbolic Magnitude	Hyekyung Park <sup>1</sup> , John Opfer <sup>1</sup>	<sup>1</sup> The Ohio State University	2-C-48



124947	Do 6- to 7-year-old children infer status and virtue from gossip?	Meltem Yucel <sup>1</sup> , Amrisha Vaish <sup>1</sup>	<sup>1</sup> University of Virginia	3-F-141
124948	Helping children develop analogical reasoning: Optimal instruction depends on age	Katharine Guarino <sup>1</sup> , Robert Morrison <sup>1</sup> , Lindsey Richland <sup>2</sup> , Elizabeth Wakefield <sup>1</sup>	<sup>1</sup> Loyola University Chicago, <sup>2</sup> University of California, Irivine	1-B-26
124949	Infant abilities to distinguish between moral and conventional transgressions	Duangporn Pattanakul <sup>1</sup> , Jamin Shih <sup>2</sup> , Nicole Campione-Barr <sup>1</sup> , Yuyan Luo <sup>1</sup> , Kristy vanMarle <sup>3</sup>	<sup>1</sup> University of Missouri, <sup>2</sup> University of California- Merced, <sup>3</sup> University of Missouri - Columbia	2-E-87
124950	Perceptions of Societal Inequalities Relate to Children's Conceptions of Wealth Acquisition and Social Mobility	Amanda Burkholder <sup>1</sup> , Riley Sims <sup>1</sup> , Melanie Killen <sup>1</sup>	<sup>1</sup> University of Maryland, College Park	4-E-83
124951	More than fun and games: play as an index of developing executive functions	Cassandra T-Pederson <sup>1</sup> , Dima Amso <sup>1</sup>	<sup>1</sup> Brown University	3-G-151
124952	Can We Make Analogous Executive Functions Tasks Across Computerized and Naturalistic Testing Environments?	Jazlyn Nketia <sup>1</sup> , Dima Amso <sup>1</sup>	<sup>1</sup> Brown University	1-G-149
124953	Children's judgments of environmental free-riders	Jessica Culbreth <sup>1</sup> , Erin Hahn <sup>1</sup>	<sup>1</sup> Furman University	4-F-107
124954	The relationship between metalinguistic awareness and moral development	Arjun lyer <sup>1</sup> , M. Jeffrey Farrar <sup>1</sup>	<sup>1</sup> University of Florida	1-E-92
124955	The Impact of Socioeconomic Status on Parents' Use of Mental-state Talk With Their Infants	James Sullivan <sup>1</sup> , Jennifer Knothe <sup>1</sup> , Rose Scott <sup>1</sup> , Eric Walle <sup>2</sup>	<sup>1</sup> University of California Merced, <sup>2</sup> University of California, Merced	3-E-96
124956	Top-down activation in mid-level visual regions supports efficient object perception in 8-10-month-old infants	Denise Werchan <sup>1</sup> , Lily Gordon <sup>1</sup> , Dima Amso <sup>1</sup>	<sup>1</sup> Brown University	3-A-16
124957	Children's reasoning about hypothetical interventions to complex biological systems	Angela Nyhout <sup>1</sup> , Hilary Sweatman <sup>2</sup> , Patricia Ganea <sup>1</sup>	<sup>1</sup> University of Toronto, <sup>2</sup> McGill University	2-B-29



124958	Training differences predict dogs'	Zachary Silver <sup>1</sup> , Ellen Furlong <sup>2</sup> ,	<sup>1</sup> Yale University, <sup>2</sup> Illinois	2-E-91
	preferences for prosocial others	Angie Johnston <sup>3</sup> , Laurie Santos <sup>1</sup>	Wesleyan University, <sup>3</sup> Boston College	_
124959	Shape fitting in preschool children: matching positive space to negative space and negative space to positive space	Elizabeth Steen <sup>1</sup> , Blair Youmans <sup>1</sup> , Wendy Jung <sup>1</sup> , Jeffrey Lockman <sup>1</sup>	<sup>1</sup> Tulane University	3-C-51
124960	Expectations about skin color inheritance by American children and adults	Rebecca Schwarzlose <sup>1</sup> , Ariel Miller <sup>1</sup> , Elizabeth Williams <sup>1</sup> , Lori Markson <sup>1</sup>	<sup>1</sup> Washington University in Saint Louis	1-D-81
124961	The Strategic Taxation of Working Memory: Preschoolers Attend to Belief- violating Information at the Cost of Encoding Future, Unrelated Information	Carla Macias <sup>1</sup> , Elizabeth Bonawitz <sup>2</sup>	<sup>1</sup> Rutgers University, Newark, <sup>2</sup> Rutgers University - Newark	3-B-30
124962	Preschool-aged children generalize statistically learned functions and labels but not preferences to other agents	Teresa Flanagan <sup>1</sup> , Tamar Kushnir <sup>1</sup>	<sup>1</sup> Cornell University	1-F-116
124963	Preschoolers are cautious about extending group traits to unfamiliar group members	Megan Norris <sup>1</sup> , Robyn Kondrad <sup>2</sup>	<sup>1</sup> University of Louisville, <sup>2</sup> James Madison University	4-F-128
124964	Preschoolers neural responses to emotional faces moderates the relation between theory of mind and prosocial behavior	Megan Heise <sup>1</sup> , Lindsay Bowman <sup>2</sup>	<sup>1</sup> UC Davis, <sup>2</sup> University of California Davis	2-F-107
124965	Behavioral coding of children's engagement in a group musical setting	Sara Beck <sup>1</sup> , Alexander Conway <sup>1</sup> , Jessica Lawson <sup>2</sup>	<sup>1</sup> Randolph College, <sup>2</sup> Vanderbilt University	3-F-105
124966	Ingroup bias exists regarding accusations of cheating in a competitive intergroup context	Jacquelyn Glidden <sup>1</sup> , Alexander D'Esterre <sup>2</sup> , Bonnie Woodward <sup>2</sup> , Lucas Butler <sup>3</sup> , Melanie Killen <sup>3</sup>	<sup>1</sup> University of Maryland College Park, <sup>2</sup> University of Maryland, <sup>3</sup> University of Maryland, College Park	4-E-85



124968	The development of children's awareness of racial bias in school leadership positions	Elizabeth Brey <sup>1</sup> , Amanda Burkholder <sup>2</sup> , Kristin Pauker <sup>1</sup> , Melanie Killen <sup>2</sup>	<sup>1</sup> University of Hawaii at Manoa, <sup>2</sup> University of Maryland, College Park	1-F-109
124969	The Effect of Fantasy Worlds on Children's Judgements of Possibility	Brandon Goulding <sup>1</sup> , Ori Friedman <sup>1</sup>	<sup>1</sup> University of Waterloo	3-D-59
124970	Examining the relations between performance-based and parent-report measures of executive function in preschoolers: A multilevel modelling approach.	Amie Kim <sup>1</sup> , Abigail Graves <sup>1</sup> , Ulrich Müller <sup>1</sup>	<sup>1</sup> University of Victoria	4-A-9
124971	Preempting racial bias: Early exposure to diverse books helps children decenter whiteness	Shreya Sodhi <sup>1</sup> , Sarah Blair <sup>1</sup> , Lori Markson <sup>2</sup>	<sup>1</sup> Washington University in St Louis, <sup>2</sup> Washington University in Saint Louis	2-F-131
124972	Neural oscillations differ in strong and weak word learners	Tina Melamed <sup>1</sup> , Mandy Maguire <sup>1</sup> , Alyson Abel-Mills <sup>1</sup>	<sup>1</sup> University of Texas at Dallas	4-D-69
124973	What does decontextualized language look like in the second year of life	Shimeng Weng <sup>1</sup> , Jacob Schatz <sup>1</sup> , Catherine Tamis-Lemonda <sup>1</sup>	<sup>1</sup> New York University	1-D-85
124974	What predicts pro-White bias in resource allocations?	Josie Benitez <sup>1</sup> , Tara Mandalaywala <sup>2</sup> , Marjorie Rhodes <sup>1</sup>	<sup>1</sup> New York University, <sup>2</sup> University of Massachusetts Amherst	3-F-101
124976	Developmental differences in children's intention attributions of relational and physical transgressors	Rachel Croce <sup>1</sup> , Janet Boseovski <sup>1</sup> , Andrea Yuly <sup>1</sup>	<sup>1</sup> University of North Carolina at Greensboro	1-E-89
124977	Future thinking and memory: Addressing a key criticism of the spoon task	Gladys Ayson <sup>1</sup> , Cristina Atance <sup>1</sup>	<sup>1</sup> University of Ottawa	4-B-19
124978	Drawing conclusions about intergroup bias: Children's drawings of outgroup members	Emily Conder <sup>1</sup> , Jonathan Lane <sup>1</sup>	<sup>1</sup> Vanderbilt University	4-F-106
124979	Teaching shortcuts before complex strategies improves flexibility in	Lianda Velic¹, Joanna Weaver², Marci DeCaro¹	<sup>1</sup> University of Louisville, <sup>2</sup> Wheaton College	4-C-50



	mathematical equivalence problem solving			
124980	The rationale of the rational number: Children's organization of fractions and decimals	Sangmi Park <sup>1</sup> , Aryana Kubiak <sup>1</sup> , Julia Orlov <sup>1</sup> , Alena Esposito <sup>1</sup>	<sup>1</sup> Clark University	2-C-49
124981	Essentially blocked: The role of structural context in blocking essentialism	Marianna Zhang <sup>1</sup> , Ellen Markman <sup>1</sup>	<sup>1</sup> Stanford University	3-D-81
124983	How does active sampling support learning new words?	Martin Zettersten <sup>1</sup> , Koeun Choi <sup>2</sup> , Heather Kirkorian <sup>3</sup> , Jenny Saffran <sup>1</sup>	<sup>1</sup> University of Wisconsin- Madison, <sup>2</sup> Virginia Polytechnic Institute and State University, <sup>3</sup> University of Wisconsin - Madison	4-D-81
124984	What makes comforting behavior difficult for young children? Examining the problem-solving and social engagement requirements of prosocial behavior	Sylvia Pinheiro <sup>1</sup> , Tara Karasewich <sup>1</sup> , Nina Buchenrieder <sup>1</sup> , Kristen Dunfield <sup>2</sup> , Valerie Kuhlmeier <sup>1</sup>	<sup>1</sup> Queen's University, <sup>2</sup> Concordia University	2-E-88
124985	Associations between aggression type, gender, and intentionality on children's trait attributions toward transgressors	Andrea Yuly <sup>1</sup> , Rachel Croce <sup>1</sup> , Janet Boseovski <sup>1</sup>	<sup>1</sup> University of North Carolina at Greensboro	1-F-140
124986	Environmental Risk Factors Related to MSDP and Their Impact on Inhibitory Control in Adolescence	Rebecca Gordon <sup>1</sup> , Lauren Micalizzi <sup>1</sup> , Valerie Knopik <sup>2</sup>	<sup>1</sup> Brown University, <sup>2</sup> Purdue University	1-A-4
124987	Give yourself a hand: Investigating low- income preschoolers' spontaneous gesture use in a numerical task	Raychel Gordon <sup>1</sup> , Nicole Scalise <sup>2</sup> , Geetha Ramani <sup>1</sup>	<sup>1</sup> University of Maryland, College Park, <sup>2</sup> University of California, Irvine	1-C-43
124988	Testing the Hierarchical Competing Systems Model in Young Preschoolers' Executive Function	Reagan Pearce <sup>1</sup> , Stuart Marcovitch <sup>2</sup> , Stephanie Miller <sup>1</sup>	<sup>1</sup> University of Mississippi, <sup>2</sup> University of North Carolina at Greensboro	1-A-15



124989	Preschoolers inflexibly attend to lexical over paralinguistic cues in affective judgments of speech regardless of their level of executive function and theory of mind	Mioko Sudo¹, Shinnosuke Ikeda², Tomoko Matsui³, Etsuko Haryu²	<sup>1</sup> University of Florida, <sup>2</sup> University of Tokyo, <sup>3</sup> Tokyo Gakugei University	2-D-81
124990	From principles to outcomes: Preschoolers consider attention and precision when judging what's fair	Colin Jacobs <sup>1</sup> , Madison Flowers <sup>1</sup> , Rosie Aboody <sup>1</sup> , Julian Jara- Ettinger <sup>1</sup>	<sup>1</sup> Yale University	3-E-88
124991	Young children's flexibility in group-based reasoning	Mioko Sudo <sup>1</sup> , Ansley Hitson <sup>1</sup> , Larissa Jordan <sup>1</sup> , Nicole Harrell <sup>1</sup> , M. Jeffrey Farrar <sup>1</sup>	<sup>1</sup> University of Florida	3-F-131
124992	Was that intentional? Infants use emotional communication to infer and re-enact others' intended actions	Peter Reschke <sup>1</sup> , Eric Walle <sup>2</sup> , Daniel Dukes <sup>3</sup> , Colter Clayton <sup>1</sup>	<sup>1</sup> Brigham Young University, <sup>2</sup> University of California, Merced, <sup>3</sup> University of Geneva	4-F-133
124993	Effects of financial concerns on low- income parents' speech to children	Christine Potter <sup>1</sup> , Eva Fourakis <sup>1</sup> , Eldar Shafir <sup>1</sup> , Casey Lew-Williams <sup>1</sup>	<sup>1</sup> Princeton University	1-D-76
124994	Children's evaluation of peer punishers	Sophie Arnold <sup>1</sup> , Julia Marshall <sup>1</sup> , Yarrow Dunham <sup>1</sup>	<sup>1</sup> Yale University	4-E-82
124995	The multidimensionality of infant prosocial behavior: An investigation of type, target, and emergence	Colter Clayton <sup>1</sup> , Kylin Cox <sup>1</sup> , Peter Reschke <sup>1</sup>	<sup>1</sup> Brigham Young University	3-E-95
124996	Student Thinking Evoked by Number Line Representations of Fraction Magnitude	Brianna Devlin <sup>1</sup> , Christina Barbieri <sup>1</sup>	<sup>1</sup> University of Delaware	3-C-37
124997	How do communicative cues shape the way that dogs encode objects?	Angie Johnston <sup>1</sup> , Alyssa Arre <sup>2</sup> , Michael Bogese <sup>1</sup> , Laurie Santos <sup>2</sup>	<sup>1</sup> Boston College, <sup>2</sup> Yale University	2-F-111
124998	Children's explanations of natural events	Kimberly Linetsky <sup>1</sup> , Jason Sofield <sup>1</sup> , Jake Feiler <sup>1</sup>	<sup>1</sup> University of Alabama	2-D-69



124999	Share My Precious: The Mechanism of Prosocial Decision-Making in Children	Oh-Ryeong Ha <sup>1</sup> , Haley Killian <sup>1</sup> , Jarrod Sotos <sup>1</sup> , Tina Malti <sup>2</sup> , Seung- Lark Lim <sup>1</sup>	<sup>1</sup> University of Missouri - Kansas City, <sup>2</sup> University of Toronto Mississauga	3-E-87
125000	Executive Function Relates to Social Problem Solving and Friendship Quality in Middle Childhood	Stephanie Miller <sup>1</sup> , Rachael Reavis <sup>2</sup> , Brittany Avila <sup>3</sup>	<sup>1</sup> University of Mississippi, <sup>2</sup> Earlham University, <sup>3</sup> University of Nevada, Reno	1-F-124
125001	The Impact of a Bilingual Home Environment on Language and Attention Networks: Preliminary Evidence from Toddlers Born Pre-Term	Kelly Vaughn <sup>1</sup> , Johanna Bick <sup>2</sup> , Janelle Montroy <sup>1</sup> , Susan Landry <sup>1</sup> , Dana DeMaster <sup>1</sup>	<sup>1</sup> University of Texas Health Sciences Center at Houston, <sup>2</sup> University of Houston	3-D-79
125002	Developmental Differences in Attention Filtering and Visual Working Memory Capacity	Heidi Cheng <sup>1</sup> , Danielle Lim <sup>1</sup> , Alex Sahar <sup>1</sup> , Michael Dubois <sup>1</sup> , Keisuke Fukuda <sup>1</sup> , Amy Finn <sup>2</sup>	<sup>1</sup> Univeristy of Toronto, <sup>2</sup> University of Toronto	2-A-2
125003	Reevaluating the bilingual advantage using a new developmental task	Marie Drolet <sup>1</sup> , Christopher Fennell <sup>1</sup>	<sup>1</sup> University of Ottawa	3-A-5
125004	Exploration and exploitation in development: charting shifts in decision-making strategies across childhood	Nathaniel Blanco <sup>1</sup> , Vladimir Sloutsky <sup>1</sup>	<sup>1</sup> The Ohio State University	4-A-3
125005	Gender as a cue to sharing preferences in 4-6-year-old children	Madalyn Prince <sup>1</sup> , Lindsey Hildebrand <sup>1</sup> , Nadia Chernyak <sup>2</sup> , Sara Cordes <sup>1</sup>	<sup>1</sup> Boston College, <sup>2</sup> University of California, Irvine	2-F-125
125006	The Same or Different? The Effect of Physical Transformations on Category Membership of Foods and Non-Foods	Allison Fitzsimmons <sup>1</sup> , Camille Rioux <sup>2</sup> , Simone Nguyen <sup>3</sup> , Cheyanne Wyble <sup>1</sup> , Jérémie Lafraire <sup>4</sup> , Jean-Pierre Thibaut <sup>5</sup> , Helana Girgis <sup>6</sup>	<sup>1</sup> Hartwick College, <sup>2</sup> Max Planck Research Group Naturalistic Social Cognition, <sup>3</sup> University of North Carolina Wilmington, <sup>4</sup> Institut Paul Bocuse Research Centre, <sup>5</sup> University Bourgogne	4-D-61



			Franche-Comté, <sup>6</sup> Stockton University	
125007	Social referencing as epistemic information-seeking in preverbal infants	Marina Bazhydai <sup>1</sup> , Gert Westermann <sup>1</sup> , Eugenio Parise <sup>1</sup>	<sup>1</sup> Lancaster University	4-F-102
125008	Children successfully reason about necessary and impossible events, but fail to reason between favorable or unfavorable probabilistic outcomes	Sofía Jáuregui <sup>1</sup> , Nicolò Cesana- Arlotti <sup>1</sup> , Shaun Nichols <sup>2</sup> , Justin Halberda <sup>1</sup>	<sup>1</sup> Johns Hopkins University, <sup>2</sup> Cornell University	1-B-28
125009	Children's reasoning about group-level social hierarchies and their desires and expectations for the future	Reut Vraneski-Shachnai <sup>1</sup> , Isobel Heck <sup>2</sup> , Rachel King <sup>1</sup> , Katherine Kinzler <sup>1</sup>	<sup>1</sup> Cornell University, <sup>2</sup> University of Chicago	3-F-136
125010	Children's Preferences Between Equal and Equitable Tax Divisions	Jayd Blankenship <sup>1</sup> , David Sobel <sup>1</sup>	<sup>1</sup> Brown University	2-E-85
125011	Is children's referential communication affected by a conversational partner's helpfulness?	Myrto Grigoroglou <sup>1</sup> , Patricia Ganea <sup>1</sup>	<sup>1</sup> University of Toronto	1-D-67
125012	A neurophysiological connection between emotions children see and feel: Exploring links between LPP and N170 ERP components	Cassandra Nguyen <sup>1</sup> , Annah Webb <sup>1</sup> , Mariya Chernenok <sup>1</sup> , Jessica Burris <sup>2</sup> , Susan Rivera <sup>1</sup> , Lindsay Bowman <sup>1</sup>	<sup>1</sup> University of California Davis, <sup>2</sup> Rutgers University	1-F-126
125013	Are converts likeable?: Children's and adults' views of those who change social groups	Emily Gerdin <sup>1</sup> , Yarrow Dunham <sup>1</sup>	<sup>1</sup> Yale University	2-F-105
125014	The role of anthropocentric informational assumptions in moral evaluations about environmental transgressions	Lizette Pizza Becerra <sup>1</sup> , Roberto Posada Gilede <sup>2</sup>	<sup>1</sup> Boston University, <sup>2</sup> Universidad Nacional de Colombia	1-E-96
125015	Effects of Exceeding AAP Media Use Recommendations on Impulsivity in Preschoolers	Kelli Long <sup>1</sup> , Brittany Goss <sup>1</sup> , Lori Curtindale <sup>1</sup>	<sup>1</sup> East Carolina University	3-A-10



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125016	Keeping track of change: developmental insights into the ability to represent events as trajectories of token-states	Emily Yearling <sup>1</sup> , Gerry Altmann <sup>1</sup>	<sup>1</sup> University of Connecticut	1-A-19
125017	Visual-motor integration underlies preschool children's letter copying difficulties	Caroline Mayberry <sup>1</sup> , Nicholas Fears <sup>2</sup> , Jeffrey Lockman <sup>1</sup>	<sup>1</sup> Tulane University, <sup>2</sup> University of North Texas Health Science Center	2-A-11
125018	A child's view is unique: developmental differences in what is important in naturalistic scene images	Zahra Abolghasem <sup>1</sup> , Amy Finn <sup>1</sup> , Margaret Schlichting <sup>1</sup>	<sup>1</sup> University of Toronto	4-A-1
125019	Children's Racial Essentialism Predicts Facial Recognition Memory Performance	Jessica Leffers <sup>1</sup> , Kaila Atkins <sup>1</sup> , Jason Bisson <sup>1</sup> , Zoe Lolis <sup>1</sup> , Alec Rutherford <sup>1</sup> , John Coley <sup>1</sup>	<sup>1</sup> Northeastern University	2-B-25
125020	"As long as we are being nice and happy, it's going to be okay." African American and Mexican mother-child contributions to positive and negative shared memories	Jaxenne Daniels <sup>1</sup> , M. Jeffrey Farrar <sup>1</sup>	<sup>1</sup> University of Florida	3-B-25
125021	Bridges versus barriers: Do incorrect theory-like intuitions help or hinder learning about counterintuitive scientific concepts?	Sarah Brown <sup>1</sup> , Samuel Ronfard <sup>2</sup> , Emma Pitt <sup>1</sup> , Erin Doncaster <sup>1</sup> , Janelle Maxwell <sup>1</sup> , Deborah Kelemen <sup>1</sup>	<sup>1</sup> Boston University, <sup>2</sup> University of Toronto at Mississauga	4-D-55
125022	Drawing and two-digit numeral learning: An exploration of recognition accuracy and the errors made by preschoolers	Katherine Papazian <sup>1</sup> , Jennifer Drake <sup>2</sup>	<sup>1</sup> The Graduate Center, The City University of New York, <sup>2</sup> Brooklyn College, The City University of New York	4-C-44
125023	Understanding the development of object fitting: Object structure and spatial process	Wendy Jung <sup>1</sup> , Quinlan Plischke <sup>1</sup> , Bjoern Kahrs <sup>1</sup> , Jeffrey Lockman <sup>1</sup>	<sup>1</sup> Tulane University	1-C-48



125024	A machine learning platform for linking controlled rearing to artificial intelligence	Donsuk Lee <sup>1</sup> , Brian Wood <sup>1</sup> , Samantha Wood <sup>1</sup> , Justin Wood <sup>1</sup>	<sup>1</sup> Indiana University	1-A-10
125025	Toddlers, but not great apes connect through social engagement during a shared experience.	Wouter Wolf <sup>1</sup> , Michael Tomasello <sup>1</sup>	<sup>1</sup> Duke University	3-F-139
125026	Motor Based Predictors of Math Achievement in Kindergarten	Emily Lewis <sup>1</sup> , Lisa Chinn <sup>1</sup> , Jeffrey Lockman <sup>1</sup>	<sup>1</sup> Tulane University	2-C-44
125027	The role of religious status on children's judgments of who is real and what is possible	Ayse Payir <sup>1</sup> , Yixin Cui <sup>1</sup> , Telli Davoodi <sup>1</sup> , Paul Harris <sup>2</sup> , Kathleen Corriveau <sup>1</sup>	<sup>1</sup> Boston University, <sup>2</sup> Harvard University	1-F-130
125028	Preschoolers' Evaluations of Minimal Givers	Jayd Blankenship <sup>1</sup> , David Sobel <sup>1</sup>	<sup>1</sup> Brown University	3-E-82
125029	The influence of bilingualism on children's development of conventional understanding	Maxine Iannuccilli <sup>1</sup> , Kristen Dunfield <sup>1</sup> , Krista Byers-Heinlein <sup>1</sup>	<sup>1</sup> Concordia University	4-F-116
125030	Pupillometry Reveals that Motionese Benefits Infants' Processing of Dynamic Activity	Jessica Kosie <sup>1</sup> , Dare Baldwin <sup>2</sup>	<sup>1</sup> Princeton University, <sup>2</sup> University of Oregon	3-F-118
125031	What could have been done? Counterfactual alternatives to negative outcomes by religious and secular children	Nicholas Botsolis <sup>1</sup> , Luis De La Vina Simon <sup>2</sup> , Ayse Payir <sup>3</sup> , Paul Harris <sup>2</sup> , Kathleen Corriveau <sup>3</sup>	<sup>1</sup> Hellenic College Holy Cross, <sup>2</sup> Harvard University, <sup>3</sup> Boston University	2-F-124
125032	Developmental differences in real-world concepts: More knowledge or different knowledge?	Anna Blumenthal <sup>1</sup> , Katarina Savel <sup>1</sup> , Tri Quang Huynh <sup>1</sup> , Brad Dagleish <sup>1</sup> , Rena Rivera <sup>1</sup> , Sophie Gontarz <sup>1</sup> , Mia Vucurovic <sup>1</sup> , Ken McRae <sup>2</sup> , Michael Mack <sup>1</sup> , Margaret Schlichting <sup>1</sup>	<sup>1</sup> University of Toronto, <sup>2</sup> Western University	2-D-58
125033	Stuck in a bubble: Children expect others who rationally misreport base rates to	Brenda Rincon <sup>1</sup> , Jamie Amemiya <sup>2</sup> , Gail Heyman <sup>2</sup>	<sup>1</sup> UCSD, <sup>2</sup> University of California, San Diego	4-F-134



	update their beliefs with more information			
125034	You sound like you know, but did you check? Children's evaluations of other's calibrated evidence-based claims	Hailey Gibbs <sup>1</sup> , Lucas Butler <sup>2</sup> , Karen Levush <sup>1</sup>	<sup>1</sup> University of Maryland College Park, <sup>2</sup> University of Maryland, College Park	1-F-117
125035	The effects of pattern training on pre- algebraic thinking in preschoolers	Orla Putnam <sup>1</sup> , Tasha Posid <sup>1</sup> , Sydney Clark <sup>2</sup> , Vladimir Sloutsky <sup>1</sup>	<sup>1</sup> The Ohio State University, <sup>2</sup> Kent State University	4-C-47
125036	Pretend play in at-risk populations: The role of parents and implications for cognitive development	Danielle Turley <sup>1</sup> , Rachel Thibodeau <sup>1</sup> , Ansley Gilpin <sup>2</sup> , Melissa Brown <sup>3</sup>	<sup>1</sup> University of Missouri, <sup>2</sup> University of Alabama, <sup>3</sup> Texas Woman's University	2-G-147
125037	Relations Between Children's Out-of- School Activity Participation and Mental Rotation	Woosik Jung <sup>1</sup> , Daniel Suh <sup>1</sup> , Catherine Tamis-Lemonda <sup>1</sup>	<sup>1</sup> New York University	3-C-43
125038	Effects of sticky mittens vs. another interactive experience on infant object exploration	Lauren Malachowski¹, Kate Swift¹, Amy Needham¹	<sup>1</sup> Vanderbilt University	2-A-10
125039	The impact of Gender and Race on children's developing understanding of career-related traits	Jenna Alton <sup>1</sup> , Eleanor Castine <sup>1</sup> , Telli Davoodi <sup>2</sup> , Kathleen Corriveau <sup>2</sup>	<sup>1</sup> Boston University, <sup>2</sup> Boston University	2-F-98
125040	Learning to Concentrate: A Study of Sustained Concentration in Montessori Preschools	Ian Becker <sup>1</sup> , Angeline Lillard <sup>1</sup>	<sup>1</sup> University of Virginia	3-G-142
125041	Longitudinal Relations between Infants' Emerging Social-Cognitive Capacities and their Later Theory of Mind	Amanda Brandone <sup>1</sup> , Wyntre Stout <sup>1</sup>	<sup>1</sup> Lehigh University	3-F-102
125042	Observing others when the end-goal is not immediately visible: eye-tracking, convolutional neural networks, and EEG	Ori Ossmy <sup>1</sup> , Danyang Han <sup>1</sup> , Brianna Kaplan <sup>1</sup> , Melody Xu <sup>1</sup> , Karen Adolph <sup>1</sup>	<sup>1</sup> New York University	3-A-9
125043	Not all families feel "fantastic" - a preschool perspective	Kaitlyn Erhardt <sup>1</sup> , M. Jeffrey Farrar <sup>1</sup>	<sup>1</sup> University of Florida	4-F-110



125044	Segmental Specificity of Infant Statistical Learning	Sara Parvanezadeh Esfahani <sup>1</sup> , Jessica Hay <sup>2</sup>	<sup>1</sup> University of Tennessee, <sup>2</sup> University of Tennessee, Knoxville	4-D-72
125045	Examining cognitive reflection and executive function in Colombian preschool-aged children and their parents	Laura Posada <sup>1</sup> , Kirsten Lesage <sup>1</sup> , Andrew Young <sup>2</sup> , Andrew Shtulman <sup>2</sup> , Rebekah Richert <sup>1</sup>	<sup>1</sup> University of California, Riverside, <sup>2</sup> Occidental College	4-G-150
125046	Developmental differences in attention to action-specific information	Kellan Kadooka <sup>1</sup> , John Franchak <sup>1</sup>	<sup>1</sup> University of California, Riverside	4-A-7
125047	In Friends We Trust: The influence of friendship on selective learning	Narges Afshordi <sup>1</sup> , Melissa Koenig <sup>1</sup>	<sup>1</sup> University of Minnesota	3-F-99
125049	Investigating infants' looking behaviours towards motion trajectories: The role of manner and direction	Nina Harrison <sup>1</sup> , Gavin Bremner <sup>1</sup> , Peter Walker <sup>1</sup>	<sup>1</sup> Lancaster University	1-A-6
125050	Effects of 'We-framing' on Preschoolers' Helping, Sharing, and Commitment	Jared Vasil <sup>1</sup> , Michael Tomasello <sup>1</sup>	<sup>1</sup> Duke University	4-E-94
125051	SES and gender influence grade school word learning	Yvonne Ralph¹, Alyson Abel², Mandy Maguire¹	<sup>1</sup> University of Texas at Dallas, <sup>2</sup> San Diego State University	1-D-77
125052	Children's perception of group membership-based transgressions	Vivian Liu <sup>1</sup> , Andrei Cimpian <sup>1</sup>	<sup>1</sup> New York University	1-E-94
125053	Object demonstration after object exploration impacts action perception in 6-month-old infants	Megan MacGillivray <sup>1</sup> , Melissa Howse <sup>1</sup> , Petra Hauf <sup>1</sup>	<sup>1</sup> St. Francis Xavier University	3-A-12
125054	Does motor ability and recency of motor behaviour influence perception of possible and impossible crawling and walking PLDs in toddlers and adults?	Megan MacGillivray <sup>1</sup> , Melissa Howse <sup>1</sup> , Petra Hauf <sup>1</sup>	<sup>1</sup> St. Francis Xavier University	4-A-11
125055	Friend or rule? The competition of "ingroup favoritism" and "norm-focused	Jingyu Xi <sup>1</sup> , Zhen Wu <sup>1</sup>	<sup>1</sup> Tsinghua University	4-E-96



	concern" in costly third-party punishment game			
125056	Does Parents' Spatial Language Relate to Parent and Child Gender?	Yiqiao Wang <sup>1</sup> , Elizabeth Gunderson <sup>1</sup>	<sup>1</sup> Temple University	1-C-56
125057	Let me do it myself: The relationship between intrusive behavior in adults and young children's persistence	Julia Leonard <sup>1</sup> , Dominique Martinez <sup>2</sup> , Samantha Dashineau <sup>3</sup> , Allyson Mackey <sup>2</sup>	<sup>1</sup> University of Pennsylvania, <sup>2</sup> 1989, <sup>3</sup> Villanova	4-F-122
125058	Synchrony between hearing a label and holding the object: Evidence for an optimal object-label mapping experience	Abigail DiMercurio <sup>1</sup> , Jessica Hay <sup>2</sup> , Daniela Corbetta <sup>1</sup>	<sup>1</sup> University of Tennessee, <sup>2</sup> University of Tennessee, Knoxville	2-D-63
125059	Labels, but not maps, help young children reason about midpoint	Nina Simms <sup>1</sup> , Dedre Gentner <sup>1</sup> , David Uttal <sup>1</sup>	<sup>1</sup> Northwestern University	3-D-76
125060	Better with Age: The Progression of Accurate Performance Perceptions	Demi Robinson <sup>1</sup> , Lori Curtindale <sup>2</sup> , Cynthia Laurie-Rose <sup>3</sup>	<sup>1</sup> 3288 Colony Ct, <sup>2</sup> East Carolina University, <sup>3</sup> Otterbein University	2-A-17
125062	Visual processing contributions to feature search across childhood	Andrew Lynn <sup>1</sup> , Laila Rida <sup>2</sup> , John Maule <sup>3</sup> , Dima Amso <sup>1</sup>	<sup>1</sup> Brown University, <sup>2</sup> King's College, <sup>3</sup> University of Sussex	1-A-11
125064	Tuned in: Children learn from overheard speech while engaged in a cognitively demanding task	Estelle Berger <sup>1</sup> , Monica Ellwood- Lowe <sup>1</sup> , Melissa Jauregui <sup>1</sup> , Ruthe Foushee <sup>1</sup> , Silvia Bunge <sup>1</sup> , Mahesh Srinivasan <sup>1</sup>	<sup>1</sup> University of California, Berkeley	4-D-54
125065	Being responsive to reasons: How children revise their beliefs in light of new arguments	Hanna Schleihauf <sup>1</sup> , Esther Hermann <sup>2</sup> , Julia Fischer <sup>3</sup> , Jan Engelmann <sup>1</sup>	<sup>1</sup> UC Berkeley & Göttingen University, <sup>2</sup> Max Planck Institute for Evolutionary Anthropology, <sup>3</sup> Göttingen University & German Primate Research Center	2-E-90



125066	Visual comparisons in STEM textbooks: Frequency of supports for aligning relational structure	Benjamin Jee <sup>1</sup> , Dedre Gentner <sup>2</sup> , Bryan Matlen <sup>3</sup> , Nina Simms <sup>2</sup>	<sup>1</sup> Worcester State University, <sup>2</sup> Northwestern University, <sup>3</sup> WestEd	2-C-41
125067	The relationship between physiological reactivity and executive function in young children	Elizabeth Dasilva <sup>1</sup> , Bennett Bertenthal <sup>2</sup>	<sup>1</sup> Indiana University-Purdue University Columbus, <sup>2</sup> Indiana University- Bloomington	2-A-4
125068	Children's perceptions of status at the intersection of race and gender	Grace Reid <sup>1</sup> , Lori Markson <sup>2</sup>	<sup>1</sup> Washington University in St. Louis, <sup>2</sup> Washington University in Saint Louis	2-F-127
125069	Do bilinguals and musicians have better sensitivity to distributional information in learning non-native phonemes?	Mihye Choi <sup>1</sup> , Mohinish Shukla <sup>1</sup>	<sup>1</sup> University of Massachusetts Boston	1-D-63
125070	The Exploration Advantage: Children's instinct to explore allows them to detect information that adults miss only when the environment is changing.	Emily Sumner <sup>1</sup> , Amy Li <sup>2</sup> , Amy Perfors <sup>3</sup> , Brett Hayes <sup>4</sup> , Danielle Navarro <sup>2</sup> , Mark Steyvers <sup>1</sup> , Barbara Sarnecka <sup>1</sup>	<sup>1</sup> University of California, Irvine, <sup>2</sup> University of New South Wales Sydney, <sup>3</sup> University of Melbourne, <sup>4</sup> University of New South Wales	4-B-29
125071	Effects of handedness on verbal and written language memory	Jonathan Day-Brown <sup>1</sup> , Melissa Atkins <sup>1</sup> , Marissa Owens <sup>1</sup> , Laura Yost <sup>1</sup>	<sup>1</sup> Marshall University	1-B-23
125072	Girls, but not boys showed an increased sense of commitment to collaboration after their partner invested high vs. low cost	Barbora Siposova <sup>1</sup> , Marcell Székely <sup>2</sup> , John Michael <sup>1</sup>	<sup>1</sup> University of Warwick, <sup>2</sup> Central European University	1-F-134
125073	Diagnostic accuracy of an early number sense screener using ROC curve analyses	Amber Beliakoff <sup>1</sup> , Nancy Jordan <sup>2</sup> , Alice Klein <sup>3</sup> , Haobai Zhang <sup>2</sup> , Brianna Devlin <sup>2</sup>	<sup>1</sup> WestEd/University of Delaware, <sup>2</sup> University of Delaware, <sup>3</sup> WestEd	3-C-32



125074	Is a picture worth 1000 words? Neural engagement during fast mapping vs word learning from context.	Sonali Poudel <sup>1</sup> , Mandy Maguire <sup>1</sup>	<sup>1</sup> University of Texas at Dallas	2-D-73
125075	Social networks and neighborhood demographics: Different dimensions of diversity in children's early social experience	Nicole Burke <sup>1</sup> , Hyesung Grace Hwang <sup>1</sup> , Amanda Woodward <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> The University of Chicago	1-F-110
125076	Tit for tat? The influence of informants' accuracy and intentionality on children's epistemic inferences and reciprocal information sharing	Rosa Hunt <sup>1</sup> , Charlene Andreason <sup>1</sup> , Kimberly Vanderbilt <sup>1</sup>	<sup>1</sup> California State University San Marcos	3-F-115
125077	Relations Between Motor and Language Development in Typically-Developing Children	Nisha Vashi <sup>1</sup> , Elizabeth Morin- Lessard <sup>1</sup> , Susan Graham <sup>1</sup> , Carly McMorris <sup>1</sup>	<sup>1</sup> University of Calgary	3-D-78
125079	Socioeconomic status moderates the relation between spatial and numerical skills in children	Jorge Carvalho Pereira <sup>1</sup> , Elizabeth Gunderson <sup>1</sup>	<sup>1</sup> Temple University	4-C-34
125080	Disruptions in children's lexical processing following changes in dimensions and the relation to age and executive function	Ron Pomper <sup>1</sup> , Margarita Kaushanskaya <sup>1</sup> , Jenny Saffran <sup>1</sup>	<sup>1</sup> University of Wisconsin- Madison	4-D-76
125081	Contributions of Academic Efficacy and Goal Orientations to Learning Gains and Interest during a Challenging Mathematics Lesson	Emily Lyons <sup>1</sup> , Lindsey Richland <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> University of California, Irivine	2-F-117
125082	What role do adults play in fostering creativity?	Natalie Evans <sup>1</sup> , Molly Schlesinger <sup>1</sup> , Emily Hopkins <sup>2</sup> , Rachael Todaro <sup>3</sup> , Roberta Golinkoff <sup>4</sup> , Kathy Hirsh- Pasek <sup>1</sup>	<sup>1</sup> Temple University, <sup>2</sup> University of Scranton, <sup>3</sup> Kent State University, <sup>4</sup> University of Delaware	4-F-111



125083	"Because he said yes right away!": Children use others' decision time when trading to make inferences about their preferences	Kayla Good¹, Alex Shaw²	<sup>1</sup> Stanford University, <sup>2</sup> University of Chicago	1-F-118
125084	Reliability estimates of scale measuring young children's self-perceptions of cognitive control	Robbie Ross <sup>1</sup> , Ali Brian <sup>1</sup>	<sup>1</sup> University of South Carolina	1-G-150
125085	Number understanding among Montessori preschool children	Abha Basargekar <sup>1</sup> , Jessica Taggart <sup>1</sup> , Dermina Vasc <sup>1</sup> , Angeline Lillard <sup>1</sup>	<sup>1</sup> University of Virginia	1-C-35
125086	Abstract thinking, concrete effects: Dimensions on which stimuli vary determines whether or not children engage relational reasoning	Ivan Kroupin <sup>1</sup>	<sup>1</sup> 33 Kirkland St	1-D-69
125087	The effects of gesture and action training on the retention of math equivalence	Alyssa Kersey <sup>1</sup> , Cristina Carrazza <sup>1</sup> , Eliza Congdon <sup>2</sup> , Miriam Novack <sup>3</sup> , Elizabeth Wakefield <sup>4</sup> , Susan Goldin-Meadow <sup>1</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Williams College, <sup>3</sup> Northwestern University, <sup>4</sup> Loyola University Chicago	2-C-42
125088	Exploring predictors of The Awareness of Social Inference Test in women who experience traits relating to the Broader Autism Phenotype	Rachel Nuttall <sup>1</sup> , Geoff Webb <sup>1</sup> , Brinnley Lemmon <sup>1</sup> , Greyson Schuenman <sup>1</sup> , Gus Salazar <sup>1</sup> , Kelsey Hoofman <sup>1</sup> , Hong Ni Mui <sup>2</sup> , Aryana Souza <sup>3</sup> , Rebecca Lundwall <sup>1</sup>	<sup>1</sup> Brigham Young University, <sup>2</sup> Brigham Young University- Hawaii, <sup>3</sup> Brigham Young University- Idaho	2-F-121
125089	Neural correlates of fast-mapping	Maria Arredondo <sup>1</sup> , Janet Werker <sup>2</sup>	<sup>1</sup> Haskins Laboratories, <sup>2</sup> University of British Columbia	4-D-80
125090	Preschoolers statistical learning of multiple words for a referent	Viridiana Benitez <sup>1</sup> , Cassandra Leedom <sup>1</sup> , Emily Fatula <sup>1</sup> , Elaina Corbin <sup>1</sup> , Gillian Bryant <sup>1</sup>	<sup>1</sup> Arizona State University	2-D-56





125091	18-month-olds understand others? needs	M. Tess Fulcher <sup>1</sup> , Moritz Köster <sup>2</sup> , Nicole Burke <sup>1</sup> , Amanda Woodward <sup>3</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Free University of Berlin, <sup>3</sup> The University of Chicago	3-F-109
125092	Memory enhancement for conventional, lateralized spatial structure in preschool children	Koleen McCrink <sup>1</sup> , Samuel Shaki <sup>2</sup>	<sup>1</sup> Barnard College, Columbia University, <sup>2</sup> Ariel University	3-C-45
125093	The role of clutter and context on the dynamics of toddler object play	Amanda Mankovich <sup>1</sup> , Sumarga Suanda <sup>1</sup> , Letitia Naigles <sup>1</sup>	<sup>1</sup> University of Connecticut	3-A-13
125094	Relations between divergent thinking and executive function in early childhood	Julie Vaisarova <sup>1</sup> , Stephanie Carlson <sup>2</sup>	<sup>1</sup> University of Minnesota, <sup>2</sup> University of Minnesota & Reflection Sciences, Inc	4-A-15
125095	The quality of mother-child interactions differentially mediates the relationship between maternal depression at 15 months and later language outcomes for boys and girls	Lucy Sorrell <sup>1</sup> , Tanya Nair <sup>2</sup> , Brianna McMilllan <sup>1</sup> , Lillian Masek <sup>1</sup> , Sarah Paterson <sup>1</sup> , Roberta Golinkoff <sup>3</sup> , Kathy Hirsh-Pasek <sup>1</sup>	<sup>1</sup> Temple University, <sup>2</sup> Trinity University, <sup>3</sup> University of Delaware	4-G-148
125096	Accent-related biases in children's credibility judgments	Mayra Chantal Ramirez <sup>1</sup> , Shirlyn Sia <sup>1</sup> , Catharine Echols <sup>2</sup>	<sup>1</sup> University of Texas, <sup>2</sup> The University of Texas at Austin	3-D-72
125097	Acquiring the number concept: sudden insight or gradual change?	Kristy vanMarle <sup>1</sup> , Afiah Fozi <sup>1</sup> , Sukhvinder Shahi <sup>1</sup> , Ritwik Agrawal <sup>1</sup>	<sup>1</sup> University of Missouri - Columbia	2-C-53
125098	Links between Young Children's Spatial and Language Skills: Coding Relative Proximity to a Landmark	Megan Lorenz <sup>1</sup> , Nora Tucker <sup>2</sup> , Jodie Plumert <sup>2</sup>	<sup>1</sup> Augustana College, <sup>2</sup> University of Iowa	4-C-41
125099	The development of visual working memory over the second year of life	Chen Cheng <sup>1</sup> , Zsuzsa Kaldy <sup>1</sup> , Erik Blaser <sup>1</sup>	<sup>1</sup> University of Massachusetts Boston	2-B-19
125100	: Stories Children Tell: Exploring the relationship between story structure, receptive vocabulary and emergent	Seyma Inan <sup>1</sup> , Seham Almutairi <sup>1</sup> , Virginia Hollatz <sup>1</sup> , Anahitta Modirrousta <sup>1</sup> , Yvette Harris <sup>1</sup>	<sup>1</sup> Miami University	3-G-145



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125101	The relationship between the microstructure of vertical white matter pathways and behavior in early elementary school children	Sophia Vinci-Booher <sup>1</sup> , Bullock Daniel <sup>1</sup> , Caron Brad <sup>1</sup> , McPherson Brent <sup>1</sup> , Karin James <sup>2</sup> , Franco Pestilli <sup>1</sup>	<sup>1</sup> Indiana University, <sup>2</sup> Indiana University Bloomington	1-A-18
125102	Attentiveness and involvement in parent effortful behavior relates to children's persistence	Dominique Martinez <sup>1</sup> , Julia Leonard <sup>2</sup> , Allyson Mackey <sup>1</sup>	<sup>1</sup> 1989, <sup>2</sup> University of Pennsylvania	4-F-124
125103	Effects of toy type and caregiver availability on infants' free play activity	Justine Hoch <sup>1</sup> , Christina Hospodar <sup>1</sup> , Gabriela Alves <sup>1</sup> , Paige Selber <sup>1</sup> , Karen Adolph <sup>1</sup>	<sup>1</sup> New York University	2-A-5
125104	The influence of familiar characters on children's object preferences	Charlene Andreason <sup>1</sup> , Rosa Hunt <sup>1</sup> , Kimberly Vanderbilt <sup>1</sup>	<sup>1</sup> California State University San Marcos	3-A-1
125105	Learning the Obvious: How Mothers Teach the Designed Actions of Everyday Objects	Brianna Kaplan <sup>1</sup> , Jaya Rachwani <sup>1</sup> , Lana Karasik <sup>2</sup> , Catherine Tamis- Lemonda <sup>1</sup> , Karen Adolph <sup>1</sup>	<sup>1</sup> New York University, <sup>2</sup> College of Staten Island, City University of New York	4-A-8
125106	One- and two-year-olds act in accordance with the temporal priority principle	Emma Tecwyn <sup>1</sup> , Nafisa Mahbub <sup>2</sup> , Nishat Kazi <sup>2</sup> , Pingki Mazumder <sup>2</sup> , Daphna Buchsbaum <sup>2</sup>	<sup>1</sup> Birmingham City University, <sup>2</sup> University of Toronto	3-B-23
125107	Judgments About Fact and Fiction by Secular and Christian Children in China	Yixin Cui <sup>1</sup> , Kehan Li <sup>2</sup> , Ayse Payir <sup>1</sup> , Telli Davoodi <sup>1</sup> , Paul Harris <sup>3</sup> , Kathleen Corriveau <sup>1</sup>	<sup>1</sup> Boston University, <sup>2</sup> Tsinghua University, <sup>3</sup> Harvard University	2-G-140
125108	Parents adapt their referential expressions to children's developmental level	Ashley Leung <sup>1</sup> , Daniel Yurovsky <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Carnegie Mellon University	1-D-71
125109	Examining the roles of children's attention and parent-child interaction	Brianna McMilllan <sup>1</sup> , Lillian Masek <sup>1</sup> , Sarah Paterson <sup>1</sup> , Andrew	<sup>1</sup> Temple University, <sup>2</sup> University of Pittsburgh, <sup>3</sup> University of Delaware,	1-A-12



	quality on changes in children's	Ribner <sup>2</sup> , Roberta Golinkoff <sup>3</sup> ,	⁴New York University -	
	expressive vocabulary	Clancy Blair <sup>4</sup> , Kathy Hirsh-Pasek <sup>1</sup>	Steinhardt	
125110	Emotional facial expression preference in toddlers with Williams syndrome	Nonah Olesen <sup>1</sup> , Kate Dixon <sup>1</sup> , Carolyn Mervis <sup>1</sup> , Cara Cashon <sup>1</sup>	<sup>1</sup> University of Louisville	2-A-13
125111	Using Known Words to Learn More Words: A Distributional Analysis of Child Vocabulary Development	Andrew Flores <sup>1</sup> , Jessica Montag <sup>1</sup> , Jon Willits <sup>1</sup>	<sup>1</sup> University of Illinois Urbana-Champaign	2-D-65
125112	Centrality, cue validity, and the development of conceptual reasoning	Robert Ralston <sup>1</sup> , Vladimir Sloutsky <sup>1</sup>	<sup>1</sup> The Ohio State University	4-B-26
125113	Performance on an AP Statistics practice exam is associated with students' predicted scores and course engagement, not number of math classes previously taken	Alex Brodersen <sup>1</sup> , Danielle Rebouças <sup>1</sup> , Matthew Carter <sup>1</sup> , Alison Cheng <sup>1</sup>	<sup>1</sup> University of Notre Dame	1-C-51
125114	The development and representational nature of center-embedded, recursive sequences	Stephen Ferrigno <sup>1</sup> , Susan Carey <sup>1</sup>	<sup>1</sup> Harvard University	3-D-58
125115	Can Chimpanzees, Capuchin Monkeys and Children form Abstract Rules from minimal input?	Elisa Felsche <sup>1</sup> , Christoph Voelter <sup>2</sup> , Daphna Buchsbaum <sup>2</sup> , Amanda Seed <sup>1</sup>	<sup>1</sup> University of St. Andrews, <sup>2</sup> University of Toronto	4-D-60
125116	Intuitive archeology in childhood: Children detect social transmission in the design of artifacts via inverse planning	Adena Schachner <sup>1</sup> , Michelle Lee <sup>1</sup>	<sup>1</sup> University of California, San Diego	1-F-132
125117	Parents' question-asking during children's physical and digital spatial play	Sierra Eisen¹, Jamie Jirout¹, Angeline Lillard¹	<sup>1</sup> University of Virginia	2-F-104
125118	The development of flexible problem solving in young children	You Jin Park <sup>1</sup> , Natalie Hutchins <sup>1</sup> , Fiona Waters <sup>1</sup> , Sarah Jacobson <sup>2</sup> , Lydia Hopper <sup>3</sup> , Lauren Howard <sup>4</sup>	<sup>1</sup> Franklin & Marshall College, <sup>2</sup> City University of New York, <sup>3</sup> Lincoln Park Zoo, <sup>4</sup> Franklin and Marshall College	1-B-30



125119	Can toddlers learn causal action sequences?	Emma Tecwyn <sup>1</sup> , Nishat Kazi <sup>2</sup> , Nafisa Mahbub <sup>2</sup> , Daphna Buchsbaum <sup>2</sup>	<sup>1</sup> Birmingham City University, <sup>2</sup> University of Toronto	4-B-20
125120	Precise prosociality: How children?s number cognition predicts exactness in sharing vs helping contexts	Sifana Sohail <sup>1</sup> , Kristen Dunfield <sup>2</sup> , Nadia Chernyak <sup>3</sup>	<sup>1</sup> University of California - Irvine, <sup>2</sup> Concordia University, <sup>3</sup> University of California, Irvine	1-E-99
125121	The effects of target attributes and context on children's imitative fidelity	Kindy Insouvanh <sup>1</sup> , Jennifer Rennels <sup>1</sup> , Cristine Legare <sup>2</sup> , Karisa Odrunia <sup>1</sup>	<sup>1</sup> University of Nevada, Las Vegas, <sup>2</sup> The University of Texas at Austin	3-F-116
125122	Intuitive statistics and metacognition in children and adults	Madeline Pelz <sup>1</sup> , Kelsey Allen <sup>1</sup> , Joshua Tenenbaum <sup>1</sup> , Laura Schulz <sup>1</sup>	<sup>1</sup> MIT	2-B-30
125123	Developing fairness: The role of number cognition in developing our understanding of exact equality	Sifana Sohail <sup>1</sup> , Nadia Chernyak <sup>2</sup>	<sup>1</sup> University of California - Irvine, <sup>2</sup> University of California, Irvine	4-E-92
125124	Child language input does not reflect world frequency: Typical and atypical feature description across development	Benjamin Morris <sup>1</sup> , Claire Bergey <sup>1</sup> , Daniel Yurovsky <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Carnegie Mellon University	1-D-74
125125	Children use presupposition to infer new word-referent mappings	Claire Bergey <sup>1</sup> , Daniel Yurovsky <sup>2</sup>	<sup>1</sup> University of Chicago, <sup>2</sup> Carnegie Mellon University	2-D-57
125126	Inter-relatedness of pre-algebraic knowledge among middle school children	David Menendez <sup>1</sup> , Lu Ou <sup>2</sup> , Mikhail Yudelson <sup>2</sup> , Vanessa Simmering <sup>3</sup>	<sup>1</sup> University of Wisconsin - Madison, <sup>2</sup> ACTNEXT, <sup>3</sup> ACT, Inc.	2-C-52
125127	The development of subordinate-level categorization: Kinds and brands	Erica Dharmawan <sup>1</sup> , D. Geoffrey Hall <sup>1</sup>	<sup>1</sup> University of British Columbia	3-D-57
125128	Incremental Hypothesis Revision in Child and Adult Causal Reasoning	Rebekah Gelpi <sup>1</sup> , Chris Lucas <sup>2</sup> , Daphna Buchsbaum <sup>1</sup>	<sup>1</sup> University of Toronto, <sup>2</sup> University of Edinburgh	4-D-64



125129	Children?s responses to economic inequality: A developmental trajectory	Kelly Kirkland <sup>1</sup> , Jolanda Jetten <sup>1</sup> , Mark Nielsen <sup>1</sup>	<sup>1</sup> University of Queensland	3-E-89
125130	What if everyone else waited?: Peer norms influence preschoolers' delay of gratification	Rachel White <sup>1</sup> , Emily Morris <sup>1</sup> , Anna Lyndaker <sup>1</sup>	<sup>1</sup> Hamilton College	3-A-17
125131	Thoughtful cardio? Investigating the immediate impact of cognitively engaging physical activity on preschool children's executive function	Marcia Preston <sup>1</sup> , Hannah Puttre <sup>1</sup> , Caroline Morano <sup>1</sup> , Hillary May <sup>1</sup> , Calla Pritulsky <sup>1</sup> , Alexus Ramirez <sup>1</sup> , Kathy Hirsh-Pasek <sup>2</sup> , Roberta Golinkoff <sup>1</sup>	<sup>1</sup> University of Delaware, <sup>2</sup> Temple University	4-A-13
125132	Read to Me: Prerecorded, Video Chat, and In-Person Reading Are Related to Similar Vocabulary and Comprehension Outcomes in Preschoolers	Caroline Morano <sup>1</sup> , Hannah Puttre <sup>1</sup> , Yemimah King <sup>2</sup> , Rebecca Dore <sup>3</sup> , Deborah Nichols <sup>4</sup> , Kathy Hirsh-Pasek <sup>5</sup> , Roberta Golinkoff <sup>1</sup>	<sup>1</sup> University of Delaware, <sup>2</sup> Purdue University, <sup>3</sup> Ohio State University, <sup>4</sup> Purdue University, <sup>5</sup> Temple University	1-F-102
125133	The Effects of Testimony on Children's and Adults' Evidence Processing During Category Learning	Eugene Rohrer <sup>1</sup> , Amanda Brandone <sup>1</sup>	<sup>1</sup> Lehigh University	1-F-131
125134	The relationship between intuitive biology thinking and different levels of scientific expertise	Michal Fux <sup>1</sup> , Nora Cruz <sup>1</sup> , John Coley <sup>1</sup>	<sup>1</sup> Northeastern University	3-B-27
125135	Word learning and sleep in habitually and non-habitually napping children	Katherine Esterline <sup>1</sup> , Rebecca Gómez <sup>1</sup>	<sup>1</sup> University of Arizona	1-D-66
125136	Concepts of God: General anthropomorphic tendencies and cultural environmental factors	Nicholas Shaman <sup>1</sup> , Rebekah Richert <sup>2</sup> , Anondah Saide <sup>3</sup>	<sup>1</sup> University of Houston - Clear Lake, <sup>2</sup> University of California, Riverside, <sup>3</sup> University of North Texas	3-F-130
125137	Children's Affiliation Decisions when Group Membership and Shared Preferences Conflict	Ashley Jordan <sup>1</sup> , Yarrow Dunham <sup>1</sup>	<sup>1</sup> Yale University	2-F-112



125138	Children make category generalizations based on object shape but not object color in visual recognition tasks	Clint Jensen <sup>1</sup> , Timothy Rogers <sup>1</sup> , Vanessa Simmering <sup>2</sup>	<sup>1</sup> University of Wisconsin- Madison, <sup>2</sup> ACT, Inc.	1-A-7
125139	Using the TrackIt Task to study the development of selective sustained attention in children ages 2-7	Emily Keebler <sup>1</sup> , Jaeah Kim <sup>1</sup> , Oceann Stanley <sup>1</sup> , Erik Thiessen <sup>1</sup> , Anna Fisher <sup>1</sup>	<sup>1</sup> Carnegie Mellon University	2-A-6
125140	The role of relative magnitude reasoning in space-math relations	Josh Medrano <sup>1</sup> , Jamie Jirout <sup>2</sup>	<sup>1</sup> University of Maryland, <sup>2</sup> University of Virginia	3-C-46
125141	Effects of set size on cumulative area judgments in young children	Lauren Sprague <sup>1</sup> , Gregory Natt <sup>2</sup> , Sara Cordes <sup>3</sup>	<sup>1</sup> Florida State University, <sup>2</sup> Dominican University of California, <sup>3</sup> Boston College	4-C-49
125142	The Effect of Number of Familiar Object Foils on Novel Name Mapping: Is There a Metacognitive Advantage?	Jeremy Slocum <sup>1</sup> , William Merriman <sup>1</sup>	<sup>1</sup> Kent State University	2-D-80
125143	Children's expectations for ritual performance and cooperation	Nicole Wen <sup>1</sup> , Felix Warneken <sup>1</sup>	<sup>1</sup> University of Michigan	2-F-135
125144	The role of parents' conversational style in children's' mathematics achievement	Keadija Wiley <sup>1</sup> , Olivia Cook <sup>1</sup> , Taylor Thomas <sup>2</sup> , Abigail Ward <sup>2</sup> , Peter Ornstein <sup>2</sup> , Jennifer Coffman <sup>1</sup>	<sup>1</sup> University of North Carolina at Greensboro, <sup>2</sup> University of North Carolina at Chapel Hill	1-C-57
125145	How many observations is one generic worth?	MH Tessler <sup>1</sup> , Sophie Bridgers <sup>2</sup> , Joshua Tenenbaum <sup>1</sup>	<sup>1</sup> MIT, <sup>2</sup> Stanford University	3-D-77
125146	Is Getting It Wrong Right?: Comparing Prompts to Explain and Predict in Children's Causal Reasoning	Alexandra Rett <sup>1</sup> , Emma Geller <sup>1</sup> , Caren Walker <sup>2</sup>	<sup>1</sup> UC San Diego, <sup>2</sup> University of California, San Diego	1-B-32
125147	The Socialization of Children's Autobiographical and Deliberate Memory Through Parent-Child Reminiscing	Olivia Cook <sup>1</sup> , Keadija Wiley <sup>1</sup> , Taylor Thomas <sup>2</sup> , Abigail Ward <sup>3</sup> , Peter Ornstein <sup>2</sup> , Jennifer Coffman <sup>1</sup>	<sup>1</sup> University of North Carolina at Greensboro, <sup>2</sup> University of North Carolina at Chapel Hill,	2-B-20



			<sup>3</sup> University of North Carolina - Chapel Hill	
125148	Four-year-olds' understanding of teaching	Henrike Moll <sup>1</sup> , Yvonne Shen <sup>2</sup> , Jake Ausdemore <sup>2</sup> , Olivia Indik <sup>1</sup> , Alison Wood <sup>2</sup>	<sup>1</sup> University of Southern California, <sup>2</sup> USC	4-F-126
125149	Parental Messages Engender Similarity Preference in Toddlers	Ashley Jordan <sup>1</sup> , Karen Wynn <sup>1</sup>	<sup>1</sup> Yale University	3-F-117
125150	Examining the Relationship Between Inattention and Language in Infants in Low Income Households	Sarah Paterson <sup>1</sup> , Emily Brown <sup>1</sup> , Brianna McMilllan <sup>1</sup> , Rebecca Alper <sup>1</sup> , Rufan Luo <sup>2</sup> , Roberta Golinkoff <sup>3</sup> , Kathy Hirsh-Pasek <sup>1</sup>	<sup>1</sup> Temple University, <sup>2</sup> Rutgers University - Camden, <sup>3</sup> University of Delaware	4-D-73
125151	Exploring analogous problems before lecture enhances metacognition of conceptual knowledge in college physics	Joanna Weaver <sup>1</sup> , Raymond Chastain <sup>2</sup> , Sandra Penny <sup>3</sup> , Marci DeCaro <sup>2</sup>	<sup>1</sup> Wheaton College, <sup>2</sup> University of Louisville, <sup>3</sup> Russell Sage College	1-B-24
125152	Individual Differences in Preschoolers' Selective Learning from Ignorant Speakers	Alyssa Varhol <sup>1</sup> , Tamar Kushnir <sup>1</sup> , Melissa Koenig <sup>2</sup>	<sup>1</sup> Cornell University, <sup>2</sup> University of Minnesota	4-F-137
125153	The impact of ritual on children's social group behavior	Nicole Wen <sup>1</sup> , Aiyana Willard <sup>2</sup> , Michaeala Caughy <sup>3</sup> , Cristine Legare <sup>3</sup>	<sup>1</sup> University of Michigan, <sup>2</sup> Brunel University London, <sup>3</sup> The University of Texas at Austin	3-F-138
125154	Young children consider others' physical constraints to infer their unobserved actions	Sophie Bridgers <sup>1</sup> , Teresa Garcia <sup>2</sup> , Hyowon Gweon <sup>1</sup>	<sup>1</sup> Stanford University, <sup>2</sup> University of California, Berkeley	4-F-103
125155	Understanding the development of inhibitory control through intervention: changes in the effectiveness of in-the-moment reminders across 3-7 year-old children	Jade Yonehiro <sup>1</sup> , Kaylyn Van Deusen <sup>2</sup> , Yuko Munakata <sup>1</sup>	<sup>1</sup> University of California, Davis, <sup>2</sup> University of Colorado, Boulder	3-A-18



125156	Investigating the developmental trajectory of learning by doing: Is doing beneficial when attention is still developing?	Karrie Godwin <sup>1</sup> , Paulo Carvalho <sup>2</sup> , Grace Murray <sup>1</sup>	<sup>1</sup> Kent State University, <sup>2</sup> Carnegie Mellon University	4-A-6
125157	Relations between parent-child interaction, language development, and self-regulation	Lillian Masek <sup>1</sup> , Staci Weiss <sup>1</sup> , Brianna McMilllan <sup>1</sup> , Sarah Paterson <sup>1</sup> , Roberta Golinkoff <sup>2</sup> , Kathy Hirsh-Pasek <sup>1</sup>	<sup>1</sup> Temple University, <sup>2</sup> University of Delaware	1-D-73
125158	Playscapes as informal science learning environments: Age differences in preschoolers' conceptual change about plant life	Rhonda Brown <sup>1</sup> , Victoria Carr <sup>1</sup> , Heidi Kloos <sup>1</sup> , Tina Stanton- Chapman <sup>1</sup> , Leslie Kochanowski <sup>1</sup> , Cathy Maltbie <sup>1</sup>	<sup>1</sup> University of Cincinnati	1-G-143
125159	How do conflict and perspective affect children?s future thinking?	Joshua Rutt <sup>1</sup> , Kathleen Cassidy <sup>1</sup> , Caitlin Mahy <sup>2</sup> , Cristina Atance <sup>1</sup>	<sup>1</sup> University of Ottawa, <sup>2</sup> Brock University	1-F-104
125160	Word-Referent Co-occurrence during Home Activites	Elizabeth Clerkin <sup>1</sup> , Linda Smith <sup>1</sup>	<sup>1</sup> Indiana University	3-D-56
125161	Enhanced family conversation while reading other books after eBook-reading with a conversational agent	Georgene Troseth <sup>1</sup> , Zachary Stuckelman <sup>1</sup> , Israel Flores <sup>1</sup> , Sydney Garretson <sup>1</sup> , Annagayle Lance <sup>1</sup>	<sup>1</sup> Peabody College, Vanderbilt University	2-G-146