

Curriculum Vitae

Personal Details

Name: Kelly Trezise
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Education

Doctor of Philosophy in Psychological Science December 2015
University of Melbourne
Dissertation title: Impact of Worry and Working Memory on Algebraic Cognition
Degree awarded: December 5 2015
Supervisor: Professor Robert A. Reeve

Bachelor of Psychology (Honors) April 2008
Flinders University of South Australia
Thesis title: Gender Differences in Scene Context in Object Location Memory

Awards and Honors

University of Melbourne, Melbourne School of Psychological Sciences 2017
“Bridging Postdoctoral Fellowship”, \$40,000

Office of International Relationships, University of Graz, 2016
“Incoming Researchers Grant”, €500

University of Melbourne, Melbourne School of Psychological Sciences 2016
Nomination for the Chancellor's Prize for Excellence in the PhD Thesis

University of Melbourne, Melbourne School of Psychological Sciences 2014
Special Career Support Award, \$2000

University of Melbourne 2009
Melbourne Postgraduate Scholarship

Flinders University 2007
Chancellor's Letter of Commendation

Employment History

- Post-doctoral fellow** 01/ 2017 -
Melbourne School of Psychological Sciences, University of Melbourne
- Post-doctoral researcher** 01/2016 – 12/2016
Science of Learning Research Centre; School of Psychological Sciences, University of Melbourne
- Research assistant** 07/2015 – 12/2015
Science of Learning Research Centre; School of Psychological Sciences, University of Melbourne
- Tutor** 02/2009 – 06/2013
School of Psychological Sciences, University of Melbourne
Subjects taught: ‘Mind, Brain, & Behaviour One’, and ‘Mind, Brain & Behaviour Two’ at the first year tertiary level, ‘Developmental Psychology’ and ‘Cognitive Psychology’ at the second year tertiary level.
Tasks undertaken: attended tutor briefing sessions, prepared material to be given during classes, conducted classes of two-hour duration, marked student reports and provided feedback, answered student queries, and provided one-on-one course assistance where required.
- Head Tutor** 02/2009 – 07/2009
School of Psychological Sciences, University of Melbourne
Subject Developmental Psychology
Tasks undertaken: prepare and deliver materials in tutor briefings; co-ordinate marking of, and mark assignments, liaise with topic coordinator, tutors and students, consultations with students
- Research Assistant** 08/2006 – 01/2009
Flinders Centre for Ageing Studies, School of Psychology, Flinders University of South Australia
Tasks undertaken: coordinate use of and manage longitudinal data, data analysis and interpretation, psychological test scoring

Publications

- Trezise, K.,** Reeve, R.A. (2017). The impact of emotion and cognition on algebraic reasoning. In U. Xolocotzin (Ed). *Understanding emotions in mathematical thinking and learning*. Elsevier Academic Press.
- Trezise, K.,** Reeve, R.A. (2016). Worry and working memory influence each other iteratively over time. *Cognition and Emotion*. 30 (2), 353-368. doi: 10.1080/02699931.2014.1002755
- Trezise K.,** and Reeve, R.A. (2014) Cognition-emotion interactions: patterns of change and implications for math problem solving. *Front. Psychol.* 5:840. doi: 10.3389/fpsyg.2014.00840
- Trezise, K.,** Reeve, R.A. (2014). Working memory, worry and algebraic ability. *Journal of Experimental Child Psychology*, 121, 120-136. doi: 10.1016/j.jecp.2013.12.001.
- Luszcz, M., Giles, L., Eckermann, S., Edwards, P., Browne-Yung, K., Hayles, C., **Trezise, K.,** & Andrews, M. (2007). *The Australian longitudinal study of ageing: 15 years of ageing in South Australia*. Adelaide: Centre for Aging Studies, Flinders University.

Conferences

- Trezise, K.** & Hester, R. (2016). Noticing and Applying in Spelling: Relationships differ with Language Background. Poster presented at Science of Learning Research Centre, Big Day Out, University of Queensland, Australia.
- Trezise, K.** & Reeve, R.A. (2016). *Characterising math anxiety experienced solving algebra problems*. Invited paper symposium presented at JURE 2016 Conference, University of Helsinki, Finland.
- Paul, J.M. & **Trezise, K.** (2016). *Educational Neuroscience and its contribution to learning and instruction: A critical review*. Paper symposium presented at JURE 2016 Conference, University of Helsinki, Finland.
- Trezise, K.**, & Reeve, R.A. (2016). *Patterns of change in problem solving, anxiety and cognition relationships*. Poster presentation at the Neuroscience and Education Special Interest Group Meeting, Vrije University of Amsterdam, the Netherlands.
- Reeve, R.A., Paul, J.M., Butterworth, B., & **Trezise, K.** (2016) *Will the real subitizing range please stand up?* Poster presented at Experimental Psychology Conference, University of Melbourne, Australia.
- Trezise, K.**, Reeve, R.A. (2016). *Patterns of change in problem solving, anxiety and cognition relationship*. Poster presented at Experimental Psychology Conference, University of Melbourne, Australia.
- Trezise, K.**, Reeve, R.A. (2015). *Changes in Anxiety-Cognition Relationships and Implications for Problem Solving*. Paper presentation at Inaugural MDHS Early Career Researcher Network Symposium, University of Melbourne.
- Trezise, K.**, Reeve, R.A. (2015). *Characterising non-engagement in algebra and identifying students at-risk*. Paper presentation at 16th Biennial EARLI Conference for Research on Learning and Instruction, Limassol, Cyprus.
- Trezise, K.**, Reeve, R.A. (2015). *A latent transition analysis of changes in patterns of Single Digit Addition strategies over time*. Poster presented at 2015 Society for Research in Child Development Biennial meeting, Philadelphia, PA, USA.
- Trezise, K.**, Reeve R.A. (2015). *The implications of different profiles of algebraic math anxiety*. Poster presented at 2015 Society for Research in Child Development Biennial meeting, Philadelphia, PA, USA.
- Trezise, K.**, Reeve, R.A. (2014). *The value of steady state models of cognition-emotion*. Poster presented at International Conference on Cognitive Neuroscience, Brisbane, Australia.
- Trezise, K.**, Reeve, R.A. (2014) *Patterns of change in cognition-emotion relationships predict math problem solving*. Paper presented at JURE, University of Cyprus, Nicosia, Cyprus.
- Trezise, K.**, Reeve, R.A. (2014). *Patterns of change in the cognition-emotion relationship predict math problem solving*. Poster presented at Neuroscience and Education Special Interest Group 22 of EARLI, Georg-August-University of Göttingen, Göttingen, Germany.
- Trezise, K.**, Reeve, R.A. (2013). *Changes in working memory and worry over time*. Poster presented at 3rd Australasian Cognitive Neuroscience Society Conference, Monash University, Melbourne, Australia.
- Trezise, K.**, Reeve, R.A. (2013). *Relationships between worry, working memory, and problem solving*. Poster presented at 3rd Students of Brain Research Symposium, Monash University, Melbourne, Australia.
- Trezise, K.**, Reeve, R.A. (2013). *Relationships between worry, working memory, and algebraic problem solving*. Paper presented at 15th Biennial EARLI Conference for Research on Learning and Instruction, Munich, Germany.

- Trezise, K.,** Reeve, R.A. (2013). *Relationships between worry, working memory, and algebraic problem solving*. Paper presented at 20th International Conference on Learning, Rhodes, Greece.
- Trezise, K.,** Reeve, R. A. (2013). *Relationships between adolescents' algebraic problem solving ability, worry and working memory*. Poster presented at 2013 Society for Research in Child Development Biennial meeting, Seattle, WA, USA.
- Trezise, K.,** Reeve, R. A. (2013). *Effects of working memory and worry on algebraic problem solving*. Poster presented at 2013 Cognitive Neuroscience Society Annual meeting, San Francisco, CA, USA.
- Trezise, K.,** Reeve, R. A. (2013). *Latent difference model of algebraic worry and working memory*. Poster presented at 40th Annual Experimental Psychology Conference, Adelaide, Australia.
- Trezise, K.,** Reeve, R. A. (2012). *Algebraic worry amplifies disadvantage of low working memory on algebraic cognition*. Poster presented at Students of Brain Research Symposium, Melbourne, Australia.
- Trezise, K.,** Reeve, R. A. (2012). *Impact of skill, worry and working memory on algebraic cognition*. Poster presented at 39th Annual Experimental Psychology Conference, Sydney, Australia.

Invited lectures, colloquia, and symposia

- Trezise, K. & Paul, J.M.** (2016). *General framework and examples of latent variable analyses in math development research*. Invited symposium at Ulster University, Northern Ireland.
- Trezise, K.** (2016). *Adolescents' changes in mathematical anxiety, cognition, and algebraic problem solving*. Mathematics Education Centre, Loughborough University, UK.
- Trezise, K. & Paul, J.M.** (2016). *The use of latent variable mixture models in mathematical development research*. Presentation at University College London, UK.
- Trezise, K.** (2016). *Patterns of change in adolescents' algebraic problem solving abilities, math anxiety and mathematical cognition*. Colloquium presentation at Department of Experimental Psychology, University of Oxford, UK.
- Trezise, K.,** Paul, J.M., & Xenidou-Dervou, I. (2016). *From neuroscience to the classroom: Emotions are not left in the lunch-break*. Invited SIG 22 Neuroscience and Education Symposium at JURE 2016 Conference, University of Helsinki, Finland.
- Trezise, K. & Paul, J.M.** (2016). *The use of latent variable mixture models in mathematical development research: Clear goals and messy processes*. Presentation at Sammatti Export Meeting, University of Turku, Finland
- Trezise, K.** (2016). *Algebra, math anxiety, and cognition: Individual differences and change relationships*. Seminar presentation at Institute of Psychology, University of Graz, Austria.
- Trezise, K.** (2016). *Finishing the PhD: A panel of researchers who have recently completed their PhD will share their tips and experiences for finishing the thesis*. Early Career Researcher Workshop presentation at University of Melbourne, Australia
- Trezise K.** (2015) *Individual differences and change relationships between algebraic ability, working memory, and worry*. Cognitive Science seminar presentation at University of Melbourne, Australia.
- Trezise, K.** (2015) *Individual differences and change relationships between working memory, worry, and math problem solving*. Colloquia presentation at University of Melbourne.

- Trezise, K.** (2015) *Individual differences and change relationships between algebraic ability, working memory, and worry*. Seminar presentation at University of Western Ontario, London, Canada.
- Trezise, K.** (2014). *Patterns of change in cognition-emotion relationships predict math problem solving*. Workshop presentation at the Institute of Cognitive Neuroscience, University College London, London, UK.
- Trezise, K.** (2014). *Individual differences and change relationships between algebraic ability, working memory, and worry*. Seminar presentation at Katholieke Universiteit Leuven, Leuven Belgium.
- Trezise, K.** (2013). *A latent difference model of worry, working memory, and problem solving*. Presented at 3rd Bayesian Modeling for Cognitive Science workshop, University of Amsterdam, Amsterdam, Netherlands.

Popular and local media coverage

2015 The Age (August 11)

Conference Organization

2016 – Early Career Workshop, Experimental Psychology Conference, Melbourne

2016 – Neuroscience and Education Symposium at Junior Researchers of the European Association of Learning and Instruction (JURE) Conference, Helsinki, Finland.