

AMY ROBERSON HAYES

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EDUCATION

- Ph. D. Developmental Psychology, 2014
University of Texas at Austin
Research Advisor: Rebecca S. Bigler, Ph.D.
Dissertation Title: *Transparent versus Opaque Explanations for Social Groups and the Development of Intergroup Attitudes and Behavior*
- M.A. Developmental Psychology, 2010
University of Texas at Austin
Research Advisor: Rebecca S. Bigler, Ph.D.
Thesis Title: *The Efficacy of Single-Sex Education: Testing for Selection and Peer Quality Effects*
- B.A. Psychology and Sociology (double major), *summa cum laude*, 2008
Washington and Lee University

ACADEMIC EMPLOYMENT

- September 2020-Present Interim Chair of the Department of Psychology and Counseling
University of Texas at Tyler
- August 2020-Present Associate Professor of Psychology with Tenure
University of Texas at Tyler
- August 2014-August 2020 Assistant Professor of Psychology
University of Texas at Tyler

PUBLICATIONS

Thomas, C., & **Hayes**, A. R. (in press). Using exploratory structural equation modeling to investigate the construct validity of the Critical Thinking Disposition Scale. *Journal of Psychoeducational Assessment*.

Masters*, S., & **Hayes**, A. R. (in press). Pathways among gender role orientation, adaptability, and health behaviors in emerging adulthood. *Current Psychology*. doi: 10.1007/s12144-020-00792-3

* Indicates student co-author

Masters*, S., Hixson*, K. J., & **Hayes**, A. R. (in press). Perceptions of gender and social norms among middle school students: An experimental study of the effects of violation type on exclusion expectations. *Journal of Early Adolescence*.

Hayes, A. R., Masters*, S., & Hixson*, K. J. (2020). Perceptions of ability, work ethic, and participation in college STEM classes. *International Journal of Gender, Science, and Technology*, 12, 65-96. doi: <http://genderandset.open.ac.uk/index.php/genderandset/article/view/677/1118>

Patterson, M. M., Bigler, R. S., Pahlke, E., Brown, C. S., **Hayes**, A. R., Ramirez*, M. C., & Nelson*, A. (2019). Toward a developmental science of politics. *Monographs of the Society for Research in Child Development*, 84(3), 1-185. doi: 10.1111/mono.12386

Hayes, A. R., Bigler, R. S., & Weisgram, E. S. (2018). Of men and money: Characteristics of occupations that affect the gender differentiation of children's occupational interests. *Sex Roles*, 78, 775-788. doi: 10.1007/s11199-017-0846-8

Fulcher, M., & **Hayes**, A. R. (2018). Building a pink dinosaur: The effects of gendered LEGO sets on boys' and girls' play. *Sex Roles*, 79, 273-284. doi: 10.1007/s11199-017-0806-3

Bigler, R. S., **Hayes**, A. R., & Patterson, M. (2017). Social striving: Social group membership and its relation to competence and motivation. In Elliott, A., Dweck, C.S., & Yeager, D.S. (Eds.), *Handbook of Competence and Motivation (2nd Edition): Theory and Application*.

Hayes, A. R., & Klueppel*, L. (2016). Theories of gender. In E. Stocks (Ed.), *The Gale Researcher*, Vol. X. Farmington Hills, NJ: Gale.

Masters*, S. L., Helfers*, S. E., & **Hayes**, A. R. (2016). An overview of gender research. In E. Stocks (Ed.), *The Gale Researcher*, Vol. X. Farmington Hills, NJ: Gale.

Helfers*, S. E., Masters*, S. L., & **Hayes**, A. R. (2016). Sex, gender, and biology. In E. Stocks (Ed.), *The Gale Researcher*, Vol. X. Farmington Hills, NJ: Gale.

Hayes, A. R., & Bigler, R. S. (2015). Postbaccalaureate STEM students' perceptions of their training: Exploring the intersection of gender and nativity. *International Journal of Gender, Science, and Technology*, 7, 180-204.

Bigler, R. S., **Hayes**, A. R., & Liben, L. S. (2015). Analysis and evaluation of the rationales for single-sex schooling. In L. S. Liben and R.S. Bigler (Eds.), *Advances in Child Behavior and Development*, 47, 225-260.

Hayes, A.R., & Bigler, R.S. (2013). Gender-related values, perceptions of discrimination, and graduate training in STEM fields, *International Journal of Gender, Science and Technology*, 5, 255-280.

Signorella, M. L., **Hayes**, A.R., & Li*, Y. (2013). A meta-analytic critique of Mael et al.'s (2005) review of single-sex schooling. *Sex Roles*, 69, 423-441. doi: 10.1007/s11199-013-0288-x.

Bigler, R. S., **Hayes**, A. R., & Hamilton*, V. (2013). The role of schools in the early socialization of differences in boys and girls. Martin C., topic ed. In R.E. Tremblay, M. Boivin, and R. Peters (Eds.), *Encyclopedia on Early Childhood Development* [online]. Montreal, Quebec: Centre of Excellence for Early Childhood Development and Strategic Knowledge Cluster on Early Child Development.

Hayes, A. R., Pahlke, E., & Bigler, R.S. (2011). The efficacy of single-sex education: Testing for selection and peer quality effects. *Sex Roles*, 65, 693-703.

MANUSCRIPTS UNDER REVIEW

Diomedes*, M., & **Hayes**, A. R. (under review). What makes you think that? Moral reasoning, system justification orientation, and intergroup contact as predictors of LGBTQ Attitudes. *Psychology of Sexual Orientation and Gender Diversity*.

GRANT ACTIVITY

Principal investigator, University of Texas at Tyler Internal Research Grant through the Office of Research and Scholarship. Total costs: \$3,390.00. “Psychological and developmental predictors of LGBT attitudes among college students.” **Funded**.

Co-investigator, Greater Texas Foundation, 2018-2020. Total costs: \$865, 963. “Advancing inquiry in middle mathematics for rural East Texas: Promoting Successful postsecondary pathways through mathematics problem solving in middle grades.” **Funded**.

Co-investigator, National Science Foundation, 2016. “NSF Advance-IT: Increasing the Participation and Advancement of Women Faculty in STEM at The University of Texas at Tyler” (NSF-14-573). Unfunded.

SELECTED MANUSCRIPTS IN PREPARATION

Hayes, A. R., & Blackhurst*, D. (under review). Who can see the glass ceiling? Knowledge of group political representation as a predictor of political efficacy in college students.

Hayes, A. R., Jaimes, H., & Bigler, R. S., & Umana-Taylor, A. (*in preparation*). Ethnicity and the attribution of occupational prestige in European American and Latino children.

Hayes, A.R., & Bigler, R.S. (*in preparation*). The effects of single-sex schools on gender essentialist beliefs.

Hayes, A. R., Fulcher, M., & Bigler, R. S. (*in preparation*). Mechanisms via which occupational gender segregation affects occupational interests and aspirations.

PROFESSIONAL PRESENTATIONS

Hayes, A. R. (2020, October). Student stress and well-being in 2020: New trends and Old Problems. Invited professional development presentation given to the East Texas Center for School Based Research & Instruction.

Hayes, A. R. (2020, October). Understanding college students as emerging adults: Applying the science of development to the practice of teaching. Invited presentation to the University of Texas at Tyler Academy of Distinguished Teachers.

Hayes, A. R. (2020, October). Career paths in Psychology and Counseling. Invited presentation to the College of Nursing and Health Sciences first-year seminar.

Masters*, S. M., & **Hayes, A.** (2020, March). Gender identity and stereotyping of occupations among middle school students. Research poster presented at the Society for Research in Adolescence Conference in San Diego, CA.

Lamb, J. H., & **Hayes, A. R.** (2019, October). Rural universities, rural schools, and rural problem solving. Research presentation given at the National Forum to Advance Rural Education in Louisville, KY.

Hayes, A. R. (2019, July). Demographics and mathematics: How gender and race interest with math identity in youth. Presentation given at the 2nd annual Advancing Inquiry in Middle Mathematics (AIMM) for Rural East Texas Summit, Tyler, TX.

Masters*, S. M., **Hayes, A. R.**, & Hixson*, K. (2019, March). Perceptions of gender norms and social consequences among middle school students. Poster presented at the 2019 biennial meeting of the Society for Research in Child Development in Baltimore, MD.

Fulcher, M., **Hayes, A. R.**, Straske*, T., & Baldwin*, M. (2019, March). Build-a-dad: Children's relational play with LEGO blocks. Poster presented at the 2019 biennial meeting of the Society for Research in Child Development in Baltimore, MD.

Patterson, M. M., Bigler, R. S., Pahlke, E., Brown, C. S., **Hayes, A. R.**, Ramirez*, M. C., & Nelson*, A. A. (2019, March). Children's views of the 2016 U.S. presidential election: Gender, racial/ethnic, and immigration issues. In R. S. Bigler (Chair), *Social Justice and U.S. Politics: Multidisciplinary Insights into Children's Political Development*. Symposium conducted at the biennial meeting for the Society for Research in Child Development, Baltimore, MD.

Hayes, A. R., Hixson*, K., & Lamb, J. (2018, October). Math attitudes, anxiety, and future academic goals of adolescent girls and boys. Poster to be presented at the Biennial Gender Development Research Conference in San Francisco, CA.

Hayes, A. R., Hixson*, K. J., & Masters*, S. L. (2018, July). Gender differences in perceptions of work-ethic and ability in college STEM classes. Paper presented at the biennial Gender and STEM Network Conference in Eugene, OR.

Hayes, A. R., & Fulcher, M. (2017, April). Imagining a chilly climate: Gender composition of workplaces impacts young peoples' perceptions of jobs. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.

Hayes, A. R., & Klueppel*, L. (2017, April). The Parenting penalty: How gender and parental status affect children's perceptions of workers. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.

Hayes, A. R., & Hixson*, K. (2016, October). Perceptions of gender climate among STEM and non-STEM faculty. Poster presented at the 7th bi-annual Gender Development Research Conference, San Francisco, California.

Masters*, S., & **Hayes, A. R.** (2016, October). Psychological androgyny, adaptability, and health in college students. Poster presented at the 7th bi-annual Gender Development Research Conference, San Francisco, California.

Hayes, A. R., Bigler, R. S., Jaimes*, H. J., & Umana-Taylor, A. (2015, March). Beyond the IAT: Measuring implicit ethnic attitudes using occupational judgments and memory tasks. In D. Cvencek (Chair), *Implicit and explicit representations of self and in-groups*. Symposium presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

Hayes, A. R., & Robnett, R. D. (2014, October). Predicting STEM Identity and Commitment among High School Students. Poster presented at the 6th bi-annual Gender Development Research Conference, San Francisco, California.

Bigler, R. S., & **Hayes, A. R.** (2014, July). Single-sex classrooms and STEM: Does the absence of male classmates promote girls' interest and achievement? In S. Simpkins (Chair), *Looking beyond teachers: The importance of parents and peers in youths' pursuit of STEM*. Symposium conducted at the International Gender and STEM conference, Berlin, Germany.

Hayes, A. R., & Bigler, R. S. (2014, July). *The experience of graduate STEM training in the U.S. among U.S. and international students: Effects of gender, nativity, and intersectionality*. Poster presented at the International Gender and STEM conference, Berlin, Germany.

Weisgram, E. S., & **Hayes, A. R.** (2014, April). Gender differences in the prioritization of occupational values among American young adults. In R. Lazarides (Chair), *Gender and educational and occupational choices: International Perspectives*. Symposium conducted at the annual meeting of the American Educational Research Association, Philadelphia, Pennsylvania.

Hayes, A. R., & Bigler, R. S. (2013, April). Transparent versus opaque explanations for social groups and the development of intergroup attitudes and behavior. In R. S. Bigler (Chair), *Mechanisms of intergroup attitude formation and function: New insights from novel group paradigms*. Symposium conducted at the biennial meeting for the Society for Research in Child Development, Seattle, Washington.

Bigler, R. S., **Hayes, A. R., & Liben, L. S.** (2013, April). When, why, and how the gender composition of classrooms affects students. In R. S. Bigler (Chair), *Public Single-Sex Education: Dysfunctional Segregation or Desirable Solution?* Invited symposium conducted at the biennial meeting for the Society for Research in Child Development, Seattle, Washington.

Hayes, A. R. (2012, October). *Boys and girls apart: A critical analysis of single-sex schooling*. Invited speaker at Washington and Lee University, Lexington, Virginia.

Hayes, A. R., & Bigler, R. S. (2012, September). The role of values, gender discrimination, and mentoring in men's and women's satisfaction with their STEM graduate training. In H. Watt (Chair), *STEM participation: Individual motivations, perceptions, and cultural values*. Symposium conducted at Dutch National Expert Organisation on Girls/Women and Science/Technology Gender and STEM conference, Haarlem, the Netherlands.

Hayes, A. R., & Bigler, R. S. (2012, April). *Demographic, attitudinal, and contextual factors associated with adults' support for single-sex schooling*. Poster presented at the 5th bi-annual Gender Development Research Conference, San Francisco, California.

Signorella, M., & **Hayes, A. R.** (2012, April). Dependent variables, designs, and data analytic decisions: Evidence on the effects of single-sex schools. In R.S. Bigler (Chair), *The state of single-sex schooling: Theoretical, empirical, methodological, and legal issues*. Symposium conducted at the annual meeting of the American Educational Research Association, Vancouver, British Columbia.

Hayes, A.R., Weisgram, E.S., & Bigler, R.S. (2011, April). Gender differentiation of occupational values across the lifespan. In R. S. Bigler (Chair), *Finding meaningful work: Values, gender, and the pursuit of academic and occupational interests*. Symposium conducted at the biennial meeting of the Society of Research on Child Development, Montreal, Quebec.

Hayes, A.R., Weisgram, E.S., & Bigler, R.S. (2011, April). *Effects of value affordances and sex of worker on children's occupational interests*. Poster presented at the biennial meeting of the Society of Research on Child Development, Montreal, Quebec.

Hayes, A. R., & Bigler, R. S. (2010, April). *Postulating and testing mechanisms via which single-sex schools affect girls' academic outcomes in math and science*. Poster presented at the 4th annual Gender Development Research Conference, San Francisco, California.

Wright, Y., **Hayes, A. R., Pahlke, E., & Bigler, R.S.** (2010, April). *Exploring relations among gender identity, gender attitudes, and leadership orientation for early adolescent girls*. Poster presented at the 4th annual Gender Development Research Conference, San Francisco, California.

Roberson, A. E., & Bigler, R. S. (2010, March). *Effects of single-sex versus coeducational contexts on adolescent girls' performance and persistence in math and science*. Poster presented at the biennial meeting of the Society for Research on Adolescence, Philadelphia, Pennsylvania.

DEPARTMENT, COLLEGE, UNIVERSITY AND COMMUNITY SERVICE

University Level Service

2020-Present	Chair, Faculty Emeritus Selection Committee
2020-Present	President-Elect of the Faculty Senate
2020-Present	Member of the University of Texas at Tyler University Council
2020-Present	Member of the BAAS Advisory Council
2020-Present	Search committee member for Discovery Science Place Museum
	Director
2020-Present	Member of the Institutional Effectiveness Advisory Committee
2020-Present	Member of the University Core Curriculum Committee

2020-Present	Member of the University Council of Chairs
2019-Present	Faculty Senator, College of Education and Psychology Representative
2020-Present	Search committee member for UT Tyler Director of Admissions
2018-Present	Presidential Scholarship Selection Committee
2018-2020	University Undergraduate Council
2019-2020	Faculty Senate Secretary and Executive Committee Member
2017-2018	University of Texas at Tyler Representative to the Texas Higher Education Coordinating Board, Field of Study Committee
2017-2019	Faculty Liaison for Student Research, Center for Excellence in Teaching and Learning
2017-2019	Lyceum Student Research Showcase Co-Organizer
2017-2020	University Honors Committee
2018	Search committee member for UT Tyler Vice President for Budget and Finance
2017	Faculty Senate Tenure and Promotion Review Committee
2017	University Quality Enhancement Program (QEP) Committee

College of Education and Psychology

2020-Present	Leadership Council
2015-2016	Co-chairperson, CEP Vision 2020 Committee
2014-2016	Diversity Committee
2014-2015	Department of Educational Leadership Faculty Search Committee

Department of Psychology and Counseling

2014-Present	Undergraduate Committee
2016-Present	Tenure and Promotion Revisions Committee
2017-Present	Undergraduate Faculty Search Committee
2018-Present	Clinical Psychology Ph.D. Faculty Search Committee
2019-2020	Department Chairperson Faculty Search Committee
2018-2019	Clinical Mental Health Counseling Faculty Search Committee

Community Service

November 2020-Present	Member, Board of Trustees, Chapel Hill Independent School District
Fall 2020-Present	Member of the CHISD Career Technology Education Council
Fall 2019- Present	Member of the CHISD Student Health Advisory Council
Fall 2019-Present	Member of the Chapel Hill Independent School District Communications Committee
Summer 2019-Present	Board of Directors, Samaritan Counseling Center, Tyler, TX
Spring 2019-Present	Board of Directors, Young Audiences for Northeast Texas
Fall 2016	Community Survey Consultant, East Texas Alzheimer's Alliance

AWARDS AND HONORS

2020	Fellow of The University of Texas at Tyler Academy of Distinguished Teachers
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2019	<u>University of Texas System Regents Outstanding Teaching Award</u>
2019	University of Texas at Tyler Crystal Quill Research Award
2018	The National Society of Leadership and Success Excellence in Teaching Award
2017	Alpha Chi Honor Society Outstanding Faculty Award
2016	The Jack and Dorothy Fay White Honors Program Advocate Award The Honors Program, The University of Texas at Tyler
2012	Dissertation Research Funding Grant Department of Psychology, University of Texas at Austin
2012	Janet T. Spence Assistant Instructor Award University of Texas at Austin
2012	Wayne H. Holtzman Professional Development Award Recipient Department of Psychology, University of Texas at Austin
2011	Selected for the University of Texas Graduate Teaching Scholars Program
2011	Wayne H. Holtzman Award for Best Student Paper in Developmental Psychology
2011	Alma Carlson Award for a Teaching Assistant University of Texas at Austin
2011	UT-Austin Psychology Department Nominee for the Graduate School Outstanding Master's Thesis Award
2010	Emma Francis Clark Fellowship Recipient Awarded to one student from each area of the UT-Austin Psychology Department, based on academic merit.
2010	Debra Beth Lobliner Fellowship Recipient A competitive research fellowship awarded by the Developmental Area of the Psychology Department at the University of Texas at Austin.
2009	Debra Beth Lobliner Research Fellowship Recipient The University of Texas at Austin

COURSES DEVELOPED AND TAUGHT

PSYC 2331: Research Methods (undergraduate)

PSYC 2354: Psychological Statistics (undergraduate)
PSYC 4353: Lifespan Development (undergraduate)
PSYC 4380: Honors in Psychology I (undergraduate)
PSYC 4381: Honors in Psychology II (undergraduate)
PSYC 5320: Advanced Human Growth and Development (graduate)
PSYC 5340: Advanced Statistics and Design (graduate)
PSYC 6320: Statistics and Research Design (doctoral)
PSYC 6320: Advanced Study in Human Growth and Development (doctoral)

MASTERS THESIS COMMITTEE MEMBERSHIPS AND CHAIRMENSHIPS

2018-2019 Julia Dailey (Art History)
2019-2020 Jessica Helphrey (Clinical Psychology)
2019-2020 Romina Duarte (Clinical Psychology)
2019-2020 Emily Flores (Clinical Psychology)
2019-2020 Lauren Bennett (Clinical Psychology)
2020-Present Candice Villareal Hayden (Clinical Psychology)
2020-Present Nguyen Nguyen (Clinical Psychology)
2020-Present Kaitlyn Niederstadt (Clinical Psychology): Thesis Chair
2020-Present Rawda Tomoum (Clinical Psychology): Thesis Chair
2020-Present Allyson Coldiron (Clinical Psychology)

PROFESSIONAL AFFILIATIONS

The Society for Research in Child Development
The American Educational Research Association
International Gender and STEM Network
The American Psychological Association
The Society for Research in Adolescence