

BRONNELYS

- Abdallah, A. A., & Noori, M. A. (2009). *Parental involvement in students' mathematics achievement*. Retrieved from www.education.gov.qa/research/samples/parental.pdf
- Abdelfattah, F. (2010). The relationship between motivation and achievement in low-stakes examinations. *Social Behavior and Personality*, 38(2), 159-168.
- Abedalaziz, N. (2010). A gender-related differential item functioning of mathematics test items. *Journal of Educational and Psychological Assessment*, 5(1), 101-116.
- Acido, M. B. (2010). High school students' reasoning skills and their study habits and attitude towards learning. *A Journal of Basic Education*, 4, 108-117. Retrieved from <http://journals.upd.edu.ph/index.php/ali/article/view/1769/1685>
- Adeoye, H., & Emeke, E. A. (2010). Emotional intelligence and self-efficacy as determinants of academic achievement in English language among students in Oyo State senior secondary schools. *Life Psychologia* 18(1), 206-220.
- Adler, J., & Pillay, V. (2007). An investigation into mathematics for teaching: Insights from a case. *African Journal of Research in SMT Education*, 11(2), 87-102.
- Ahmed, W., Minnaert, A., Van der Werf, G., & Kuyper, H. (2010). Perceived social support and early adolescents' achievement: The mediational roles of motivational beliefs and emotions. *Journal of Youth and Adolescence*, 39(1), 36-46.
- Akinsola, M. K., Tella, A., & Tella, A. (2007). Correlates of academic procrastination and mathematics achievement of university undergraduate students. *Eurasia Journal of Mathematics, Science & Technology Education*, 3(4), 363-370.
- Alexander, P. A., Schallert, D. L., & Hare, V. C. (1991). Coming to terms: how researchers in learning and literacy talk about knowledge. *Review of Educational Research*, 61(3), 315-343.
- Alumran, J. I., & Punamaki. (2008). Relationship between gender, age, academic achievement, emotional intelligence, and coping styles in Bahraini adolescents. *Individual Differences Research*, 6(2), 104-119.

- Anderson, L. W. (1994). Measurement of attitudes. In Y. Husen & T.N. Postlethwaite (Eds.). *International encyclopedia of education* (pp. 1:380-390). Oxford, England: Pergamon Press.
- Anderson, N. J. (2002). *The role of metacognition in second language teaching and learning*. ERIC Digest. Retrieved from www.ericdigest.org/2003-1/role.htm
- Anglin, L. P., Pirson, M., & Langer, E. (2008). Mindful learning: A moderator of gender differences in mathematics performance. *Journal of Adult Development*, 15(3-4), 132-139.
- Antidote. (2003). *The emotional literacy handbook. Promoting whole school strategies*. London, England: David Fulton.
- Antunes, C., & Fontaine, A. (2007). Gender differences in the causal relation between adolescents' maths self-concept and scholastic performance. *Psychologica Belgica*, 47(1-2), 71-94.
- Artzt, A., & Armour-Thomas, E. (1992). Development of a cognitive-metacognitive framework for protocol analysis of mathematical problem solving in small groups. *Cognition and Instruction*, 9(2), 137-175.
- Ashcraft, M. H. (2002). Math anxiety: personal, educational and cognitive consequences. *American Psychological Society*, 1(5), 181-185.
- Aschcraft, M. H., & Kirk, E. P. (2001). The relationship between working memory, math anxiety and performance. *Journal of Experiential Psychology*, 130(2), 224-237.
- Ashlock, R. B., Johnson, M. L., Wilson, J. W., & Jones, W. L. (1983). *Guiding each child's learning of mathematics. A diagnostic approach to instruction*. Columbus, Ohio: Charles E. Merrill.
- Attard, C. (2011). 'If you like your teacher, you'll "get" maths more': students talk about good mathematics teachers. *Curriculum Leadership*, 9(6). Retrieved from http://www.curriculum.edu.au/leader/students_talk_about_good_mathematics_teachers_33017.html?issueID=12371
- Austin, E. J., Saklofske, D. H., & Egan, V. (2005). Personality, well-being and health correlates of trait emotional intelligence. *Personality and Individual Differences*, 38, 547-558.

- Austin, E. J., Saklofske, D. H., Huang, S., McKenney, D. (2004). Measurement of trait EI; Testing and cross validating a modified version of Schutte et al.'s (1998) measure. *Personality and Individual Differences, 36*, 555-562.
- Ausubel, D. P. (1963). Cognitive structure and the facilitation of verbal learning. *Journal of Teaching Education, 14*(2), 217-222.
- Ausubel, D. P. (1968). *Education psychology, a cognitive view*. New York, NY: Holt.
- Ayotola, A., & Adedeji, T. (2009). The relationship between gender, age, mental ability, anxiety, mathematics self-efficacy and achievement in mathematics. *Cypriot Journal of Educational Sciences, 4*(2), 113-124.
- Azmitia, M., Cooper, C., & Brown, J. R. (2009). Support and guidance from families, friends, and teachers in Latino early adolescents' math pathways. *The Journal of Early Adolescence, 29*(1), 142-169.
- Babbie, E., & Mouton, J. (2001). *The practice of social research*. Cape Town, South Africa: Oxford University.
- Bandura, A. (1986). *Social foundations of thought and action: a social cognitive theory*. Englewood Cliffs, NJ: Prentice-Hall.
- Bandura, A. (1997). *Self-efficacy: the exercise of control*. New York, NY: Freeman.
- Barchard, K. A., & Hastian, R. A. (2004). The nature and measurement of emotional intelligence abilities. *Educational and Psychological Measurement, 64*(3), 437-462.
- Barnard, A. (1987). *'n Histories-pedagogiese ondersoek na die opleiding van Wiskunde-onderwysers vir die primêre skool* (Doktorale-proefskrif). Universiteit van Pretoria, Pretoria, South Africa.
- Barnes, M. L., & Sternberg, R. J. (1989). Social intelligence and decoding of nonverbal clues. *Intelligence, 13*(3), 263-287.
- Baron, G. L., & Hourbett, D. (2005). *Mathematics education and gender: a position paper*. White Paper. Retrieved from <http://prema.iacm.forth.gr/docs/Del%202%20draft.pdf>
- Bar-On, R. (1997). *The Emotional Quotient Inventory (EQ-i): Technical manual*. Toronto, Canada: Multi-Health Systems.

- Bar-On, R. (2000). Emotional and social intelligence: Insights from the Emotional Quotient Inventory (EQ-i). In R. Bar-On and J. D. A. Parker (Eds.), *Handbook of emotional intelligence*, San Francisco (pp.363-388). San Francisco, SF: Jossey-Bass.
- Bar-On, R. (2003). How important is it to educate people to be emotionally and socially intelligent, and can it be done? *Perspectives in Education*, 21(4), 3-16.
- Bar-On, R. (2004). The Bar-On Emotional Quotient Inventory (EQ-i): Rationale, description, and summary of psychometric properties. In G. Geher (Ed.), *Measuring emotional intelligence: Common ground and controversy* (pp. 111-142). Hauppauge, NY: Nova Science Publishers.
- Baro-On, R. (2006). The Bar-On model of emotional-social intelligence (ESI). *Psicothema*, 11,supl., 13-25.
- Bar-On, R. (2007). The impact of emotional intelligence on giftedness. *Gifted Education International*, 22(1), 122-137.
- Bar-On, R. (2009). *BarOn Emotional Quotient Inventory. Technical Manual*. Toronto, Canada: Multi-Health Systems.
- Bar-On, R. (2010). Emotional intelligence: An integral part of positive psychology. *South African Journal of Psychology*, 40(1), 54-62.
- Bar-On, R., Maree, K., & Elias, M. (Eds.). (2006). *Educating people to be emotionally intelligent*. Sandton, South Africa: Heinemann.
- Bar-On, R., & Parker, D. A. (2000). *The handbook of emotional intelligence. Theory, development, assessment, and application at home, school, and in the workplace*. San Francisco, CA: Jossey-Bass.
- Bar-On, R., & Parker, J. D. A. (2000). *BarOn EQ-i:YVTM BarOn Emotional Quotient Inventory: Youth Version. Technical Manual*. Toronto, Canada: Multi-Health Systems.
- Barkatsas, T. N. (2010). *Learning mathematics with Computer Algebra Systems (CAS): Middle and senior secondary students'achievement, CAS experience and gender differences*. Retrieved from <http://atcm.mathandtech.org/EP2010/regular/3052010-18477.pdf>

- Barry, D. (2004). Language equity and assessment in South African education. *Journal for Language Teaching*, 36(1&2), 105-117.
- Bartlett, B. J., & Elliott, S. N. (2009). The contributions of educational to school psychology. In Gutkin, T. B., & Reynolds, C. R. (Eds.), *The handbook of school psychology* (4th ed.). New York, NJ: Routledge.
- Baumgardner, S. R., & Crothers, M. K. (2010). *Positive psychology*. New Jersey: Pearson.
- Bazeley, P. (2009). Analysing qualitative data: more than 'identifying themes'. *Malaysian Journal of Qualitative Research*, 2, 6-22.
- Beal, C. R., Qu, L., & Lee, H. (2008). Mathematics motivation and achievement as predictors of high school students' guessing and help-seeking with instructional software. *Journal of Computer Assisted Learning*, 24(6), 507-514.
- Bechervaise, N. (1992). Mathematics: a foreign language? *The Australian Mathematics Teacher*, 4(2), 4-8.
- Becvar, D. S., & Becvar, R. J. (1996). *Family therapy*. Massachusetts: Allyn & Bacon.
- Beilock, S. L. (2008). Math performance in stressful situations. *Current Directions in Psychological Science*, 17(5), 339-343.
- Beilock, S. L. (2011). Dealing with academic stress. Retrieved from <http://hpl.uchicago.edu/publications/Academic%20stress.pdf>
- Belanger, F. (2005). Emotional intelligence may be a good predictor of success in computing studies. *Science Daily*. Retrieved from http://newsattic.com/d/hl/emotional_intelligence_may_be_good_predictor_of_success_in_c.html
- Bell, F. H. (1978). *Teaching and learning mathematics*. Dubuque, Iowa: W.C. Brown.
- Bencivenga, A. S., & Elias, J. M. (2003). Academic learning thrives in a caring, sharing educational community. *Middle School Journal*, 34(5), 16-22.
- Bennie, K. (2005). The MATH taxonomy as a tool for analysing course material in mathematics: a study of its usefulness and its potential as a tool for curriculum development. *African Journal of Research in SMT Education*, 9(2), 81-95.

- Berends, M., Lucas, S., & Peñaloza, R. V. (2008). How changes in families and schools are related to trends in Black-White test scores. *Sociology of Education*, 81(4), 313-344.
- Berg, B. L. (1998). *Qualitative research methods for the social sciences*. London, England: Allyn & Bacon.
- Bester, G., & Fourie, J. (2006). Verhoudinge van die adolessent wat groepdruk ervaar. *South African Journal of Education*, 26(1), 157-169.
- Bester, G. (1988). Die verband tussen die selfkonsep van die wiskundeleerling en sy prestasie in wiskunde. *South African Journal of Education*, 8(3), 165-169.
- Bharwaney, G. (2007). *Emotionally intelligent living (Rev. ed.): Strategies for increasing your EQ*. London, England: Crown House.
- Biggs, J. (1996). Enhancing teaching through constructive alignment. *Higher Education*, 32(3), 347-364.
- Boatright, M. (2007). Within-student and contextual factors that influence hispanic students' math achievement. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 68(3-A), 872.
- Bodine, R., & Crawford, D. (1999). *Developing emotional intelligence. A guide to behavior management and conflict resolution in schools*. USA: Research Press.
- Boehnke, K. (2008). Peer pressure: A cause of scholastic underachievement? A cross-cultural study of mathematical achievement among German, Canadian, and Israeli middle school students. *Social Psychology of Education*, 11(2), 149-160.
- Boekaerts, M. (1997). Self-regulated learning: a new concept embraced by researchers, policy makers, educators, teachers, and students. *Learning & Instruction*, 7(2), 151-186.
- Bohnert, A. M., Crnic, K. A., & Lim, K. G. (2003). Emotional competence and aggressive behavior in school-age children. *Journal of Abnormal Child Psychology*, 31(1), 79-91.
- Bohlmann, C., & Pretorius, E. (2008). Relationships between mathematics and literacy: exploring some underlying factors. *Pythagoras*, 27(67), 42-55.

- Borkowski, J. G. (1996). Metacognition: theory or chapter heading? *Learning and Individual Differences*, 8(4), 391-402.
- Boshoff, E. (2009). *Die ontwikkeling van 'n werksetiekvraelys gebaseer op 'n holistiese filosofiese model van etiese besluitneming* (Ongepubliseerde doktorsale proefskrif). Universiteit van die Vrystaat, Bloemfontein, South Africa.
- Botes, H., & Mji, A. (2010). Language diversity in the mathematics classroom: Does a learner companion make a difference? *South African Journal of Education*, 30(1), 123-138.
- Boucher, V., Bramoullé, Y., Djebbari, H., & Fortin, B. (2010). *Do peers affect student achievement? Evidence from Canada using group size variation*. The Institute for the study of labor (IZA), Discussion Paper no 4723. <http://hdl.handle.net/10419/36330>
- Boulton-Lewis, G. M. (1987). Recent cognitive theories applied to sequential length measuring knowledge in young children. *British Journal Educational Psychology*, 57, 330-342.
- Bouwer, B. (2007). *Fasilitering van emosionele intelligensie by leerdres met verbale leergestremdhede* (Ongepubliseerde meestersverhandeling). Universiteit van Pretoria, Pretoria, South Africa.
- Boyatzis, R. E. (1982). *A competent manager: A model for effective performance*. New York, NY: Wiley.
- Boyatzis, R. E., Goleman, D., & Hay/McBer. (1999). *Emotional Competence Inventory*. Boston, MA: Hay/McBer Group.
- Boyatzis, R. E., Goleman, D., & Rhee, K. (2000). Clustering competence in emotional intelligence: Insights from the Emotional Competence Inventory (ECI)s. In R. Bar-On, J. D. A. Parker (Eds.), *Handbook of emotional intelligence* (pp. 343-362). San Francisco, CA: Jossey-Bass.
- Brackett, M. A., Patti, J., Stern, R., Rivers, S. E., Elbertson, N. E., Chisholm, C., & Salovey, P. (2009). A sustainable, skill-based approach to building emotionally literate schools. In M. Hughes, H. L. Thompson, J. B. Terrel (Eds.), *Handbook for developing emotional and social intelligence: Best practices, case studies, and strategies* (pp. 329-358). New York, NY: Pfeifer Publication.

- Brackett, M. A., Mayer, J. D., & Warner, R. M. (2004). Emotional intelligence and its relation to everyday behaviour. *Personality and Individual Differences*, 36(8), 1387-1402.
- Brackett, M. A., Rivers, S. E., & Salovey, P. (2011). Emotional intelligence: Implications for personal, social, academic and workplace success. *Social and Personality Psychology Compass*, 5(1), 88-103.
- Brackett, M. A., Rivers, S. E., Shiffman, S., Lerner, N., & Salovey, P. (2006). Relating emotional abilities to social functioning: A comparison of self-report and performance measures of emotional intelligence. *Journal of Personality and Social Psychology*, 91(4), 780-795.
- Bradford, S. M. (2008). The use of mathematics dialogue to support student learning in high school prealgebra classes. *Dissertations Abstracts International Section A: Humanities and Social Sciences*, 68(9-A), 3772.
- Bransford, J. D., Brown, A. L., & Cocking, R. R. (2000). *How people learn: Brain, mind, experience, and school*. Expanded ed. Washington, DC: National Academy Press.
- Brearley, M. (2001). *Emotional intelligence in the classroom. Creative learning strategies for 11-18 year olds*. Wales, England: Crown House.
- Brodie, K. (2006). Teaching mathematics for equity: learner contributions and lesson structure. *African Journal of Research in SMT Education*, 10(1), 13-24.
- Brown, A. (1987). Metacognition, executive control, self-regulation, and other more mysterious mechanisms. In F. E. Weinert & R. H. Kluwe (Eds.), *Metacognition, motivation and understanding* (pp. 65-116). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Brown, A. L., Bransford, J. D., Ferrara, R. A., & Campione, J. C. (1983). Learning, remembering, and understanding. In J. H. Flavell, E. M. Markman, E. M. (Eds.) & P. H. Mussen (Series Ed.). *Handbook of child psychology: Vol 3*. New York, NY: Wiley.
- Brown, A. L., & Palinscar, A. S. (1982). *Inducing strategic learning from texts by means of informed, self-control training*. Technical Report No. 262, pp. 1-48. Champaign, IL: University of Illinois at Urbana-Champaign.

- Brown, L. (2002). Building social and emotional competence in middle schools. *Educare News*, 131, 40-43.
- Bruner, J. S. (1964). The course of cognitive growth. *American Psychologist*, 19, 1-15.
- Bruner, J. S. (1966). *Towards a theory of instruction*. Massachusetts: Harvard University.
- Brunning, R. H., Shraw, G. J., & Ronning, R. R. (1995). *Cognitive psychology and instruction* (2nd ed.). Upper Saddle River NJ: Merrill/Prentice Hall.
- Buckley, S. (2008). Peer relationships in the mathematics classroom: a social network approach to understanding anxiety and motivation. *AARE 2008 International Education Research Conference: Brisbane: papers collection* .
- Burnett, K., & Farkas, G. (2009). Poverty and family structure effects on children's mathematics achievement: Estimates from random and fixed effects models. *The Social Science Journal*, 46(2), 297-318.
- Byrnes, J. P. (1996). *Cognitive development and learning in instructional contexts*. Boston, England: Allyn & Bacon.
- Calitz, E. M. (1994). Omgewingsopvoeding in die pre-primêre skool: Die kind as ontdekkingsreisiger. *Kleuterklanke. S.A. Tydskrif vir Voorskoolse Opvoeding*, 19(1), 17-23.
- Campbell, D., & Schalekamp, S. (2001). Can you cope with the emotional demands of teaching? *NUE Comment*, 5(3), 18-20.
- Cantor, N., & Kihlstrom, J. F. (1987). *Personality and social intelligence*. Hillsdale, New Jersey: Lawrence Erlbaum.
- Cantor, N., & Kihlstrom, J. F. (1989). Social intelligence and cognitive assessments of personality. In R. S. Wyer & T. K. Srull (Eds.), *Advances in social cognition* (vol 2, pp. 1-61). Hillsdale, New Jersey: Lawrence Erlbaum.
- Cardelle-Elawer, M. (1995). Effects of metacognitive instruction on low-achievers in mathematics problems. *Teaching and Teacher Education*, 11(1): 81-95.
- Carolan, B. V. (2010). Estimating the effects of students' social networks: Does attending a norm-enforcing school pay off? *The Urban Review*, 42(5), 422-440.

- Carr, A. (2004). *Positive psychology*. New York, NY: Routledge.
- Carruthers, E. & Worthington, M. (2005). Making sense of mathematical graphics: the development of understanding abstract symbolism. *European Early Childhood Education Research Association Journal (EECERA)*, 13(1), 57-79.
- Carruthers, E. & Worthington, M. (2006). *Children's mathematics: Making marks, making meaning*. London, UK: Sage Publications.
- Case, R. (1985). *Intellectual development: Birth to adulthood*. New York, NY: Academic.
- Casper, C. M. (2001). *From now on with passion*. California, CA: Cypress House.
- Cathcart, W. G., Pothier, Y. M., Vance, J. H., & Bezuk, N. S. (2000). *Learning mathematics in elementary and middle schools*. Englewood Cliffs, NJ Prentice-Hall.
- Chan, D. W. (2003). Dimensions of emotional intelligence and their relationship with social coping among gifted adolescents in Hong Kong. *Journal of Youth and Adolescence*, 32(6), 409-418.
- Chan, S. M. (2012). Depressive mood in Chinese early adolescents: Relations with shyness, self-esteem and perceived social support. *Asia-Pacific Psychiatry*.
Doi:10.1111/j.1758-5872.2012.00179.x
- Chanal, J. P., Sarrazin, P. G., Guay, F., & Boiché, J. (2009). Verbal, mathematics, and physical education self-concepts and achievements: An extension and test of the Internal/External frame of Reference Model. *Psychology of Sport and Exercise*, 10(1), 61-66.
- Chapin, F. S. (1942). Preliminary standardization of a social impact scale. *American Sociological Review*, 7, 214-225.
- Chapin, F. S. (1967). *The Social Insight Test*. Palo Alto, CA: Consulting Psychologist Press.
- Chapman, E. (2003). Development and validation of a brief attitude scale for primary-aged students. *Journal of Educational Enquiry*, 4(2), 1-15.
- Chase, W. G., & Simon, H. A. (1973). Perception in chess. *Cognitive Psychology*, 4, 55-81.

- Chen, P. P. (2002). Exploring the accuracy and predictability of the self-efficacy beliefs of seventh-grade mathematics students. *Learning and Individual Differences, 14*(1), 77-90.
- Chen, P. P. (2002). Mathematics self-efficacy calibration of seventh graders. *Dissertations Abstracts International Section A: Humanities and Social Sciences, 63*(3-A), 858.
- Cherniss, C., & Goleman, D. (2001). *The emotionally intelligent workplace: how to select for, measure, and improve emotional intelligence in individuals, groups, and organizations*. San Francisco, CA: Jossey-Bass.
- Chinn, S. (2009). Mathematics anxiety in secondary students in England. *Dyslexia: An International Journal of Research and Practice. Special Issue: Making links: Selected papers from the 7th Conference of the British Dyslexia Association, 15*(1), 61-68.
- Chi, M. T. H., Feltovich, P. J., & Glaser, R. (1981). Categorization and representation of physics problems by experts and novices. *Cognitive Sciences, 5*, 121-152.
- Chiu, M. M., & Klassen, R. M. (2010). Relations of mathematics self-concept and its calibration with mathematics achievement: Cultural differences among fifteen-year-olds in 34 countries. *Learning and Instruction, 20*(1), 2-17.
- Chiu, M., Chow, B. W., & McBride-Chang, C. (2007). Universals and specifics in learning strategies: Explaining adolescent mathematics, science, and reading achievement across 34 countries. *Learning and Individual Differences, 17*(4), 344-365.
- Chouinard, R., Karsenti, T., & Roy, N. (2007). Relations among competence beliefs, utility value, achievement goals, and effort in mathematics. *British Journal of Educational Psychology, 77*(3), 501-517.
- Christiansen, I. M. (2007). Mathematical literacy as a school subject: mathematical gaze or livelihood gaze? *African Journal of Research in SMT Education, 11*(1), 91-105.
- Ciarrochi, J., Chan, A. Y., Caputi, P., & Roberts, R. (2001). Measuring emotional intelligence EI. In J. Ciarrochi, J. P. Forgas, & J. Mayer (Eds.), *Emotional intelligence in everyday life: a scientific inquiry*. Philadelphia, PA, US: Psychology Press / Taylor & Francis.
- Ciarrochi, J., & Scott, G. (2006). The link between emotional competence and well-being: a longitudinal study. *British Journal of Guidance & Counselling, 34*(2), 231-243.

- Ciarrochi, J., Wilson, C. J., Rickwood, D., & Dean, F. P. (2002). Adolescents who need help the most are the least likely to seek it: the relationship between low emotional competence and low intention to seek help. *British Journal of Guidance and Counselling*, 30(2), 173-188.
- Cilliers, J. A. (2004). *Die standaardisering van 'n emosionele intelligensiemeetinstrument by kinders*. (Doktorale proefskrif). Universiteit van die Vrystaat, Bloemfontein, South Africa.
- Clark, R. J. (2008). Lost in space: Nonverbal learning disability. In J. N. Apps, R. F. Newby & L. W. Roberts (Eds.), *Pediatric neuropsychology case studies: From the exceptional to the commonplace* (pp. 201-215). New York, NY: Springer Science & Business Media.
- Clarkson, P. C. (2003). *Australian bilingual students and mathematics*. Paper presented at Group 10 (Teaching and learning mathematics in multicultural classrooms) CERME 3: Third conference of the European Society for Research in Mathematics Education, Bellaria, Italy.
- Clifford, E. (2009). Visual-spatial processing and mathematics achievement: The predictive ability of the visual-spatial measures of the Stanford-Binet Intelligence Scales, Fifth Edition and the Wechsler Intelligence Scale for Children-Fourth Edition. *Dissertation Abstracts International Section A: Humanities and Social Science*, 70(3-A), 795.
- Cobb, P. (1994). *Theories of mathematical learning and constructivism: a personal view*. Paper presented at the Symposium on Trends and Perspectives in Mathematics Education. Institute for Mathematics, University of Klagenfurt, Austria.
- Cobb, P., Wood, T., Yackel, E., & Perlwitz, M. (1992). A follow-up assessment of a second-grade problem centred mathematics project. *Educational Studies in Mathematics*, 23(5), 483-504.
- Cockroft Report. (1982). *Mathematics counts*. Report of the Committee of Inquiry into the Teaching of Mathematics in Schools under the Chairmanship of Dr WH Cockcroft, Her Majesty's Stationery Office, London, England.
- Coetzee, L. (2009). *'n Ondersoek na die stand van emosionele intelligensie van 'n groep graad 7-leerders*. Ongepubliseerde meestersverhandeling, Noordwes-Universiteit, Potchefstroom, South Africa.

- Cohen, A. (1994). *The processing of a foreign-language reading tasks in immersion classrooms*. Retrieved from www.eric.ed.gov/ERICWebPortal/search/detailmini.jsp?_nfpb=true&_ERICExtSearch_SearchValue_0=ED372621
- Collins, J. (1998). Seven kinds of smart. *Time*, 136(12), 94-96.
- Combs, J. P., Slate, J. R., Moore, G. W., Bustamante, R. M., Onwuegbuzie, A. J., & Edmonson, S. L. (2010). Gender differences in college preparedness: A statewide study. *The Urban Review*, 42(5), 441-457.
- Compton, W. C. (2005). *An introduction to positive psychology*. Belmont, CA: Wadsworth, Cengage Learning.
- Compton, W. C. & Hoffman, E. (2010). *Positive psychology: The science of happiness and flourishing*. Belmont, CA: Wadsworth, Cengage Learning.
- Conger, J. J. (1991). *Psychological development in a changing world. Adolescence and youth*. New York, NY: Harper Collins.
- Cook, L. L. (2008). Increasing middle grades math achievement through effective teaching practices. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 68(11-A): 4641.
- Cooper, A. (2004). Emotional intelligence and academic achievement. *NUE Comment*, 7(1), 11-14.
- Cooper, A. (2003). Moving forward in our classrooms. *NUE Comment*, 7(2), 16-18.
- Copeland, R. W. (1984). *How children learn mathematics*. New York, NY: MacMillan.
- Corey, G. (2009). *Theory and practice of counseling and psychotherapy*. Belmont, CA: Cengage learning.
- Covey, S. R. (1992). *The seven habits of highly effective people*. New York, NY: Simon & Schuster.
- Covey, S. (1998). *The seven habits of highly effective teens*. New York, NY: Fireside.

- Creswell, J. W. (2012). *Educational research: Planning, conducting, and evaluating quantitative and qualitative research*, (4th ed.). Boston, Massachusetts: Pearson.
- Creswell, J. W., Plano Clark, V. L., Gutmann, M., & Hanson, W. (2003). Advanced mixed methods research designs. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of mixed methods in social and behavioral research* (pp. 209-240). Thousand Oaks, CA: Sage.
- Creswell, J. W. (2003). *Research design. Qualitative, quantitative and mixed methods approaches* (2nd ed.). California, CA: Sage.
- Creswell, J. W. (2005). *Educational research: Planning, constructing, and evaluating qualitative and quantitative research*. California, CA: Sage.
- Creswell, J. W. (2008, October), *Qualitative and mixed methods research*. Paper presented at University of Kwa-Zulu Natal, Natal, South Africa.
- Cross, D. R., & Paris, S. G., (1988). Developmental and instructional analyses of children's metacognition and reading comprehension. *Journal of Educational Psychology*, 80(2), 131-142.
- Crosnoe, R., Riegler-Crumb, C., Frank, K., & Muller, C. (2008). Peer group contexts of girls' and boys' academic experiences. *Child Development*, 79(1), 139-155.
- Curtain-Phillips, M. (2004). *The causes and prevention of math anxiety*. Retrieved from www.mathgoodies.com/articles/math_anxiety.html
- Damasio, A. R. (1994). *Descartes error: Emotion, reason, and the human brain*. New York, NY: G.P. Putnam Sons.
- Davis, H., & Carr, M. (2001). Gender differences in mathematics strategy use: The influence of temperament. *Learning and Individual Differences*, 13(1), 83-95.
- Davis, M. (2004). *Test your EQ*. London, England: Piatkus.
- Davidson, J. E., & Sternberg, R. J. (1998). Smart problem solving: how metacognition helps. In D.J. Haker, J. Dunlosky & A.C. Greasser (Eds.), *Metacognition in educational theory and practice* (pp. 47-68). Mahwah, N.J.: Erlbaum.

- Day, A. L., & Carroll, S. A. (2008). Faking emotional intelligence (EI): Comparing response distortion on ability and trait-based EI measures. *Journal of Organizational Behavior*, 29, 761-784.
- De Corte, E., Op 't Eynde, P., Depaepe, F., & Verschaffel, L., (2010). The reflexive relation between students' mathematics-related belief sand the mathematics classroom culture. In L. D. Bendixen & F. C Feucht (Eds.), *Personal epistemology in the classroom: Theory, research, and implications for practice* (pp. 292-37). New York, NY: Cambridge University Press.
- Defalco, K. (1997). Educator's commentary. In P. Salovey & D. J. Sluyter (Eds.), *Emotional development and emotional intelligence* (pp. 32-34). New York, NY: Basic Books.
- DeGroot, A. D. (1965). *Thoughts and choice in chess*. The Hague, Netherlands: Mouton.
- De Jongh, J. M. (1985). *Riglyne vir die ontwerp van 'n skoolgereedmakingsprogram vir swart skoolbeginners* (Meesters-verhandeling). UNISA, Pretoria, South Africa
- De Klerk, R., & Le Roux, R. (2001). *Emosionele intelligensie: Die alles-in-een werkboek vir optimale persoonlike groei*. Kaapstad, South Africa: Human & Rousseau.
- De Klerk, R., & Le Roux, R. (2003). *Emotional intelligence for children and teens. A practical guide for parents and teachers*. Cape Town, South Africa: Human & Rousseau.
- Delisle, J. R. (1996). Death with honors: Suicide among gifted adolescents. *Journal of Counseling and Development*, 64, 558-560.
- Dempster, E. R. (2007). Textual strategies for answering multiple choice questions among South African learners: What can we learn form TIMSS 2003? *African Journal of Research in SMT Education*, 11(1), 47-60.
- Denham, S. A. (2007). Dealing with feelings: How children negotiate the worlds of emotions and social relationships. *Cognitive Creier Comportament*, 11(1), 1-48.
- Denvir, B. (1982). *Low attainers on mathematics 5-16: policies and practices in schools*. London, England: Methuen Educational.
- Denzin, N. K., & Lincoln, Y. S. (2000). *Handbook of qualitative research*. London, England: Sage.

Denzin, N. K., & Lincoln, Y. S. (2002). *The qualitative inquiry reader*. California, CA: Sage.

Department of Education. (2002). *Draft education for all, Status Report 2002: South Africa, incorporating country plans for 2002 to 2015*. Pretoria, South Africa: Government Printers.

Department of Education. (2001). *Education White Paper 6 Special needs education: building an inclusive education and training system*. Pretoria, South Africa: Government Printers.

Department of Education. (1995). *White paper on education and training*. Pretoria, South Africa : Government Printers.

Departement van Onderwys. (2002). *Hersiene Nasionale Kurrikulum-verklaring Graad R-9 (Skole) Wiskunde*. Pretoria, South Africa: Government Printers.

De Vos, A. S., Fouché, C. B., Strydom, H., & Delpont, C. S. (2005). *Research at grass roots*. Pretoria, South Africa: Van Schaik.

De Vos, A. S., Strydom, H., Fouché, C. B., & Delpont, C. L. S. (2011). *Research at grass roots*. Pretoria, South Africa: Van Schaik.

De Wet, J. J., Van Zyl, P. J., & Du Toit, P. J. S. (1979). *Inleiding tot die psigologiese opvoedkunde* (2de uitgawe). Johannesburg, South Africa: McGraw-Hill.

Dienes, Z. P., & Golding, E. W. (1971). *Approach to modern mathematics*. New York: Herder & Herder.

Di Fabio, A. (2012). *Emotional intelligence – New perspectives and applications*. Intech Retrieved from <http://www.intechopen.com/books/editor/emotional-intelligence-new-perspectives-and-applications>

Di Fabio, A., & Palazzeschi, L. (2009). An in-depth look at scholastic success: Fluid intelligence, personality traits or emotional intelligence. *Personality and Individual Differences*, 46, 581-585.

Di Martino, P., & Mellone, M. (2005). Trying to change attitude towards maths: A one-year experimentation. *Conference of European Research in Mathematics Education*, 4, 235-244.

- Dixon, L. Q. (2005). The bilingual education policy in Singapore: Implications for second language acquisition. In J. Cohen, K. T. McAlister, K. Rolstad, & J. MacSwan (Eds.), *ISB4: Proceedings of the 4th International Symposium on Bilingualism* (pp. 625-636). Somerville, MA: Cascadia.
- Dlamini, C. B. (2004). *The use of letters as variables in algebra: a case of Grade 10 second language* (Master's thesis). University of the Witwatersrand, Johannesburg, South Africa.
- Dodd, A. W. (1999). Insights from a math phobic. *Mathematics Teacher*, 85(4):296-299.
- Doll, E. A. (1953). *The measurement of social competence*. Minneapolis, MN: American Guidance Services.
- Domenici, D. J. (2008). Implications of hermeneutic constructivism for personal construct theory: Imaginally construing the nonhuman world. *Journal of Constructivist Psychology*, 21(1), 25-42.
- Dossel, S. (1993). Maths anxiety. *Australian Teacher*, 49(11), 4-8.
- Doudin, H., Al-Darabé, M. (2003). Gender-related differential item functioning on mathematics performance. *Dirasat: Educational Sciences*, 30(2), 414-419.
- Douglas, O., Burton, K. S., & Reese-Durham, N. (2008). The effects of the multiple intelligence teaching strategy on the academic achievement of eighth grade math students. *Journal of Instructional Psychology*, 35(2), 182-187.
- Dowker, A. (2005). *Individual differences in arithmetic: Implications for psychology, neuroscience & education*. Hove, New York: Psychology Press.
- Downey, L. A., Mountstephen J., Lloyd, J., Hansen, K., & Stough, C. (2008). Emotional intelligence and scholastic achievement in Australian adolescents. *Australian Journal of Psychology*, 60(1), 10-17.
- Dumais, S. A. (2008). Adolescents' time use and academic achievement: A test of the reproduction and mobility models. *Social Science Quarterly*, 89(4), 865-886.
- Dumais, S. A. (2009). Cohort and gender differences in extracurricular participation: The relationship between activities, math achievement, and college expectations. *Sociological Spectrum*, 29(1), 72-100.

- Dumais, S. A. (2009b). The academic attitudes of American teenagers, 1990-2002: Cohort and gender effects on math achievement. *Social Science Research*, 38(4), 767-780.
- Du Preez, P. H. (1980). *'n Ondersoek van die televisiekykpatrone en die programvoorkeure van 'n groep stander agt-leerlinge en die invloed wat televisie op hul studiegewoontes en -houdings mag hê*. Pretoria: Raad vir Geesteswetenskaplike Navorsing.
- Eaton, P. T., & Kidd, S. (2005). Self-conceptualised perceptions of attitude and ability among student teachers. *Conference of European Research in Mathematics Education*, 4, 174-182.
- Ebersohn, L. (2003). A theoretical framework for life skills in guidance and counselling. In L. Ebersohn & I. Eloff (Eds.), *Life skills and assets* (pp. 50-65). Pretoria, South Africa: Van Schaik.
- Edwards, T. G. (2008). Reflective assessment and mathematics achievement by secondary at-risk students in an alternative secondary school setting. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 68(12-A), 4961.
- Edwards, A. & Talbot, R. (1999). *The hard-pressed researcher: A research handbook for the caring professions* (2nd ed.). London, UK: Prentice Hall.
- Egan, G. (2002). *The skilled helper: A problem-management and opportunity-development approach to helping*. Belmont, CA: Brooks/Cole.
- Egan, G. (2010). *The skilled helper: A problem-management and opportunity-development approach to helping* (9th ed.). Belmont, CA: Brooks/Cole, Cengage Learning.
- Eid, J., Johnsen, B. H., & Saus, E. (2005). Trauma narratives and emotional processing. *Scandinavian Journal of Psychology*, 46, 503-510.
- Eklöf, H. (2007). Self-concept and valuing of mathematics in TIMSS 2003: Scale structure and relation to performance in Swedish setting. *Scandinavian Journal of Educational Research*, 51(3), 297-313.
- Eklöf, H. (2007). Test-taking motivation and mathematics performance in TIMSS 2003. *International Journal of Testing*, 7(3), 311-326.

- Elston, W. (1996). *Cognitive mapping: An alternative lesson strategy* (Meesters-verhandeling). Randse Afrikaanse Universiteit: Johannesburg.
- Eloff, I., & Ebersöhn, L. (Eds.). (2004). *Keys to educational psychology*. Cape Town, South Africa: UCT Press.
- Engelbrecht, C. S., Kok, J. C., & Van Biljon, S. S. (1982). *Vowassewording*. Pretoria, South Africa: Butterworths.
- Erasmus, C. P. (2002). *Die daarstel van 'n remediëringstrategie in Wiskunde vir Tswanasprekende leerders* (Ongepubliseerde meesters-verhandeling). Universiteit van Pretoria, Pretoria, South Africa.
- Erikson, E. H. (1950). *Childhood and society*. New York, NY: W. W. Norton & Company.
- Erikson, E. H. (1968). *Identity youth and crisis*. New York, NY: W. W. Norton & Company.
- Ernst, P. (1989). Philosophy, mathematics and education. *International Journal of Mathematics Education, Science and Technology*, 20(4), 555-559.
- Ertmer, P. A., & Newby, T. J. (1993). Behaviorism, cognitivism, constructivism: comparing critical features from an instructional design perspective. *Performance Improvement Quarterly*, 6(4): 50-2.
- Ertmer, P. A., & Newby, T. J. (1996). The expert learner: Strategic, self-regulated and reflective. *Instructional Science*, 24, 1-24.
- Eshaq, H. A. (2008). Student anxiety toward mathematics as af actor in the choice of the scientific or the literary study track in Saudi Arabian secondary education in Jazan. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 68(7-A), 2785.
- Eysenck, H. J. (1998). *A new look: Intelligence*. London, England: Transaction.
- Fan, X., & Chen, M. (2001). Parental involvement and students' academic achievement. A meta-analysis. *Educational Psychology Review*, 13(1), 1-22.
- Ferrara, J. (2010). The effects of learning styles strategies on benchmark eighth grade middle school mathematics achievement. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 71(4-A), 1230.

- Ferla, J., Valcke, M., & Cai, Y. (2009). Academic self-efficacy and academic self-concept: Reconsidering structural relationships. *Learning and Individual Differences, 19*(4), 499-505.
- Feuerstein, A. (2000). School characteristics and parent involvement: Influences on participation in children's schools. *The Journal of Educational Research, 94*(1), 29.
- Field, A. (2005). *Discovering statistics using SPSS* (2nd ed.). London, England: Sage.
- Field, A. (2009). *Discovering statistics using SPSS* (3rd ed.). London, England: Sage.
- Fiore, G. (1999). Math abused students: are we prepared to teach them? *Mathematics Teacher, 92*(5): 403-406.
- Flavell, J. H. (1976). Metacognitive aspects of problem solving. In L.B. Resnick (Ed.), *The nature of intelligence* (pp. 231-235). Hillsdale New York, NY: Lawrence Erlbaum.
- Ford Sori, C., & Hecker, L. L. (2003). *The therapist's notebook for children and adolescents. Homework, handouts and activities for use in psychotherapy*. New York, NY: Haworth.
- Foxcroft, C., & Roodt, G. (2005). *An introduction to psychological assessment in the South African context* (2nd ed.). Cape Town, South Africa: Oxford.
- Frank, K. A., Muller, C., Schiller, K. S., Riegler-Crumb, C., Mueller, A. S., Crosnoe, R., & Pearson, J. (2008). The social dynamics of mathematics cheating in high school. *American Journal of Sociology, 113*(6), 1645-1696.
- Fraser, W. J., Loubser, C. P., & Van Rooy, M. P. (1990). *Didaktiek vir die voorgraadse student*. Durban, South Africa: Butterworths.
- Freeman, D., & Freeman, Y. (2001). *Between worlds: Access to second language acquisition* (2nd ed.). Portsmouth, NH: Heineman.
- Freiberg, K. L. (2005). *Annual Editions: Human development 05/06*. Dubuque, IA: McGraw-Hill/Dushkin.
- Friedberg, R. D., & McClure, J. M. (2002). *Clinical practice of cognitive therapy for children and adolescents*. New York, NY: Guilford.

- Fuller, A. (2001). A blueprint for building social competencies in children and adolescents. *Australian Journal of Middle Schooling*, 1(1), 40-45.
- Furinghetti, F., & Morselli, F. (2005). Reflections on creativity: The case of a good problem solver. *Conference of European Research in Mathematics Education*, 4, 184-192.
- Furner, J. M., & Gonzalez-DeHass, A. (2010). How do students' mastery and performance goals relate to math anxiety? *Eurasia Journal of Mathematics, Science & Technology Education*, 7(4), 227-242.
- Furnham, A., & Pertrides, K. V. (2003). Trait emotional intelligence and happiness. *Social Behavior and Personality*, 31(8), 815-824.
- Furnham, A., & Petrides, K. V. (2004). Parental estimates of five types of intelligence. *Australian Journal of Psychology*, 56(1), 10-17.
- Gagné, R. M. (1976). *The conditions of learning* (3rd ed.). New York, NY: Holf McDougal.
- Gagné, R. M. (1983). Some issues in the psychology of mathematics instruction. *Journal of Research in Mathematics Education*, 14(1), 7-18.
- Garofalo, J., & Lester, F. (1985). Metacognition, cognitive monitoring and mathematical performance. *Journal of Research in Mathematics Education*, 16: 163-175.
- Gardner, H. (1993). *Frames of mind: The theory of multiple intelligences*. New York, NY: Basic Books.
- Gardner, H. (1999). *Intelligence reframed: Multiple intelligences for the 21st century*. New York, NY: Basic Books.
- Gardner, H. E. (2006). *Multiple intelligences, new horizons*. New York, NY: Basic Books.
- Gardner, H., Kornhaber, M. L., & Wake, W. K. (1996). *Intelligence: Multiple perspectives*. New York, NY: Harcourt Brace.
- Gathercole, S.E., & Alloway, T.P. (2008). *Working memory and learning: A practical guide for teachers*. Los Angeles, CA : Sage.
- Gavalek, J. R., & Raphael, T. E. (1985). Metacognition, instruction and the role of questioning activities. In D. L. Forrest-Presslet, G. E. MacKinnin & T. G. Waller

- (Eds.), *Metacognition, cognitive and human performance*, (Vol. 2, pp. 103-106). Orlando, FL: Academic Press.
- Geary, D. C. (2011). Consequences, characteristics, and causes of mathematical learning disabilities and persistent low achievement in mathematics. *Journal of Developmental Behaviour Pediatrics*, 32(3), 250-263.
- Geher, G. (2004). *Measuring emotional intelligence: Common ground and controversy*. New York, NY: Nova Science.
- Georgiou, S. N., Stavriniades, P., & Kalavana, T. (2007). Is Victor better than Victoria at maths? *Educational Psychology in Practice*, 23(4), 329-342.
- Gibbs, N. (1995). The EQ factor. *Time*, 146(14), 4-12.
- Gibbons, P. (2002). *Scaffolding language, scaffolding learning teaching second language learners in the mainstream classroom*. Portsmouth, USA: Heinemann.
- Goetz, T., Preckel, F., Pekrun, R., & Hall, N. C. (2007). Emotional experiences during test taking: Does cognitive ability make a difference? *Learning and Individual Differences*, 17(1), 3-16.
- Golden, G. A. (1990). Epistemology, constructivism, and discovery learning of mathematics. In R. B. Davis, C. A. Mather & N. Noddings (Eds.), *Constructivist views on the Teaching and Learning of Mathematics* (pp. 31-47). Reston, VA: NCTM.
- Goldsworthy, R. (2002). Supporting the development of emotional intelligence through technology. *Computers in the Schools*, 19(1/2), 119-148.
- Goleman, D. (1995). *Emotional intelligence*. New York, NY: Bantam.
- Goleman, D. (1996a). *Emotional intelligence*. London, England: Bloomsbury.
- Goleman, D. (1996b). What's your emotional IQ? *Reader's Digest*, 148(887), 47-50.
- Goleman, D. (1998). *Working with emotional intelligence*. London, England: Bloomsbury.
- Goleman, D. (2008). The secret to success. *Essential Readings Condensed for Quick Review*, 74(4), 8-9.

- Goliath, G. G. (1992). *Kollektiewe konflikgeoriënteerde gedrag en die studiegewoontes en -houdings van leerlinge* (Ongepubliseerde meestersverhandeling). Universiteit van Pretoria, Pretoria, South Africa.
- Gomez-Chacon, I. M. (2005). Affect, mathematical thinking, and intercultural learning. A study on educational practice. *Conference of European Research in Mathematics Education, 4*, 193-204.
- Goodstein, H. A. (1981). Are the errors we see the true errors? Erros analysis in verbal problem solving. *Topics in Learning and Learning Disabilities, 1*, 31-46.
- Gottman, J. M., Katz, L., & Hooven, C. (1997). *Meta-emotion and how families communicate emotionally*. Hillsdale, NJ: Lawrence Erlbaum.
- Gottfried, A. E., Marcoulides, G. A., Gottfried, A. W., Oliver, P. H., & Guerin, D. W. (2007). Multivariate latent change modeling of developmental decline in academic intrinsic math motivation and achievement: Childhood through adolescence. *International Journal of Behavioral Development, 31*(4), 317-327.
- Gottman, J., & DeClaire, J. (1997). *The heart of parenting: Raising an emotionally intelligent child*. New York, NY: Simon & Schuster.
- Gouws, E., Kruger, N., & Burger, S. (2008). *The adolescent (3rd ed.)*. Johannesburg, South Africa: Heineman.
- Graven, M., & Venkat, H. (2007). Emerging pedagogic agendas in the teaching of mathematical literacy. *African Journal of Research in SMT Education, 11*(2), 67-84.
- Greef, M. (2005). Information collecting: Interviews. In A. S. De Vos (Ed.) C. B Fouché, H. Strydom, & C. S. Delpont: *Research at grass roots for the social sciences & human service professions (3rd ed.)* (pp. 286-313). Pretoria, South Africa: Van Schaik.
- Greenberg, M. T., & Snell, J. L. (1997). Brain development and emotional development: The role of teaching in organizing the frontal lobe. In P. Salovey & D. J. Sluyter (Eds.), *Emotional development and emotional intelligence* (pp. 93-119). New York, NY: Basic Books.

- Greene, J. C., Caracelli, V. J., & Graham, W. F. (1989). Toward a conceptual framework for mixed-method evaluation designs. *Educational Evaluation and Policy Analysis*, 11(3), 255-274.
- Greeno, J. G. (1978). Understanding and procedural knowledge in mathematics education. *Educational Psychologist*, 12(3), 262-283.
- Griffin, J. G. (2008). Student attitudes and activities that influence student achievement. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 68(8-A), 3335.
- Grimm, K. J. (2008). Longitudinal associations between reading and mathematics. *Developmental Neuropsychology. Special Issue: Mathematics ability, performance and achievement*, 33(3), 410-426.
- Grosnickle, F. E., Reckzeh, J., Perry, L. M., & Ganoë, N. S. (1983). *Discovering meanings in elementary school mathematics*. New York, NY: CBS College.
- Gutkin, T. B., & Reynolds, C. R. (2009). *The handbook of school psychology* (4th Ed.). Hillsdale, NJ: John Wiley & Sons.
- Hair, J. F., Anderson, R. E., Tatham, R. L., & Black, W. C. (1998). *Multivariate data analysis with readings*. Englewood Cliffs, NJ: Prentice Hall.
- Hamachek, D. (2000). Dynamics of self-understanding and self-knowledge: Acquisition, advantages, and relation to emotional intelligence. *Journal of Humanistic Counselling, Education & Development*, 38(4).
- Hannah, C., & Oosthuizen, W. L. (1984). *Evalueringprosedures in die onderwys*. Pretoria, South Africa: Mathematicae.
- Hannan, A. (1988). Should maths be multicultural? *Mathematics in School*, 17, 28-30.
- Hannula, M. M. (2005). *Spontaneous focusing on numerosity in the development of early mathematical skills*. (Unpublished doctoral thesis). Annaeles Universitatis Turkuensis, Ser B, 282.
- Hannula, M. S. (2004). *Regulating motivation in mathematics. A paper presented at the Topic Study Group 24 of ICME-10 conference*. Retrieved from <http://www.icmeorganisers.dk/tsg24/Documents/Hannula.doc>

- Hannula, M. S., Gomez-Chacon, I. M., Philippou, G., & Schlöglmann, W. (2005). Affect and mathematical thinking. Role of beliefs, emotions, and other affective factors. *Conference of European Research in Mathematics Education, 4*, 165-173.
- Hannula, M. S., Kaasila, R., Laine, A., & Pehkonen, E. (2005). The structure of student teachers' view of mathematics at the beginning of their studies. *Conference of European Research in Mathematics Education, 4*, 205-214.
- Hanrahan, J., Yelin, M., & Rapagna, S. (1987). The effects of test materials and the order of presentation of the materials on young children's understanding of conservation of number. *British Journal Educational Psychology, 57*, 407-411.
- Hargreaves, M., Homer, M., & Swinnerton, B. (2008). A comparison of performance and attitudes in mathematics amongst the 'gifted'. Are boys better at mathematics or do they just think they are? *Assessment in Education, 15*(1), 19-38.
- Harlan, J. (1988). *Science experiments for the early childhood years*. Ohio, OH: Merrill.
- Hattingh, A. (2009). Meester-wiskundeonderwysers as mentors in ondervoorsiene en benadeelde skole. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie, 28*(4), 340-354.
- Hawkey, P. L. (1987). *A study of mathematics anxiety with particular attention to treatment methods* (Meesters-verhandeling). University of Natal, Natal, South Africa.
- Hayes, N. (2000). *Doing psychological research*. Philadelphia, PA: Open University Press.
- He, H. (2007). Adolescents' perception of parental and peer mathematics anxiety and attitude toward *mathematics*: A comparative study of European-American and Mainland-Chinese students. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 68*(5-A), 1812.
- Heddens, J. W., Speer, W. R., & Brahier, D. J. (2009). *Today's mathematics* (12th ed.), Hoboken, NJ: John-Wiley.
- Hefferon, K., & Boniwell, I. (2011). *Positive psychology: Theory, research and application*. New York, NY: McGraw-Hill.

- Hemmings, B., Grootenboer, P., & Kay, R. (2011). Predicting mathematics achievement: The influence of prior achievement and attitudes. *International Journal of Science and Mathematics Education*, 9(3), 691-705.
- Hennessey, M. G. (1999). *Probing the dimensions of metacognition: Implications for conceptual change teaching-learning*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Herbst, I. (1989). *Die ontwikkeling en evaluering van 'n ontwikkeling stimulasieprogram vir die skoolstudiese voorbereiding van swart kleuters* (Doktorale proefskrif), Universiteit van die Oranje-Vrystaat, Bloemfontein, South Africa.
- Higgs, M., & Aitken, P. (2003). An exploration of the relationship between emotional intelligence and leadership potential. *Journal of Managerial Psychology*, 18(8), 814-823.
- Hogan, M. (2010). The importance of emotional intelligence and social support for the academic success of adolescents with and without learning. *Dissertation Abstracts International: Section B: The Sciences and Engineering*, 70(10-B), 6553.
- Hogan, T. P. (2003). *Psychological testing: A practical introduction*. New York, NY: John Wiley & Sons.
- Hogan, M. J., Parker, J. D. A., Wiener, J., Watters, C., Wood, L. M., & Oke, A. (2010). Academic success in adolescence: Relationships among verbal IQ, social support and emotional intelligence. *Australian Journal of Psychology*, 61(1), 30-41.
- Holcomb-McCoy, C. (2005). Ethnic identity development in early adolescence: Implications and recommendations for middle school counselors. *Professional School Counselling*, 9(2), 120-127.
- Holloway, W., & Jefferson, T. (2000). *Doing qualitative research differently: Free association, narrative and the interview method*. London, England: Sage.
- Holt, S., & Jones, S. (2005). Emotional intelligence and organizational performance: Implications for performance consultants and educators. *Performance Improvement*, 44(10), 15-23.

- Hong, S., Yoo, S. K., You, S., & Wu, C. C. (2010). The reciprocal relationship between parental involvement and mathematical achievement: Autoregressive cross-lagged modeling. *The Journal of Experimental Education, 78*, 419-439.
- Horn, I. S. (2008). Turnaround students in high school mathematics: Constructing identities of competence through mathematical worlds. *Mathematical Thinking and Learning, 10*(3), 201-239.
- Hornel, J., Mavisakalyan, A., Nguen, H. T., & Ryan, C. (2012). *School completion: what we learn from different measures of family background*. Adelaide, Australia: NCVER.
- Huang, M. (2009). Classroom homogeneity and the distribution of student math performance: A country-level fixed effects analysis. *Social Science Research, 38*(4), 781-791.
- Hugo, A. J. W. (1991). Help jou kinders om hule wiskundeteks te lees. *Pythagoras, 27*, 36-40.
- Human-Vogel, S. (2004). Cognition and learning. In I. Eloff, & L. Ebersöhn, (Eds.). *Keys to educational psychology*. Cape Town, South Africa: UCT Press.
- Hunt, N., & Evans, D. (2004). Predicting traumatic stress using emotional intelligence. *Behavior Research and Therapy, 42*(7), 791-798.
- Hutton, B. (Ed). (1992). *Adult Basic Education in South Africa*. Cape Town, South Africa: Oxford University.
- Iguchi, N. E. P. (2009). The relationship between mathematics achievement and working memory across education level. *Dissertation Abstracts International: Section B: The Sciences and Engineering, 69*(8-B), 5069.
- Iheanachor, O. U. (2007). *The influence of teachers' background, professional development and teaching practices on students' achievements in mathematics in Lesotho*. (Unpublished masters thesis). University of South Africa, Pretoria, South Africa.
- Ismail, N. A. (2009). Understanding the gap in mathematics achievement of Malaysian students. *Journal of Educational Research, 102*(5), 389-394.
- Ivcevic, Z., Brackett, M. A., & Mayer, J. D. (2007). Emotional intelligence and emotional creativity. *Journal of Personality, 75*(2), 199-235.

- Jacobs, C. D. (1981). *Persoonsverkenning in beroepsoriëntering* (Ongepubliseerde meestersverhandeling). Universiteit van Pretoria, Pretoria, South Africa.
- Jacobs, J. E., & Paris, S. G. (1987). Children's metacognition about reading: issues in definition, measurement and instruction. *Educational Psychology, 22*, 255-278.
- Jain, S., & Dowson, M. (2009). Mathematics anxiety as a function of multidimensional self-regulation and self-efficacy. *Contemporary Educational Psychology, 34*(3), 240-249.
- Janse van Rensburg, M. J. (1986). *'n Evaluering van die wiskunde kurrikulum vir vakleerlinge* (Doktorale proefskrif). Randse Afrikaanse Universiteit, Johannesburg, South Africa.
- Jarvis, M. (2005). *The psychology of effective learning and teaching*. Cheltenham, England: Nelson Thornes.
- Johnson, C. W. (2009). The link between teacher practices and high school students' mathematics self-efficacy: A multilevel analysis. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 70*(3-A), 823.
- Jones, V. O. (2007). Cognitive processes during problem solving of middle school students with different levels of mathematics anxiety and self-esteem: Case studies. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 67*(8-A), 2915.
- Jordaan, W. J. (1991). Witmens Slimmer? G'n bewys sy oorgeërfde intelligensieplafon is hoër. *Beeld, 19 November*.
- Jordan, P. J., & Troth, A. C. (2004). Managing emotions during team problem solving: Emotional intelligence and conflict resolution. *Human Performance, 7*(2), 195-218.
- Jordan, J. A., McRorie, M., & Ewing, C. (2010). Gender differences in the role of emotional intelligence during primary-secondary school transition. *Emotional and Behavioural Difficulties, 15*(1), 37-47.
- Joubert, C. J. (Red). (1983). *Ouer en kind*. Pretoria, South Africa: Errol Marx.
- Joubert, C. J. (Red). (1985). *Beroepsoriëntering*. Pretoria, South Africa: HAUM.

- Julie, C. (2006). Teachers' preferred contexts for mathematical literacy as possible initiators for mathematics in action. *African Journal of Research in SMT Education*, 10(2), 49-58.
- Kaasila, R., Hannula, M. S., Laine, A., & Pehkonen, E. (2005). Autobiographical narratives, identity and view of mathematics. *Conference of European Research in Mathematics Education*, 4, 215-224.
- Kahn, M. (2004). For whom the school bells tolls: Disparities in performance in senior certificate mathematics and physical science. *Perspectives in Education*, 22(1), 149-156.
- Kail, R. V., & Cavanaugh, J. C. (2010). *Human development* (5th ed.). Belmont: Wadsworth.
- Kapp, C. A. (2000). Emotional intelligence (EQ) and success in post-graduate studies: A pilot study. *SA Journal of Higher Education*, 14(3), 151-160.
- Kapp, J. A. (1990). *Kinders met probleme*. Pretoria, South Africa: Van Schaik.
- Karimi, A., & Venkatesan, S. (2009). Mathematics anxiety, mathematics performance and academic hardiness in high school students. *International Journal of Educational Sciences*, 1(1), 33-37.
- Keane, D., Merton, B., Napper, R., & Jackson, C. (2002). *Getting connected guide: Curriculum framework for social inclusion* (2nd ed.). Report: ED476514, pp226.
- Keating, D. P. (1978). A search for social intelligence. *Journal of Educational Psychology*, 70, 218-223.
- Kelly, G. A. (1955). *A theory of personality: The psychology of personal constructs*. New York, NY: Norton.
- Kelly, K. (2002). Hermeneutics in action: Empathy and interpretation in qualitative research. In M. Terreblanche & K. Durrheim (Eds.), *Research in practice: Applied methods for the social sciences* (pp. 398-420). Cape Town, South Africa : University of Cape Town.
- Kelly, S. (2009). The black-white gap in mathematics course taking. *Sociology of Education*, 82(1), 47-69.

- Kennedy, L. M., Tipps, S., & Johnson, A. (2008). *Guiding children's learning of mathematics*. Belmont, Australia: Wadsworth.
- Kenney, J. M., Hancewicz, E., Heuer, L., Metsisto, D., & Tuttle, C. L. (2005). *Literacy strategies for improving mathematics instruction*. Virginia, VA: Association for Supervision and Curriculum Development.
- Kenney-Benson, G. A. (2004). Sex differences in math performance among early adolescents: The role of children's approaches to school. *Dissertation Abstracts International: Section B: The Sciences and Engineering*, 64(8-B), 4084.
- Kenney-Benson, G. A., Pomerantz, E. M., Ryan, A. M., & Patrick, H. (2006). Sex differences in math performance: The role of children's approach to schoolwork. *Developmental Psychology*, 42(1), 11-26.
- Keyser, E. (1996). *Die arbeidsoriënteringsopgaaf van ouers van voorskoolse kinders* (Ongepubliseerde meestersverhandeling). Universiteit van Pretoria, Pretoria, South Africa.
- Khan, A. A. (2009). The influence of socioeconomic status on emotional intelligence and academic performance of community college students. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 69(8-A), 3214.
- Kingma, J., & Koops, W. (1983). Piagetian tasks, traditional achievement tests. *British Journal of Educational Psychology*, 53, 278-290.
- Kitsantas, A., Ware, H. W., & Cheema, J. (2010). Predicting mathematics achievement from mathematics efficacy: Does analytical method make a difference? *The International Journal of Educational and Psychological Assessment*, 5, 25-44.
- Kleanthous, I., & Williams, J. (2010). Perceived parental influence on students' mathematical achievement, inclination to mathematics and disposition to study further mathematics. In M. Joubert & P. Andrews (Eds.). *Proceedings of the British Congress for Mathematics Education*. 30(1), 129-136.
- Klopper, C. (2009). Afrikaanse onderwys. Die probleme en soeke na oplossings. Toespraak van meneer Chris Klopper, uitvoerende hoof van die Suid-Afrikaanse Onderwysersunie (SAOU) by 'n seminar van die Federasie van Afrikaanse Kultuurverenigings (FAK). Centurion, 27 Mei 2009.

- Kloosterman, P. (1996). Students' beliefs about knowing and learning mathematics: implications for motivation. In M. Carr (Ed.): *Motivation in mathematics* (pp. 131-156). Cresskill, NJ: Hampton.
- Koen, A. (2008). *Die verband tussen emosionele intelligensie en psigologiese welstand van adolessente: 'n multikulturele ondersoek* (Ongepubliseerde meestersverhandeling). Universiteit van die Vrystaat, Bloemfontein, Suid-Afrika.
- Köhler, W. (1930). *Gestalt psychology*. London, England: Bell & Sons.
- Konstantopoulos, S., & Chung, V. (2009). What are the long-term effects of small classes on the achievement gap? Evidence from the lasting benefits study. *American Journal of Education*, 116(1), 125-154.
- Kouzes, J. M. (2009). *Handbook for developing emotional and social intelligence: Best practices, case studies, and strategies*. San Francisco, CA: Pfeiffer.
- Kramarski, B., & Mevarech, Z. R. (2003). Enhancing mathematical reasoning in the classroom: The effects of cooperative learning and metacognitive training. *American Educational Research Journal*, 40(1), 281-310.
- Kreber, C., Castleden, H., Erfani, N., Lim, J., & Wright, T. (2003). Exploring the usefulness of Kelly's personal construct theory in assessing student learning in science courses. *Teaching in Higher Education*, 8(3), 431-445.
- Krueger, R. A., & Casey, M. A. (2000). *Focus groups: A practical guide for applied research* (3rd ed.). California, CA: Sage.
- Kriek, C. G. (1996). *Wiskundekurrikulumontwerp vir die senior sekondêre fase* (Doktorale proefskrif). Universiteit van Pretoria, Pretoria.
- Kriel, D. J. (1990). *Die verskillende fasette van wiskunde as determinant vir kurrikulumontwerp* (Ongepubliseerde doktrale proefskrif). Universiteit van Port Elizabeth, Port Elizabeth, South Africa.
- Kuhn, D. (2000). Metacognitive development. Current Directions in Psychological Science. In K. L. Freiberg (Ed.), *Annual Editions: Human Development* (05/06, pp. 70-73). Dubuque: McGraw-Hill/Dushkin

- Kyriakides, L., & Antoniou, P. (2009). Gender differences in mathematics achievement: An investigation of gender differences by item difficulty interactions. *Educational Research and Evaluation, 15*(3), 223-242.
- Kyzer, B. N. (2009). Teacher-student relationships and models of influence and impact on mathematical achievement. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 70*(2-A), 457.
- Kyttälä, M., & Björn, P. M. (2010). Prior mathematics achievement, cognitive appraisals and anxiety as predictors of Finnish students' later mathematics performance and career orientation. *Educational Psychology, 30*(4), 431-448.
- Lam, L. T., & Kirby, S. L. (2002). Is emotional intelligence an advantage? An exploration of the impact of emotional and general intelligence on individual performance. *Journal of Social Psychology, 14*, 133-134.
- Lambertus, A., Bracken, S., & Berenson, S. (2010). What are high achieving young women's perceptions of mathematics over time? In H. J. Forgasz, J. R. Becker, K. Lee, & O. B. Steinthorsdottir (Eds.), *International perspectives on gender and mathematics education* (pp. 341-362). Greenwich, England: Information Age Publishing.
- Landsberg, E., Kruger, D., & Nel, N. (2007). *Addressing barriers to learning: A South African Perspective*. Pretoria, South Africa: Van Schaik.
- Landman, W. A. (1985). *Navorsingsprobleme in die nie-formele onderwys*. Navorsingseenheid: Nie-formele Onderwys, Universiteit van Pretoria. Pretoria, South Africa.
- Lane, R. D., Quinlan, D. M., Schwartz, G. E., Walker, P. A., & Zeitlan, S. B. (1990). The levels of Emotional Awareness Scale: A cognitive-developmental measure of emotion. *Journal of Personality Assessment, 55*, 124-134.
- Langlie, M. L. (2008). The effect of culturally relevant pedagogy on the mathematics achievement of Black and Hispanic high school students. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 69*(3-A), 915.
- Laratelli, C. B. (1974). Aspects of Piaget's theory that have implications for teacher education. Selected Readings. In S. Coopersmith & R. Feldman (Eds.), *The formative years, principles of early childhood education*. San Francisco: Albion.

- Laridon, P. E. J. M. (1981). *Curriculum development in secondary school mathematics, the creative teaching of calculus* (Ongepubliseerde meestersverhandeling). Randse Afrikaanse Universiteit, Johannesburg, South Africa.
- Laskey, M. L., & Hetzel, C. J. (2010). *Self-regulated learning, metacognition, and soft skills: The 21st century learner*. Retrieved from <http://20.132.48.254/ERICWebPortal/search/reorcDetails.jsp>
- Lee, J. (2009). Universals and specifics of math self-concept, math self-efficacy, and math anxiety across 41 PISA 2003 participating countries. *Learning and Individual Differences, 19*(3), 355-365.
- Leppävirta, J. (2011). The impact of maths anxiety on the performance of students of electromagnetics. *Journal of Engineering Education, 100*(3), 424-443.
- Le Roux, R. (2006). *Verbeter jou sportprestasie deur emosionele intelligensie*. Kaapstad, South Africa: Tafelberg.
- Le Roux, R., & De Klerk, R. (2001). *Emosionele intelligensie: Die alles-in-een-werkboek vir optimale persoonlike groei*. Kaapstad, South Africa: Human & Rousseau.
- Le Roux, R., & De Klerk, R. (2003). *Emotional intelligence workbook*. Cape Town, South Africa: Human & Rousseau.
- Lerman, S. (2000). Some problems of socio-cultural research in mathematics teaching and learning. *NOMAD, 8*(3), 55-72.
- Lester, F. K. (1985). Methodological considerations in research on mathematical problem-solving instruction. In E. Silver (Ed.), *Teaching and learning mathematical problem-solving: Multiple research perspectives*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Lester, F. K., Garofalo, J., & Kroll, D. L. (1989). Self-confidence, interest, beliefs, and metacognition: key influences on problem-solving behavior. In D.B. McLeod (Ed.), *Affect and mathematical problem solving: A new perspective* (pp. 75-88). New York, NY: Springer-Verlag.
- Levels, M., Dronkers, J., & Kraaykamp, G. (2008). Immigrant children's educational achievement in Western countries: Origin, destination, and community effects on mathematical performance. *American Sociological Review, 73*(5), 835-853.

- Liau, A. K., Liau, W. L., Teoh, B. S., & Liau, T. L. (2003). The case for emotional literacy: the influence of emotional intelligence on problem behaviours in Malaysian secondary school students. *Journal of Moral Education, 32*(1), 51-66.
- Liljedahl, P. (2005). Sustained engagement: preservice teachers' experience with a chain of discovery. *Conference of European Research in Mathematics Education, 4*, 225-234.
- Lim, J. H. (2004). Girls' experiences in learning school mathematics. *Focus on Learning Problems in Mathematics, 26*, 43-48.
- Liu, O. L. (2009). An investigation of factors affecting gender differences in standardized math performance: Results from U.S. and Hong Kong 15 year olds. *International Journal of Testing, 9*(3), 215-237.
- Liu, O. L., & Wilson, M. (2009). Gender differences and similarities in PISA 2003 mathematics: A comparison between the United States and Hong Kong. *International Journal of Testing, 9*(1), 20-40.
- Liu, O. L., Wilson, M., & Paek, I. (2008). A multidimensional Rasch of gender differences in PISA mathematics. *Journal of Applied Measurement, 9*(1), 18-35.
- Lloyd, J. E. V., Walsh, J., & Yailagh, M. S. (2005). Sex differences in performance attributions, self-efficacy, and achievement in mathematics: If I'm so smart, why don't I know it? *Canadian Journal of Education, 28*(3), 384-408.
- Lord, R., & Kanfer, R. (2002). Emotions and organizational behaviour. In R. Lord, R. Klimoski & R. Kanfer (Eds.), *Emotions in the workplace: Understanding the structure and role of emotions in organizational behavior* (pp. 5-19). San Francisco, CA: Jossey-Bass.
- Lötter, L. (1990). *Die ontwikkeling van kriteria vir werkkaarte in die onderrig van biologie*. Ongepubliseerde Meestersverhandeling, Universiteit van Pretoria, Pretoria, South Africa.
- Louw, C. J. (2003). *Die impak van tutoriale op die wiskundeprestasie van studente in eerstejaarswiskunde* (Ongepubliseerde Meestersdissertasie). Universiteit van Pretoria, Pretoria, Suid-Afrika
- Louw, W. J. et al. (1983). *Verbandlegging in die didaktiese pedagogiek*. Pretoria, South Africa: Academica.

- Louw, D. A., Van Ede, D. M., Louw, A. E., Botha, A., Ferns, I., Gerdes, L. C., Meyer, W. F., Raubenheimer, J. R., Schoeman, W. J., Thom, D. P., & Wait, J. W. van S. (1998). *Menslike ontwikkeling* (3de uitgawe). Kaapstad, South Africa: Kagiso Tersiër.
- Louw, D. A., & Edwards, D. J. A. (2003). *Sielkunde. 'n Inleiding vir student in Suider-Afrika* (2de uitgawe). Johannesburg, South Africa: Heinemann.
- Louw, D., & Louw, A. (2007). *Die ontwikkeling van die kind en adolessent*. Bloemfontein, Suid-Afrika: Die Universiteit van die Vrystaat.
- Louw, D., & Louw, A. (2009). *Adult development and ageing*. Bloemfontein, South Africa: University of the Free State.
- Louw, D., & Louw, D. A., & Ferns, I. (2007). Adolescence. In D. Louw & A. Louw (Eds.), *Child and adolescent development* (pp. 278-347). University of the Free State. Bloemfontain, South Africa: Psychology Publications.
- Louw, I. (2009). Projekte om wiskundeprestasie aan 'n tegniese universiteit te verbeter. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie*, 28(4), 366-377.
- Lubienski, S. T., Lubienski, C., & Crane, C. C. (2008). Achievement differences and school type: The role of school climate, teacher certification, and instruction. *American Journal of Education*, 115(1), 97-138.
- Lynn, A. B. (2002). *The emotional intelligence activity book. 50 Activities for promoting EQ at work*. New York, NY: Amacon.
- Lyusin, D. B. (2006). Emotional intelligence as a mixed construct. *Journal of Russian and East European Psychology*, 44(6), 54-68.
- Ma, X. (2003). Effects of early acceleration of students in mathematics anxiety. *Teachers College Record*, 105(3), 438-464.
- Ma, X., & Kishor, N. (1997). Assessing the relationship between attitude toward mathematics adn achievement: a meta-analysis. *Journal for Research in Mathematics Education*, 28: 26-47.
- Maasz, J., & Schlof'glmann, W. (2009). *Beliefs and attitudes in mathematics education: new research results*. Rotterdam, Netherlands: Sense Publishers.

- MacCann, C., Roberts, R. D., Matthews, G., & Zeidner, M. (2004). Consensus scoring and empirical option weighting of performance-based Emotional Intelligence (EI) tests. *Personality and Individual Differences, 36*(3), 645-662.
- Madge, E. M., & Van der Westhuizen, J. G. (1982). *Die Senior Suid-Afrikaanse Individuele Skaal (SSAIS-R) as kliniese hulpmiddel*. Pretoria, Suid Afrika: Raad vir Geesteswetenskaplike Navorsing.
- Magpuri-Lavell, T. (2010). The efficacy of evidence-based literacy strategies to improve the reading and mathematics achievement of economically disadvantaged urban middle school students. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 70*(8-A), 2937.
- Mahoney, M. T. (2009). An investigation of the mathematics achievement of eighth grade students at-risk of academic failure. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 70*(6-A), 1905.
- Malherbe, J. A. G. (1991). *Persoonlike gesprek gevoer deur Professor Maree met hoof van Departement Ingenieurswese*. Universiteit van Pretoria. Pretoria, Suid-Afrika.
- Maoto, S., & Wallace, J. (2006). What does it mean to teach mathematics for understanding? When to tell and when to listen. *African Journal of Research in SMT Education, 10*(1), 59-70.
- Maree, J. G. (1994). Die hantering van taalverwante onderrig- en leerprobleme in wiskunde. *SA Tydskrif vir Opvoedkunde, 14*(3), 115-120.
- Maree, J. G. (1995). Kommentaar op die nuwe benadering tot die onderrig en leer van Wiskunde in die RSA: Hoe geregverdig is die kritiek? *SA Tydskrif vir Opvoedkunde, 15*(2), 66-71.
- Maree, J. G. (1997). *Die ontwerp en evaluering van 'n studieoriëntasiesvraelys in wiskunde* (Doktorale proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Maree, J. G. (1999). Difference in orientation towards the study of mathematics of South African high school learners: developing a study orientation questionnaire in mathematics. *Psychological Reports, 84*, 467-476.

- Maree, J. G. (2002). Leadership in mathematics. In L. P. Calitz, O. Fuglestad & S. Lillejord (Eds.), *Leadership in education: prospects for a new millennium*. Pretoria, South Africa: Van Schaik.
- Maree, J. G. (2005). *Ontrafel wiskunde*. Pretoria, Suid-Afrika: Lapa.
- Maree, J. G. (2009). Die uitdaging van ontoereikende wiskundeprestasie: Fokus op 'n metabenadering. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie*, 28(4), 265-287.
- Maree, J. G., & Crafford, G. (2005). 'n Ondersoek na fasette van leerders in 'n privaatskool se studieoriëntasie en die verband daarvan met Wiskunde-prestasie. *SA Tydskrif vir Natuurwetenskap en Tegnologie*, 24(3), 84-92.
- Maree, J. G., & Ebersohn, L. (2002). Emotional intelligence and achievement. Redefining giftedness? *Gifted Education International*, 16, 261-273.
- Maree, J. G., & Fernandes, M. P. J. (2003). The impact of emotional intelligence on solution-focused therapy with an adolescent. *Early Child Development and Care*, 173(5), 499-508.
- Maree, J. G., & Fraser, W. J. (Eds.) (2008). *Outcomes-Based assessment – facilitating best practice in classrooms*. Cape Town, South Africa: Heinemann
- Maree, J. G., & Molepo, J. M., (1999). The role of mathematics in developing rural and tribal communities in South Africa. *South Africa Journal of Education*, 19, 374-381.
- Maree, J. G., Molepo, J. M., Owen, J. H., & Ehlers, R. (2005). 'n Probleemgebaseerde benadering tot wiskunde in graad 9 en graad 11 in die Limpopo-provinsie. *SA Tydskrif vir Natuurwetenskap en Tegnologie*, 24(4), 124-133.
- Maree, J. G., Olivier, E. C., & Swanepoel, A. C. (2004). Die 2004 senior Harmony Suid-Afrikaanse Wiskunde-olimpiade: 'n analise van die resultate van die senior groep, tweede ronde. *Suid Afrikaanse Akademie vir Wetenskap & Kuns*, 23(3), 52-60.
- Maree, J. G., & Pietersen, J.J . (2008). A Pedi translation of the Bar-On Emotional Quotient Inventory. *International Journal of Adolescence and Youth*, 14(2), 161-185.

- Maree, J. G., Pretorius, A., & Eiselen, R. (2003). Predicting success among first year engineering students at the Rand Afrikaans University. *Psychological Reports*, 93, 399-409.
- Maree, J. G., Prinsloo, W. B., & Claassen, N. C. (1997). *Handleiding vir die studie-oriënteringsvraelys in Wiskunde (SOW)*. Pretoria, Suid-Afrika: Raad vir Geesteswetenskaplike Navorsing.
- Maree, J.G, van der Walt, M.S., & Ellis, S.M. (2009). Developing a study orientation questionnaire in mathematics for primary school students. *Psychological Reports*, 102, 425-438
- Maree, J. G., & Van der Westhuizen, C. (2007). Planning a research proposal. In J.G. Maree (Ed.), *First steps in research* (pp. 23-45). Pretoria, South Africa: Van Schaik.
- Maree, K. (1992). *Become an ace at maths*. Pretoria, South Africa: J.L. van Schaik.
- Maree, K. (2004). *My kind slimmer sonder sukkel*. Pretoria, Suid-Afrika: Lapa.
- Maree, K. (2007a). *Shaping the story*. Pretoria, South Africa : Van Schaik.
- Maree, K. (Ed.). (2007b). *First steps in research*. Pretoria, South Africa: Van Schaik.
- Maree, K. (2008a). *Wees die beste jy! Laat jou lig skyn en ontdek die groter sin in jou lewe*. Pretoria, South Africa : Lapa.
- Maree, K. (2008b). *Smarter... the easy way*. Pretoria, South Africa : Lapa.
- Maree, K., Aldous, C., Hattingh, A., Swanepoel, A., & Van der Linde, M. (2006). Predictors of learner performance in mathematics and science according to a large-scale study in Mpumalanga. *South African Journal of Education*, 26(2), 229-252.
- Marshall, C., & Rossman, G. B. (1999). *Designing qualitative research* (3rd ed.). California, CA: Sage.
- Maree, J. G., Fletcher, L., & Sommerville, J. (2011). Predicting success among prospective first-year students at the University of Pretoria. *SA Journal of Higher Education*, 25(6), 1125-1139.

- Martin, B. (2007). Social and emotional learning in schools: a glimpse into the future? *Primary & Middle Years Educator*, 5(1), 22-27.
- Martin, D. B. (2009). *Mathematics teaching, learning, and liberation in the lives of black children*. New York, NY: Routledge.
- Martinez, M. (1997). *Development and validation of an intentional learning orientation questionnaire*. Retrieved from <http://mse.byu.edu/projects/elc/meaporjpr.html>
- Martinez, J. G. R., & Martinez, N. C. (2001). *Reading and writing to learn mathematics: A guide and resource book*. Boston, MA: Allyn & Bacon.
- Matlin, M. W. (2005). *Cognition* (6th ed.). Hoboken, NJ: John Wiley.
- Mattarella-Micke, A., Mateo, J. M., Kozak, M. N., Foster, K. T., & Beilocks, L. (2011). Choke or thrive? The relationship between salivary cortisol and maths performance depends on individual differences in working memory and math anxiety. *Emotion* 11(4), 1000-1005
- Matthews, G., Zeidner, M., & Roberts, R. D. (2002). *Emotional intelligence - science and myth*. Massachusetts: MIT.
- Mavroveli, S., Petrides, K. V., Rieffe, C., & Bakker, F. (2007). Trait emotional intelligence, psychological well-being and peer-rated social competence in adolescence. *British Journal of Developmental Psychology*, 25, 263-275.
- Mayer, J. D. (1990). Emotional intelligence. *APA Monitor*, 4.
- Mayer, J. D., & Cobb, C. D. (2000). Educational policy on emotional intelligence: Does it make sense? *Educational Psychology Review*, 12(2), 163-183.
- Mayer, J. D., Perkins, D. M., Caruso, D. R., & Salovey, P. (2000). Emotional intelligence and giftedness. *Roeper Review*, 23, 131-137.
- Mayer, J. D., & Salovey, P. (1997). What is emotional intelligence? In P. Salovey & D.J. Sluyter (Eds), *Emotional development and emotional intelligence* (pp. 3-31). New York, NY: Basic Books.
- Mayer, J. D., Caruso, D. R., & Salovey, P. (2000). Emotional intelligence meets standards for an intelligence. *Intelligence*, 27, 267-298.

- Mayer, J. D., Di Paolo, M., & Salovey, P. (1990). Perceiving affective content in ambiguous visual stimuli: A component of emotional intelligence. *Journal of Personality Assessment, 54*(3&4), 772-781.
- Mayer, J. D., Salovey, P., & Caruso, D. R. (2001). *The Mayer-Salovey-Caruso-Emotional Intelligence Test (MSCEIT)*. Toronto, Canada: Multi Health Systems.
- Mayer, J. D., Salovey, P., & Caruso, D. R. (2004). Emotional intelligence: Theory, findings, and implications. *Psychological Inquiry, 15*, 197-215.
- Mayer, R. E. (1982). The psychology of mathematical problem solving. In F. K. Lester & J. Garofalo (Eds.), *Mathematical problem solving: Issues in research*. Philadelphia, PA: The Franklin Institute.
- Mayer, R. E. (1994). Study habits and strategies. In Y. Husen & T. N. Postlethwaite (Eds.), *The international encyclopedia of education* (pp. 5829-5831) Great Britain: Pergamon.
- McBride, P., & Maitland, S. (2002). *The EI advantage. Putting emotional intelligence into practice*. London, England: McGraw-Hill.
- McClelland, D. C., & Boyatzis, R. E. (1982). Leadership motive pattern and long term success in management. *Journal of Applied Psychology, 67*(9), 737-743.
- McLeod, D.B. (1988). Affective issues in mathematical problem solving: some theoretical considerations. *Journal for Research in Mathematics Education, 19*, 245-258.
- McLeod, S. A. (2008). *Simply Psychology: Wundt – Father of Psychology*. Retrieved from <http://www.simplypsychology.org/wundt.html>
- Mccullough, W. L. (2008). The impact of positive statements about mathematics on middle school students' achievement. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 68*(7-A), 2866.
- McEntire, N. (2006). *Homework: Amount, effects, help for students and parents*. Retrieved from <http://ceep.uiuc.edu/poptopics/homework.html>
- McGuire, D. K., & McGuire, D. E. (2000). *Linking parents to play therapy. A practical guide with applications, interventions, and case studies*. Philadelphia, PA: Brunner-Routledge.

- McKenny, D., Austin, E. J., Salofske, D. H., & Huang, S. H. (2004). Measurement of trait emotional intelligence: testing and cross-validating of a modified version of Schutte et al.'s (1998) measure. *Personality and Individual Differences*, 36(3), 555-562.
- McLeod, D. (1992). Research on affect in mathematics education: A reconceptualisation. In D. Grouws (Ed.), *Handbook of research on mathematics teaching and learning: A project of the National Council of Teachers of Mathematics* (pp. 575-596). New York, NY: Macmillan.
- McLeod, J., & Lynch, G. (2000). 'This is our life': Strong evaluation in psychotherapy narrative. *European Journal of Psychotherapy, Counselling & Health*, 3(3), 389-406.
- McMillan, J. H., & Schumacher, S. (1997). *Research in education: A conceptual introduction* (4th ed.). New York, NY: Addison Wesley Longman.
- McMillan, J. H., & Schumacher, S. (2001). *Research in education: A conceptual introduction* (5th ed.). New York, NY: Addison Wesley Longman.
- Meadmore, D., & Burnett, B. (2003). Self-esteem? The marketing edge. *Principal Matters*, 56, 35-37.
- Meijer, M. M. (2010). *Die moontlike verband tussen emosionele intelligensie en 'n rasse minderheidsgroep se identiteitsonderhandeling, aanpassing en funksionering in 'n meerderheidskonteks* (Ongepubliseerde doktorske proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Mercer, C. D. (1987). *Students with learning disabilities*. Ohio, OH: Merrill.
- Merlevedere, P. E., Bridoux, D., & Vandamme, R. (2001). *7 Steps to emotional intelligence*. Carmathen, England: Crown House.
- Mevarech, Z. R., & Amrany, C. (2008). Immediate and delayed effects of meta-cognitive instruction on regulation of cognition and mathematics achievement. *Metacognition and Learning*, 3(2), 147-157.
- Meyer, W. F., Moore, C., & Viljoen, H. (1988). *Persoonlikheidsteorieë. Van Freud tot Frankl*. Johannesburg, Suid-Afrika: Lexicon.
- Miller, D. L. (1993). Making the connection with language. *Arithmetic Teacher*, 311-316.

- Mitchell, T. (1999). Changing student's attitudes towards mathematics. *Primary Education*, 5(4), 6.
- Mitchelmore, M. C. (1980). Three-dimensional geometric drawing in three cultures. *Educational Studies in Mathematics*, 11, 205-216.
- Mkhabela, M (2004, September 26). Failure rate for black students horrifying. *City Press*, p. 25
- Moloi, .M. & Chetty, M. (2011). The quality of primay school inputs in South Africa. Southern and Eastern Africa Consortium for Monitoring Educational Quality. Policy Brief, Number 2. Retrieved from http://www.sacmeq.org/downloads/School%20inputs/SOU_School_Inputs_15Oct2011_FINAL.pdf
- Moodaley, R. R., Reveni, R., Grobler, A. A., & Lens, W. (2006). Study orientation and causal attribution in mathematics achievement. *South African Journal of Psychology*, 36(3), 634-655.
- Moore, K. A. (2010). Gender and the differential effects of active and passive perfectionism on mathematics anxiety and wirting anxiety. *Cognition, Brain, Behavior: An Inderdisciplinary Journal*, 14(4), 333-345.
- Morales, E. E. (2008). The resilient mind: The psychology of academic resilience. *Educational Forum*, 72(2), 152-167.
- Moriarty, P., & Buckley, F. (2003). Increasing team emotional intelligence through process. *Journal of European Industrial Training*, 27, 98-110.
- Morrison, G. S. (1988). *Education and development of infants, toddlers and pre-schoolers*. United States: Scott Foresman.
- Moscucci, M., Piccione, M., Rinaldi, M. G., Simoni, S., & Marchini, C. (2005). Mathematical discomfort and school drop-out in Italy. *Conference of European Research in Mathematics Education*, 4, 245-254.
- Moss, F. A., Hunt, T., Omwake, K. T., & Woodward, L. G. (1955). *Manual for the George Washington Series Social Intelligence Test*. Washington, DC: Centre for Psychological Services.

- Mouton, J. (2001). *How to succeed in your Master's and Doctoral studies: A South African guide and resource book*. Pretoria, South Africa: Van Schaik.
- Mulder, J. C. (1981). *Statistiese tegnieke in opvoedkunde*. Pretoria, Suid-Afrika : Haum.
- Muthuirishna, N. & Kwela, C.B. (2010). Gender differences in mathematics achievement: an exploratory study at a primary school in Kwa-Zulu Natal. *Gender and Behaviour*, 8(2), 3290-3313.
- Mwambakana, J. (2008). Is mathematics anxiety a factor? First year university students provide answers. *African Education Review*, 5(1), 20-29.
- Mwamwenda, T. S. (2004). *Educational Psychology: An African perspective*. Sandton, South Africa: Heinemann.
- Myemane, D. M. (2007). *An exploration of mathematical concepts embedded in Xhosa beadwork artifacts through and invention programme for Grade 9 learners*. (Unpublished masters thesis). Department of Education, Rhodes University, Grahamstown, South Africa.
- Myers, B. (1996). *Raising responsible teenagers*. London, England: Jessica Kingsley.
- Neale, D. C. (1969). The role of attitudes in learning mathematics. *Arithmetic Teacher*, 16, 631-640.
- Nelson, K. (1995). Nurturing kids' seven ways of being smart. *Instructor*, 1, 26-34.
- Nel, B. F., Sonnekus, M. C. H., & Garberg, J. G. (1975). *Grondslae van die psigologie* (3de uitgawe). Stellenbosch Universiteit: Stellenbosch, Suid-Afrika.
- Nelson, P. D. (2010). Emotional intelligence and academic achievement in 11th grade at-risk students. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 70(12-A), 4543.
- Nenty, H. J. (2008). Stereotype endorsement and mathematics-related behaviour among female secondary school students in the Kingdom of Lesotho. *Gender and Behaviour*, 6(1), 1494-1517.

- Neseth, H., Savage, T., & Navarro, R. (2009). Examining the impact of acculturation and perceived social support on mathematics achievement among Latino/a high school students. *California School Psychologist, 14*, 59-69.
- Neuenschwander, M. P., Vida, M., Garrette, J. L., & Eccles, J. S. (2007). Parents' expectations and students' achievement in two western nations. *International Journal of Behavioral Development, 31*(6), 594-602.
- Neuman, W. L. (1994). *Social research methods: qualitative and quantitative approaches*. Boston, MA: Allyn & Bacon.
- Neuman, W. L., & Kreuger, L. W. (2003). *Social work research methods: qualitative and quantitative approaches*. Boston, MA: Allyn & Bacon.
- Niblett, W. R. (1954). *Education and the modern mind*. London: Faber.
- Niewenhuis, J. (2007). Introducing qualitative research. In J.G. Maree (Ed.), *First steps in research* (pp. 47-68). Pretoria, South Africa: Van Schaik.
- Nisbet, J., & Schucksmith, J. (1986). *Learning strategies*. London, England: Routledge.
- Nolting, P. D. (1991). *Winning at math: your guide to learning mathematics through successful study skills*. Academic Success Press.
- Norton, G. (2003). Hard wiring soft skills. *HR Future, 40-41*.
- Nosek, B. A., Smyth, F. L., Sriram, N., Lindner, N. M., Devos, T., Ayala, A., Bar-Anan, Y., Greenwald, A. G. (2009). National differences in gender-science stereotypes predict national sex differences in science and math achievement. *PNAS Proceedings of the National Academy of Sciences of the United States of America, 106*(26), 10593-10597.
- Novak, J. D., & Gowin, D. B. (1984). *Learning how to learn*. London, England: Cambridge University.
- Noyes, R. B. (2001). *The art of leading yourself. Tap the power of your emotional intelligence*. Fort Bragg, NC: Cypress House.

- Nyaumwe, L. J. (2006). Learning mathematics concepts in a traditional socio-economic environment in Zimbabwe. *Indilinga African Journal of Indigenous Knowledge Systems*, 5(1), 50-61.
- Nyberg, V. R., & Clarke, S. C. (1979). *Technical report on the school subjects attitude scales*. ERIC Document-reproduction service No 179-575.
- Odendal, F. F., & Schoonees, P. C. (1979). *Verklarende handwoordeboek van die Afrikaanse taal*. Johannesburg, Suid-Afrika: Perskor.
- Ogundokun, M. O., & Adeyemo, D. A. (2010). Emotional intelligence and academic achievement: The moderating influence of age, intrinsic and extrinsic motivation. *The African Symposium: An online journal of the African Educational Research network*, 10(2), 127-141.
- O'Neil, J. (1996). On emotional intelligence: A conversation with Daniël Goleman. *Educational Leadership*, 148(887), 47-50.
- Olivier, A. (1989). Handling pupil's misconcepts in mathmatics. *Pythagoras*, 21, 10-19.
- Olivier, C. (1985). *Die verwantskap tussen onderrigstrategie en lesontwerp* (Ongepubliseerde doktorsale proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Olson, C. K., Kutner, L. A., & Warner, D. E. (2008). The role of violent video game content in adolescent development: Boys' perspectives. *Journal of Adolescent Research*, 23, 55.
- Omrod, J. E. (2003). *Educational psychology: Developing learners* (4th ed.). Upper Saddle River, NJ: Merrill.
- Op 't Eynde, P., De Corte, E., & Mercken, I. (2007). Students' self regulation of emotions in mathematics learning. *CERME 5 Working group 2* 318-328.
- Departement van Onderwys. (2002). *Hersiene Nasionale Kurrikulum-verklaring Graad R-9 (Skole) Wiskunde*. Pretoria: Government Printers.
- O'Neil, J. (1996). On emotional intelligence. A conversation with Daniel Goleman. *Educational Leadership*.

- Oosthuysen, B. G. (2009). *The influence of the relationship between emotional intelligence and leadership on the job satisfaction of educators in Free State schools* (Unpublished doctoral dissertation). University of the Free State, Bloemfontein, South Africa.
- Oosthuizen, C. (2009). *Die verband tussen vaders se ouerskapstyle en die emosionele intelligensie van graad 2-dogters* (Ongepubliseerde meerstersverhandeling). Universiteit van Suid-Afrika, Pretoria, South Africa.
- Ozturk, M. A. (2007). Personal and social factors that influence advanced mathematics course-taking during high school. *Dissertations Abstracts International Section A: Humanities and Social Sciences*, 67(11-A), 4097.
- Owen, K., & Taljaard, J. J. (1998). *Handleiding vir die gebruik van sielkundige en skolastiese toets van die IPEN en die NIPN*. Raad vir Geesteswetenskaplike Navorsing. Pretoria, Suid-Afrika.
- Owen, S. H., & Daskin, M. S. (1998). Strategic facility location: A review. *European Journal of Operational Research*, 111, 423-447.
- Paek, P. L. (2010). Factors contributing to gender differences in mathematics performance of United State high school students. In H. J. Forgasz, J. R. Becker, K. Lee, & O. B. Steinhorsdottir (Eds.), *International perspectives on gender and mathematics education* (pp. 203-224). Greenwich, England: Information Age Publishing.
- Panaoura, A., & Philippou, G. (2005). The measurement of young pupils' metacognitive ability in mathematics: The case of self-representation and self-evaluation. *Conference of European Research in Mathematics Education*, 4, 255-264.
- Papalia, D. E., Olds, S. W., Feldman, R. D. (2009). *Human Development (11th ed.)*. Boston, MA: McGraw-Hill.
- Papaleaontlou-Louca, E. (2003). The concept and instruction of metacognition. *Teacher Development*, 7(1), 9-29.
- Paras, B. (2001). Crisis in mathematics education. Student failure: challenges and possibilities. *SA Journal of Higher Education*, 15(3), 66-73.

- Paris, S. G., & Winograd, P. (1990). How metacognition can promote academic learning and instruction. In B. F. Jones & L. Idol (Eds), *Dimensions of thinking and cognitive instruction* (pp. 15-51). Hillsdale, N.J.: Erlbaum.
- Park, J. (Ed). (2003). *The emotional literacy handbook. Promoting whole-school strategies*. London, England: David Fulton.
- Parker, D. (2006). Grade 10-12 mathematics curriculum reform in South Africa: a textual analysis of new national curriculum statements. *African Journal of Research in SMT Education*, 10(2), 59-73.
- Parker, J. D. A., Saklofske, D. H., Wood, L. M., & Collin, T. (2009). The role of emotional intelligence in education. In C. Stough, D.H. Sakofske, & D. A. Parker (Eds.). *Assessing emotional intelligence: Theory, research, and applications. The Springer series on human exceptionality* (pp. 239-255). New York, NY: Springer Science & Business Media.
- Parnell, C. L. (2007). *Emotional intelligence, school success, and the Black-White achievement gap* (Unpublished dissertation). University of Southern Mississippi, Mississippi.
- Pasi, J. P. (2001). *Higher expectations. Promoting social emotional learning and academic achievement in your school*. New York, NY: Teachers College Press.
- Patrikakou, E. N., & Weissberg, R. P. (2007). School-family partnerships and children's social , emotional, and academic learning. In R. Bar-On, J. G. Maree, & M. J. Elias (Eds.). *Educating people to be emotionally intelligent* (pp. 49-61). Rondebosch, South Africa: Heinemann Educational Publishers.
- Patton, M. Q. (2002). *Qualitative research & evaluation methods*. California, LA: Sage Publications.
- Peirce, W. (2003). Metacognition: Study strategies, monitoring, and motivation. A greatly expanded text version of a workshop presented November 17, 2004 at Prince Georges's Community College. Retrieved <http://academic.pg.cc.md.us/~wpeirce/MCCCTR/metacognition.htm>
- Pellebon, D. A. (2000). Influences of ethnicity, interracial climate, and racial majority in school on adolescent ethnic identity. *Social Work in Education*, 22(1), 9-20.

- Pellitteri, J. (2002). The relationship between emotional intelligence and ego defense mechanisms. *The Journal of Psychology*, 136(2), 182-194.
- Pellitteri, J. (1999). *The relationship between emotional intelligence, cognitive reasoning, and defense mechanisms* (Doctoral thesis). New York University, Michigan, NY.
- Penner, A. M. (2008). Gender differences in extreme mathematical achievement: An international perspective on biological and social factors. *American Journal of Sociology*, 114(1), S138-S170.
- Perry, A. B. (2004). Decreasing math anxiety in college students. *College Student Journal*, 38(2), 321-325.
- Pertrides, K. V. (2009). *Technical manual for the Trait Emotional Intelligence Questionnaires (TEIQue)*. London, England: London Psychometric Laboratory.
- Pertrides, K. V. (2011). An application of belief-importance theory with reference to trait emotional intelligence, mood, and somatic complaints. *Scandinavian Journal of Psychology*, 52, 161-167.
- Pertrides, K. V., & Furnham, A. (2001). Trait emotional intelligence: Psychometric investigation with reference to established trait taxonomies. *European Journal of Personality*, 15, 425-448.
- Pertrides, K. V., Frederickson, N., & Furnham, A. (2004). The role of trait emotional intelligence in academic performance and deviant behavior at school. *Personality and Individual Differences*, 36(2), 277-293.
- Pfeiffer, S. (2001). Emotional Intelligence: popular but elusive construct. *Roeper Review*, 23(3), 138-42.
- Phares, E. J. (1988). *Clinical psychology: concepts, methods & profession*. Illinois, Chicago, IL: The Dorsey Press.
- Phurutse, M. C. (2005). *Factors affecting teaching and learning in South African public schools*. Cape Town, South Africa: HSRC Press.
- Piaget, J. (1952). *The child's conception of number*. New York, NY: Norton.

- Piaget, J. (1973). Comments on mathematical education. In: *Developments in mathematical education*. London: Cambridge University.
- Piaget, J. (1976). Piaget's theory. In B. Inhelder & H. Chapman (Eds.), *Piaget and his school*. New York, NY: Springer-Verlag.
- Picard, R. W. (1997). *Affective computing*. Boston, MA: MIT.
- Pienaar, A. (2009). Matrieks se ware slaagsyfer was 36%. *Beeld 19 Januarie*, p. 6.
- Pierce, R., Stacey, K., & Barkatsas, A. (2007). A Scale for monitoring students' attitudes to learning mathematics with technology. *Computers & Education*, 48(2), 285-300.
- Picho, K., & Stephens, J. M. (2012). Culture, context and stereotype threat: A comparative analysis of young Ugandan women in coed and single-sex schools. *Journal of Educational Research*, 105(1), 52-63.
- Pintrich, P. R. (2002). The role of metacognitive knowledge in learning, teaching and assessing. *Theory into Practice*, 41(4), 219-225.
- Plug, C., Louw, D. A., Gouws, L. A., & Meyer, W. F. (1997). *Verklarende sielkundige woordeboek [Explanatory Psychological Dictionary]*. Johannesburg, Suid-Afrika: Heinemann.
- Polo, M., & Zan, R. (2005). Teachers' use of the construct 'attitude' preliminary research findings. *Conference of European Research in Mathematics Education*, 4, 264-274.
- Pool, C. R. (1997). Up with emotional health. *Educational Leadership*, 54(8), 12-14.
- Poyla, G. (1946). *How to solve it*. Princeton, NJ: Princeton University.
- Prada, M. J. (2009). Schools as resilient organizations: Supporting the mathematical resilience of Latino eighth graders. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 69(10-A), 3822.
- Preckel, F., Goetz, T., Pekrun, R., & Kleine, M. (2008). Gender differences in gifted and average-ability students: Comparing girls' and boys' achievement, self-concept, interest, and motivation in mathematics. *Gifted Child Quarterly*, 52(2), 146-159.
- Preis, C., & Biggs, B. T. (2001). Can instructors help learners overcome math anxiety? *ATEA Journal*, 28(4), 6-10.

- Pretorius, G. J. P. (1989). *Die verband tussen affektiewe stabiliteit en effektiewe wiskunde-onderrig en leer in die sekondêre skool* (Ongepubliseerde doktorsale proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Prevatt, F., Welles, T. L., Li, H., & Proctor, B. (2010). The contribution of memory and anxiety to the performance of college students with learning disabilities. *Learning Disabilities Reserach and Practice, 25*(1), 39-47.
- Prieto, G., & Delgado, A. R. (2007). Measuring anxiety (in Spanish) with the Rasch rating scale model. *Journal of Applied Measurement, 8*(2), 149-160.
- Primi, R., Ferrão, M. E., & Almeida, L. S. (2010). Fluid intelligence as a predictor of learning: A longitudinal multilevel approach applied to math. *Learning and Individual Differences, 20*(5), 446- 451.
- Punamäki, R. L., Wallenius, M., Nygard, C. H., Saarni, L., & Rimpelä, A. (2007) Use of information and communication technology (ICT) and perceived health in adolescence: The role of sleeping habits and waking-time tiredness. *Journal of Adolescence, 30*(4), 569
- Qualter, P., Whiteley, H. E., Hutchinson, J. M., & Pope, D. J. (2007). Supporting the development of emotional intelligence competencies to ease the transition from primary to high school. *Educational Psychology in Practice, 23*(1), 79-95.
- Quinn, B., & Jadav, A. D. (1987). Casual relationship between attitude and achievement for elementary mathematics and reading. *Journal of Educational Research, 80*(6), 366-372.
- Rademeyer, A. (2009, Januarie, 10). Toelatingsvereistes kan nie verander oor 'makliker' matriek. *Beeld*, p. 6.
- Rademeyer, A. (2009). Suid-Afrika se Wiskunde-krisis: Innoverende oplossing nou nodig. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie, 28*(4), 393-397.
- Ramos, N. S., Fernandez-Berrocal, P., & Extremera, N. (2007). Perceived emotional intelligence facilitates cognitive-emotional processes of adaptation to an acute stressor. *Cognition and Emotion, 21*(4), 758-772.

- Ray, K., & Smith, M. C. (2010). The Kindergarten Child: What teachers and administrators need to know to promote academic success in all children. *Early Childhood Education Journal*, 38(1), 5-18.
- Reddy, V. (2005). State of mathematics and science education: schools are not equal: conversations. *Perspectives in Education: Speaking the Curriculum : Learner Voices and Silences – Challenges for Mathematics and Science Education in the Twenty First Century*, 2(3), 125-138.
- Reddy, V. (2006). Mathematics and science achievement at South African schools – TIMSS 2003. *Education, Science and Skills Development Research Programme of the Human Sciences Research Council*, 127-129
- Reiff, H. B., Hatzes, N. M., Bramel, M. H., & Gibbon, T. (2001). The relation of LD and gender with emotional intelligence in college students. *The Journal of Learning Disabilities*, 34(1), 66-78.
- Resnick, L. B., & Ford, W. W. (1981). *The psychology of mathematics instruction*. New Jersey, NJ: Lawrence Erlbaum Associates.
- Reynolds, M. (2006). *Die verband tussen studie-oriëntasie, metakognisie en wiskundeprestasie by graad 7-leerders* (Ongepubliseerde Meestersverhandeling). Noordwes Universiteit, Potchefstroom, South Africa.
- Ricciuti, H. N. (2010). Single parenthood, achievement, and problem behavior in White, Black, and Hispanic students. *The Journal of Educational Research*, 97(4), 196-207.
- Rice, F., & Dolgin, K. G. (2011). *Adolescence: Development, relationships, and culture* (13th ed.). New York, NY: Pearson Education.
- Richardson, T. L. (2002). The importance of emotional intelligence during transition into middle school. *Middle School Journal*, 33(3), 5-58.
- Richburg, M., & Fletcher, T. (2002). Emotional intelligence: Directing a child's emotional intelligence. *Child Study Journal*, 32(1), 31-38.
- Riegle-Crumb, C. & Grodsky, E. (2010). Racial-ethnic differences at the intersection of math course-taking and achievement. *Sociology of Education*, 83(3), 248-270.

- Rinn, A. N., McQueen, K. S., Clark, G. L., & Rumsey, J. L. (2008). Gender differences in gifted adolescents' math/verbal self-concepts and math/verbal achievement: Implications for the STEM fields. *Journal for the Education of the Gifted*, 32(1), 34-53.
- Roberts, T. B. (1976). *Four psychologies applied to education*. New York, NY: John Wiley
- Rogers, C. R. (1961). *On becoming a person* (2nd ed.). Boston, MA: Houghton Mifflin.
- Roos, V., Potgieter, J., & Wissing, M. (2005). Die lekkerste lekker wat nooit weer wil oor hê nie! 'n Ondersoek na nuweling se persepsies van inlywing by 'n akademiese konteks. *Tydskrif vir Geesteswetenskappe*, 45(4), 478-490.
- Rose, D. (2004). The potential of role-model education. *The Encyclopedia of Informal Education*. Retrieved from www.infed.org/biblio/role_model_education.htm
- Rossmann, R., & Cohen, J. (1989). The language of math needs to be taught. *Academic Therapy*, 25, 133-143.
- Royer, J. M. (Ed.). (2003). *Mathematical cognition*. Connecticut, : Information Age.
- Royer, J. M., & Waller, R. (2007). Influences of gender, ethnicity, and motivation on mathematical performance. In D. B. Berch & M. M. M. Mazzocco (Eds.), *Why is maths so hard for some children? The nature and origins of mathematical learning difficulties and disabilities* (pp. 349-367). Baltimore, MD: Paul H Brooks.
- Rubin, H. J., & Rubin, I. S. (2005). *Qualitative interviewing: the art of hearing data*. Thousand Oaks: Sage.
- Rubinsteyn, O., & Tannock, R. (2010). Mathematics anxiety in children with developmental dyscalculia. *Behavioral and Brain Functions*, 6.
- SA, capital of white-collar crime. (2007, October 16). Mail and Guardian. Retrieved from <http://mg.co.za/article/2007-10-16-sa-capital-of-white-collar-crime>
- Sadock, B. J., & Sadock, V. A. (2003). *Synopsis of Psychiatry* (9th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.
- Säljö, R. (1984). Learning from reading. In F. Marton (Ed.), *The experience of learning* (pp. 89-105). Edinburgh, England: Scottish Academic Press.

- Salovey, P. (2004). Emotions and emotional intelligence for educators. In I. Eloff & L. Ebersöhn (Eds.), *Keys to educational psychology* (pp. 21-44). Cape Town: UCT.
- Salovey, P., & Mayer, J. (1990). Emotional intelligence. *Imagination, Cognition and Personality*, 9(3), 185-211.
- Salovey, P., Rothman, A. J., Detweiler, J. B., & Steward, W. T. (2000). Emotional states and physical health. *American Psychologist*, 55, 110-121.
- Salovey, P., Mayer, J. D., Goldman, S., Turvey, C., & Palfai, T. (1995). Emotional attention, clarity, and repair: Exploring emotional intelligence using the Trait Meta-Mood Scale. In J. W. Pennebaker (Ed.), *Emotion, disclosure and health* (pp. 125-154). Washington: American Psychology Association.
- SAPA. (2000, September 19). PLAN om SA leerlinge se wiskunde reg te ruk. *Beeld*, p. 10.
- SAPA. (2009, Januarie 5). Wiskunde-punte nie goed. *Beeld*, p. 4.
- Sarwar, M., Bashir, M., Khan, M. N., & Khan, M. S. (2009). Study-orientation of high and low academic achievers at secondary level in Pakistan. *Educational Research and Review*, 4(4), 204-207.
- Schaap, P. (2000). *Die Ontwikkeling van 'n psigometriese instrument om die leerbenadering van volwassenes te bepaal* (Ongepubliseerde doktorske proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Schaper, E. A. (2009). The impact of middle school students' perceptions of the classroom learning environment on achievement in mathematics. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 69(9-A), 3441.
- Schloglmann, W. (2005). Meta-affect and strategies in mathematics learning. *CERME*, 4, 275-284.
- Schoenfeld, A. H. (1983). Beyond the purely cognitive belief system, social cognitions and metacognition as driving forces in intellectual performance. *Cognitive Science*, 7, 329-363.
- Schoenfeld, A. H. (1992). Learning to think mathematically: problem-solving, metacognition, and sensemaking in mathematics. In D. Grouws (Ed.), *Handbook on research on mathematics teaching and learning*, (pp. 334-370). New York, NY: Macmillan.

- Schoenfeld, A. H. (1994). Reflections on doing and teaching mathematics. In A. H. Schoenfeld (Ed.), *Mathematical thinking and problem solving*, (pp. 53-69). NJ: Erlbaum.
- Schraw, G. (1998). Promoting general metacognitive awareness. *Instructional Science*, 26(1-2), 113-125.
- Schraw, G., & Moshman, D. (1995). Metacognitive theories. *Educational Psychological Review*, 7(4), 351-371.
- Schunk, D. H. (2000). *Learning theories. An educational perspective* (3rd ed.). New Jersey: Englewood Cliffs.
- Schunk, D. (1991). Self-efficacy and academic motivation. *Educational Psychologist*, 26, 207-231.
- Schutte, N. S., Malouff, J. M., Hall, L. E., Haggerty, D. J., Cooper, J. T., Golden, C. J., & Dornheim, L. L. (1998). Development and validation of a measure of emotional intelligence. *Personality and Individual Differences*, 25, 167-177.
- Schutte, N. S., & Malouff, J. M. (2002). Incorporating emotional skills content in a college transition course enhances student retention. *Journal of the First-year Experiences*, 14(7)-21.
- Schutte, N. S., Malouff, J. M., Bobik, C., Coston, T. D., Greeson, C., & Jedicka, C. (2001). Emotional intelligence and interpersonal relations. *The Journal of Social Psychology*, 141(1), 523-536.
- Schutte, N. S., Malouff, J. M., Simunek, M., McKinley, J., & Hollander, S. (2002). Characteristic emotional intelligence and emotional well-being. *Cognition & Emotion*, 16(6), 93-98.
- Schminke, C. W., Maertens, N., & Arnold, W. (1978). *Teaching the child mathematics*. New York, NY: Holt Rinehart & Winston.
- Secada, W. G. (1992). Race, ethnicity, social class, language, and achievement in mathematics. In D. A. Gouws, (Ed.), *Handbook of research on mathematics teaching and learning*. New York, NY: Macmillan.

- Seegmiller, R. (2010). Rational number fluency: A prerequisite for success in high school mathematics courses?. *Dissertations Abstracts International Section A: Humanities and Social Sciences*, 70(9-A), 3331.
- Seligman, M. E. P. (2002). *Authentic happiness using the new positive psychology to realize your potential for lasting fulfillment*. New York, NY: Free Press.
- Seligman, M. E. P., & Csikszentmihalyi, M. (2000). Positive psychology: An Introduction. *American Psychologist*, 55(1), 5-14.
- Seligman, M. E. P. (2007). *Authentic happiness*. London, England: Nicholas Brealey.
- Selman, R. I. (1980). *The growth of interpersonal understanding*. San Diego, CA: Academic.
- Sensing, T. (2011). *Qualitative research: A multi-method approach to projects for doctor of ministry theses*. Eugene, Indiana: Wipf and Stock.
- Sentson, C. (1994). The effect of language of presentation on pupils' performance in a mathematics test. *South African Journal of Education*, 14(3), 109-115.
- Setati, M., & Adler, J. (2001). Between languages and discourses: language practices in primary multilingual classrooms in South Africa. *Education Studies in Mathematics*, 43(3), 243-269.
- Setati, M., & Barwell, R. (2006). Discursive practices in two multilingual mathematics classrooms: an international comparison. *African Journal of Research in SMT Education*, 10(2), 27-38.
- Sevdalis, N., Petrides, K. V., & Harvey, N. (2007). Trait emotional intelligence and decision-related emotions. *Personality and Individual Differences*, 42, 1347-1358.
- Shaff, K. A., Wolfinger, N. H., Kowaleski-Jones, L., & Smith, K. R. (2008). Family structure transitions and child achievement. *Sociological Spectrum*, 28(6), 681-704.
- Shapka, J. D. (2009). Trajectories of math achievement and perceived math competence over high school and postsecondary education: Effects of an all-girl curriculum in high school. *Educational Research and Evaluation*, 15(6), 527-541.
- Shapka, J. D., Domene, J. F., & Keating, D. P. (2008). Gender, mathematics achievement, and the educational and occupational aspirations of Canadian youth. In H. M. G. Watt

& J. S. Eccles (Eds.), *Gender and occupational outcomes: Longitudinal assessments of individual, social, and cultural influences* (pp.27-54). Washington, DC: American Psychological Association.

Sharma, M. C. (1979). Focus on learning problems. *Mathematics*, 1(3), 5-22.

Sharma, M. C. (1981). Using word problems to aid language and reading comprehension. *Topics in Learning & Learning Disabilities*, 1(3), 61-71.

Shaw, F. (2010). *School climate and public high school student achievement* (Dissertation). University of Maryland, College Park Maryland.

Shi, J., & Wang, L. (2007). Validation of emotional intelligence scale in Chinese university students. *Personality and Individual Differences*, 43, 377-387.

Short, E. J., & Weissberg-Benchell, J. A. (1989). The triple alliance for learning, Cognition, metacognition, and motivation. In C. B. McCormick, G. E. Miller & M. Presley (Eds.), *Cognitive strategy research from basic research to educational applications*. New York, NY: Springer-Verlag.

Shulman, L. S. (1974). Psychological controversies in the teaching of science and mathematics. In S. Coopersmith & R. Feldman (Eds.), *The formative years, Principles of early childhood education*. San Francisco, CA: Albion.

Sigelman, C. K., & Rider, E. A. (2009). *Life-span human development* (6th ed.). Belmont: Wadworth.

Silverman, D. (2004). *Interpreting qualitative data* (2nd edition). London, England: Sage.

Simpkins, C. (2003). Calm, conquer & convert your anger. *Career Success*, 16(3), 4-5.

Skaalvik, S., & Skaalvik, E.M. (2004). Gender differences in math and verbal self-concept, performance expectations, and motivation. *Sex Roles*, 50(3-4), 241-252.

Skaalvik, S., & Skaalvik, E. M. (2004). Frames of reference for self-evaluation of ability in mathematics. *Psychological Reports*, 96, 619-632.

Skinner, B. F. (1974). *About behaviorism*. New York, NY: Knopf.

- Slabbert, J. A. (1984). *Studiemateriaal vir die vakdidaktiese biologie en algemene wetenskap: afdeling biologie* (Ongepubliseerde studiemateriaal). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Slabbert, J. A. (1988). *Die ontwikkeling van 'n metaleermodeel* (Ongepubliseerde doktorsale proefskrif). Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Slabbert, J. A. (1991). The training of metateaching teachers. *Paper presented at the 11th Annual International Seminar on Teacher Education*. Florida, FL.
- Slavin, R. E., Lake, C., & Groff, C. (2009). Effective programs in middle and high school mathematics: A best-evidence synthesis. *Review of Educational Research, 79*(2), 839-911.
- Smith, D. C. (2001). Positive prevention strategies for school violence. *Educational Perspectives, 34*(2), 10-14.
- Smith, J. E. (2002). Race, emotions and socialization. *Race, Gender and Class, 9*(4), 94-110.
- Smith, M. K. (2002, 2008). *Howard Gardner and multiple intelligences*. *The encyclopedia of informal intelligence*. Retrieved from www.infed.org/thinkers/gardner.htm.
- Song, L. J., Huang, G., Peng., K. Z., Law, K. S., Wong, C., & Chen, Z. (2010). The differential effects of general mental ability and emotional intelligence on academic performance and social interactions. *Intelligence, 38*(1), 137-143.
- Sonnekus, M. C., & Ferreira, G. V. (1986). *Die psigiese lewe van die kind-in-opvoeding*. Stellenbosch, Suid-Afrika: Universiteitsuitgewers.
- Spangenberg, E. D. (2008). *Riglyne vir die plasing van leerders in wiskunde of wiskundige geletterdheid* (Ongepubliseerde doktorsale proefskrif). Universiteit van Johannesburg, Johannesburg, Suid-Afrika.
- Spano, S. (2004). *Stages of adolescent development*. Retrieved from www.actforyouth.net/health_sexuality/adolescence
- Spring, H. T. (1985). Teacher decision making – A metacognitive approach. *Reading Teacher, 39*(3), 290-295.

- Srivastava, A. K., Sibia, A., & Misra, G. (2008). Research on emotional intelligence: The Indian experience. In R. J. Emmerling, V. K. Shawal, & M. K. Mand (Ed.), *Emotional Intelligence: Theoretical and Cultural Perspectives* (pp.135-152). New York, NY: Nova Publishers.
- Stam, J. (1998). Personal construct theory and social construction. *Journal of Constructivist Psychology, 11*, 187-203.
- Stein, S. J., Book, H. E., & Howard, E. (2006). *The EQ edge: Emotional intelligence and your success*. Mississauga,: John Wiley & Sons.
- Strachan, A., & Jones, D. (1982). Changes in identification during adolescence: A personal construct theory approach. *Journal of Personality Assessment, 46*(5), 529-535.
- Strauss, J. (1983). Wiskunde- die meganiiese gebruik van formules en tegnieke in die ontwikkeling van kreatiewe denke? *Spectrum, 21*(4), 46-47.
- Strydom, H. (2005). Sampling and sampling methods. In A. S. De Vos (Ed.) C. B Fouché, H. Strydom, & C. S. Delport: *Research at grass roots for the social sciences & human service professions (3rd ed.)* (pp. 327-332). Pretoria, South Africa: Van Schaik.
- Strydom, I. (1999). *Emosionele intelligensie in sielkundige perpspektief* (Ongepubliseerde meesters- verhandeling). UNISA, Pretoria, Suid-Afrika.
- Sullivan, A. K. (2002/2003). Bibliotherapy in the classroom. Using literature to promote the development of emotional intelligence. *Childhood Education, 79*(2), 74-80.
- Summerfeldt, L. J., Hogan, M. J., & Majeski, S. A. (2004). Emotional intelligence and academic success: Examining the transition from high school to university. *Personality and Individual Differences, 36*, 163-172.
- Sun, Y., & Wu, S. (2008). The effect of emotional state on waiting in decision making. *Social Behavior and Personality, 36*(5), 591-602.
- Swanson, H. L. (1987). Information processing and learning disabilities. *Journal of Learning Disabilities, 20*(1), 3-7.
- Tariq, V., Qualter, P., Roberts, S., Appleby, Y., & Barnes, L. (2012). *Mathematical literacy: role of gender and emotional intelligence*. The Higher Education Academy, STEM.

- Tashakkori, A., & Teddlie, C. (2003). *Handbook of mixed methods in social and behavioral research*. Thousand Oaks, CA: Sage.
- Taub, G. E., Keith, T., Floyd, R. G., & McGrew, K. S. (2008). Effects of general and broad cognitive abilities on mathematics achievement. *School Psychology Quarterly*, 23(2), 187-198.
- Tella, A. (2007). The impact of motivation on student's academic achievement and learning outcomes in mathematics among secondary school students in Nigeria. *Eurasia Journal of Mathematics*, 3(2), 149-156.
- Terre Blanch, M., & Durrheim, K. (2006). *Research in practice: Applied methods for the social sciences*. University of Cape Town, Cape Town, South Africa.
- Thomas, D. (2006). Counselling, culture and conformity: some implications for the education of counsellors and others involved in pastoral care. *Pastoral Care*, December, 20-25.
- Thomas, R. M. (2000). *Comparing theories of child development* (3rd ed). Belmont, Australia: Wadsworth.
- Thorndike, E. L. (1920). Intelligences and its uses. *Harper's Magazine*, 140, 227-235.
- Thorndike, E. L., & Stein, S. (1937). An evaluation of the attempts to measure social intelligence. *Psychological Bulletin*, 34, 275-284.
- TIMMS. (2003a). *IEA's TIMSS 2003 International report on achievement*. Retrieved from <http://timss.bc.edu/timms2009i/mcugd.html>
- TiMSS. (2003b Appendix A). *Mathematics cognitive domain framework*. TiMMS 2003 (Developmental project fourth and eighth grades).
- TIMSS. (2009). *Assessment frameworks and specifications*. Retrieved from <http://timss.bc.edutimss2009i/frameworks.html>
- Tobias, B. (2006). Mathematical word problems: understanding how secondary students position themselves. *African Journal of Research in SMT Education*, 10(2), 1-14.
- Tolmunen, T., Maarane, P., Hintikka, J., Kylvä, J., Rissanen, M., Honkalampi, K., Haukijärvi, T., & Laukkanen, E. (2007). Dissociation in a general population of Finnish adolescent. *Journal of Nervous and Mental Disease*, 195(7), 614-617.

- Tomasetto, C., Alparone, F. R., & Cadinu, M. (2011). Girls' math performance under stereotype threat: The moderating role of mothers' gender stereotypes. *Developmental Psychology, 47*(4), 943-949.
- Townsend, M., & Witton, K. (2003). Evaluating change in attitude towards Mathematics using the 'then-now' procedure in a cooperative learning programme. *British Journal of Educational Psychology, 73*(4), 473-487.
- Trinidad, D. R., Unger, J. B., Chou, C., Azen, S. P., & Johnson, C. A. (2004). Emotional intelligence and smoking risk factors in adolescents: Interactions on smoking intentions. *Journal of Adolescent Health, 34*(1), 46-55.
- Trujillo, K. M., & Hadfield, O. D. (1999). Tracing the roots of mathematics anxiety through in-depth interviews with preservice elementary teachers. *College Student Journal, 33*(2), 219-233.
- Tsanwani, A. R. (2009). *Tracing factors that facilitate achievement in mathematics in traditionally disadvantaged secondary schools* (Unpublished doctoral thesis). University of Pretoria: Pretoria, South Africa.
- Uwazurike, N. R. (2010). Metacognition and achievement goals as correlates of academic success. *Continental J. Education Research, 3*, 1-6.
- Vale, C., & Leder, G. (2004). Student views of computer-based mathematics in the middle years: Does gender make a difference? *Educational Studies in Mathematics, 56*, 287-312.
- Van Damme, J., Opdenakker, M., & Van den Broeck, A. (2004). *Co classes and schools have an effect on attitudes towards mathematics?* Retrieved from www.iea.nl/irc2004-timss.html
- Van de Gaer, E., Pustjens, H., Van Damme, J., & De Munter, A. (2008). Mathematics participation and mathematics achievement across secondary school: The role of gender. *Sex Roles, 59*(7-8), 568-585.
- Van der Stoep, F. et al. (1972). *Didaskein*. Johannesburg, South Africa: McGraw-Hill.
- Van der Stoep, F., & Louw, W. J. (1984). *Inleiding tot die didaktiese pedagogiek*. Kaapstad, Suid-Afrika: Academica.

- Van der Walt, M. S. (2008). *Aanpassing van die studie-oriënteringsvraelys in Wiskunde vir die gebruik in die intermediêre fase* (Doktorale proefskrif). Universiteit van Noordwes, Potchefstroom, Suid-Afrika.
- Van der Walt, M. S. (2009). Studieoriëntasie en basiese woordeskat in wiskunde in die laerskool. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie*, 24(4), 378-392.
- Van der Walt, M. S., & Maree, J. G., & Ellis, S. M. (2008). Metacognition in the learning of mathematics in the senior phase: some implications for the curriculum. *Journal of Adolescence and Youth*, 14(3), 205-235.
- Van Eeden, R. (1991). *Handleiding van die Senior Suid-Afrikaanse Individuele Skaal – Hersine (SSAIS-R)*. Deel 1. Pretoria: Raad vir Geesteswetenskaplike Navorsing.
- Van Jaarsveld, P. (2003). *Die hart van 'n wenner*. Wellington, New Zealand: Lux Verbi.
- Van Rensburg, J. J. J. (1973). *'n Kritiese-vergelykende studie van Jean Piaget se teorieë in verband met die ontwikkeling van die intellek van die kind en die opvoedkundige implikasies daarvan* (Doktorale proefskrif). Universiteit van die Oranje-Vrystaat, Bloemfontein, Suid-Afrika.
- Van Wyk, P. C. (1979). *Ortopedagogiese en ortodidaktiese hulpverlening aan kinders met spesifieke leerprobleme by aanvangsonderwys in wiskunde* (Doktorale proefskrif). UNISA, Pretoria.
- Van Zijl, T. R. (1985). *The effects of an activity programme on perceptual-motor abilities and self-concept of pre-school children* (Master dissertation). University of Port Elizabeth, Port Elizabeth, South Africa.
- Vaughn, S., Schumm, J. S., & Singabub, J. (1996). *Focus group interviews in education and psychology*. California, CA: Sage Publishers.
- Venkatesh, K. G., & Karimi, A. (2010). Mathematics anxiety, mathematics performance and overall academic performance in high school students. *Journal of the Indian Academy of Applied Psychology*, 36(1), 147-150.
- Vermeulen, S. (1999). *EQ - Emotional intelligence for everyone*. Rivonia, South Africa: Zebra.

- Vernon, P. E. (1933). Some characteristics of the good judge of personality. *Journal of Social Psychology*, 4, 42-57.
- Visser, D. (1988). Mathematics anxiety and continued participation in mathematics. *Spectrum*, 26(2), 38-40.
- Vittersø, J. (2001). Personality traits and subjective well-being: Emotional stability, not extraversion, is probably the important predictor. *Personality & Individual Differences*, 31(6), 903-914.
- Vivyan, C. (2009). Anxiety. Retrieved from www.getselfhelp.co.uk/anxiety.htm
- Volmink, J. D. (1993). A different mathematics education for a different South Africa? *Pythagoras*, 31, 32-27.
- Von Glaserfeld, E. (1991). Constructivism in education. In A. Lewy (Ed.), *The international encyclopedia of Curriculum*. Oxford: Pergamon.
- Vrey, J. D. (1979). *Die opvoedeling in sy selfaktualisering*. Universiteit van Pretoria, Pretoria, Suid-Afrika.
- Vrooman, M. K. (2010). An examination of the effects of single-gender classes on reading and mathematics achievement test scores of middle school students. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 70(8-A), 2880.
- Vygotsky, L. S. (1978). *Mind in society: the development of higher psychological processes*. In M. Cole, V. John-Steiner, S. Scribner, & E. Souberman (Eds.), Cambridge, MA: Harvard University.
- Wachsmuth, I., & Lorenz, J. H. (1987). Sharpening one's diagnostic skills by stimulating students' error behaviors. *Focus on Learning Problems in Mathematics*, 9(2), 43-56.
- Wagner, R., & Sternberg, R. J. (1984). Alternative conceptions of intelligence and their implications for education. *Review of Educational Research*, 54(2), 179-223.
- Walker, E. N. (2006). Urban high school students' academic communities and their effects on mathematics success. *American Educational Research Journal*, 43(1), 43-73.
- Walker, J. M. T., Hoover-Dempsey, K. V., Whetsel, D. R., & Green, C. L. (2004). *Parental involvement in homework: A review of current research and its implications for*

teachers, after school program staff, and parent leaders. *Harvard Family Research Project*. Retrieved from <http://www.hfrp.org/publications-resources/browse-our-publications/parental-involvement>

- Wang, J. (2006). An empirical study of gender difference in the relationship between self-concept and mathematics achievement in a cross-cultural context. *Educational Psychology, 26*(5), 689-706.
- Wang, Z. (2010). Academic motivation, mathematics achievement, and the school context: Building achievement models using TIMSS 2003. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 70*(9-A), 3346.
- Waterhouse, L. (2006). Multiple intelligences, the Mozart effect, and emotional intelligence: a critical review. *Educational Psychologist, 41*(4), 207-225.
- Watt, H. M. G. (2008). A latent growth curve modeling approach using an accelerated longitudinal design: The ontogeny of boys' and girls' talent perceptions and intrinsic values through adolescence. *Educational Research and Evaluation, 14*(4), 287-304.
- Wechsler, D. (1958). *The measurement of adult intelligence* (4th ed.). Baltimore, MD: Williams & Wilkins.
- Weinert, F. E., & Kluwe, R. H. (1987). *Metacognition, motivation, and understanding*. Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- Weisinger, H. (1998). *Emotional intelligence at work*. San Francisco: Jossey-Bass.
- Weiss, C. C., Carolan, B. V., & Baker-Smith, E. C. (2010). Big school, small school: (Re)testing assumptions about high school size, school engagement and mathematics achievement. *Journal of Youth and Adolescence, 39*(2), 163-176.
- Werblow, J., & Duesbery, L. (2009). The impact of high school size on math achievement and dropout rate. *The High School Journal, 92*(3), 14-23.
- Wessels, D. (2009). Die moontlikhede van 'n modelleringsperspektief vir skoolwiskunde: navorsings- en oorsigartikel. *Die Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie, 4*(28), 319-339.
- Wiechers, E. (1991). Intelligence and learning: A flexible paradigm. *Kleuterklanke, S.A. Tydskrif vir Voorskoolse Opvoeding, 16*(2), 4-9.

- Williams, W. V. (1988). Answers to questions about maths anxiety. *School Science and Mathematics, 88*(2), 95-104.
- Williams, E., & Shuard, H. (1970). *Primary mathematics, today*. London, England: Longman.
- Willig, C. (2009). *Introducing qualitative research in psychology* (2nd ed.). New York, NY: McGraw Hill.
- Wilson, T., Karimpour, R., & Rodkin, P.C. (2010). African American and European American students'peer groups during early adolescence: Structure, status, and academic achievement. *The Journal of Early Adolescence, 31*(1), 74-98.
- Wing, J. F., Schutte, N. S., & Byrne, B. (2006). The effect of positive writing on emotional intelligence and life satisfaction. *Journal of Clinical Psychology, 62*(10), 1291-1302.
- Wolff, S. B. (2005). *Emotional Competence Inventory (ECI). Technical Manual*. Hay Group: McClelland Center for Research and Innovation.
- Woodrow, D. (1984) Cultural impacts on children learning mathematics. *Mathematics in School, 13*, 5-7.
- Woodruff, A. D. (1970). *Experience and concept learning*. Boston, MA: Allyn & Bacon.
- Woolfolk, A. E. (1990). *Educational psychology* (4th ed.). Hillsdale, N.J: Prentice-Hall.
- Wootton, C. (2001). *The role of parents in the development of adolescent's emotional intelligence* (Unpublished masters dissertation). UNISA, Pretoria, South Africa.
- Yelon, S. L., & Weinstein, G. W. (1977). *A teacher's world*. New York, NY: McGraw-Hill.
- Yeo Kai Kow, J. (2005). Anxiety and performance on mathematical problem solving of secondary two students in Singapore. *The Mathematics Educator, 8*(2), 71-83.
- Zamarripa, L. (2010). Factors affecting student achievement in mathematics in select Texas high schools. *Dissertation Abstracts International Section A: Humanities and Social Sciences, 71*(3-A), 883.
- Zimmerman, B. J. (2000). Attaining Self-Regulation: a social cognitive perspective. In M. Boekaerts, R. P. Pintrich & M. Zeidner (Eds.), *Handbook of self-regulation* (pp. 13-39). San Diego, CA: Brace & Company.

Zirkel, S. (2000). Social intelligence. The development and maintenance of purposive behavior. In R. Bar-On & J. D. A. Parker (Eds.), *The handbook of emotional intelligence* (pp. 3-27). San Francisco, CA: Jossey-Bass.

Zuber-Skerrit, O. (1992). *Professional development in higher education. A theoretical framework for action research*. London, England: Kogan Page.

BYLAE

- 1. Etiese klaring**
- 2. Brief aan Onderwysdepartement**
- 3. Brief aan hoofde**
- 4. Brief aan leerders**
- 5. Brief aan ouers**
- 6. Terugvoering aan leerders**

OP CD

- 7. Kwalitatiewe data**
 - 7.1 Beskrywende statistiek
 - 7.2 Korrelasies
 - 7.3 Stapsgewyses regressieanalise
- 8. Kwantitatiewe data – fokusgroeponderhoude**

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BYLAAG A: Etiese klaring



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Education

RESEARCH ETHICS COMMITTEE

CLEARANCE CERTIFICATE

CLEARANCE NUMBER :

EP 10/01/02

DEGREE AND PROJECT

PhD

Die verband tussen emosionele intelligensie, studie-oriëntasie in wiskunde en die middel-adolescent se wiskundeprestasie

INVESTIGATOR(S)

Catharina Petronella Erasmus

DEPARTMENT

Educational Psychology

DATE CONSIDERED

24 August 2012

DECISION OF THE COMMITTEE

APPROVED

Please note:

For Masters applications, ethical clearance is valid for 2 years

For PhD applications, ethical clearance is valid for 3 years.

**CHAIRPERSON OF ETHICS
COMMITTEE**

Prof L Ebersohn

DATE

24 August 2012

CC

Jeannie Beukes

Prof. J.G. Maree

This ethical clearance certificate is issued subject to the following conditions:

1. A signed personal declaration of responsibility
2. If the research question changes significantly so as to alter the nature of the study, a new application for ethical clearance must be submitted
3. It remains the students' responsibility to ensure that all the necessary forms for informed consent are kept for future queries.

Please quote the clearance number in all enquiries.

BYLAAG B -Brief aan Onderwysdepartement



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Education

15 March 2010

Head of Department: Education
North West Province
Private Bag
Mmabatho

Dear

I wish to apply for permission to conduct research in the Department of Education:
North West.

The details of the project are as follows:

Purpose of the Research	Post-graduate study - Doctorate
Title of Thesis	<i>Die verband tussen emosionele intelligensie en middel-adolessente se wiskundeprestasie</i>
Value of the Research to Education	<p>a) To establish the relationship between:</p> <ul style="list-style-type: none"> • the factors of emotional intelligence, • the dimensions of study orientation in Mathematics and • the middle adolescent's achievement in Mathematics <p>b) To contribute to the literature with regards the possible relationship between emotional intelligence and achievement in Mathematics of the middle adolescent.</p> <p>c) To contribute to the literature with regards factors that contributes to achievement in Mathematics.</p>
Postgraduate enrolment particulars	<p>Institution: University of Pretoria Degree: D.Ed Faculty: Education Department: Educational Psychology Supervisor: Prof. J.G. Maree</p>
Proposed research methods	<ul style="list-style-type: none"> • Questionnaires • Interviews
Use of official documents	December 2009 marks in Mathematics of participants

Standardised Tests	SOM – Study Orientation in Mathematics EI- Questionnaire – BarOn EQ-i:YV™
Schools / District	English medium High Schools in the Mafikeng area: <ul style="list-style-type: none"> • International School of South Africa • Sol Plaatje High School • Mafikeng High School
Learners	Grade 9 and Grade 11 learners (male and female)
Involvement of educators, officials?	Maths teachers only to provide marks of learners in Mathematics. Management of school only to provide suitable venue.
Average period of time	Approximately two hours.
Time of day	After school hours
Term during which research will be undertaken	End of April / Beginning of May

Furthermore I request your permission to conduct interviews with a small group of students to explore their experiences of Mathematics as a subject, and to distribute the above-mentioned questionnaires among the learners.

Please note that all information supplied will be treated with confidentiality and outcome of the research will be made available on request. Tape recordings/data will be kept under lock and key and will be destroyed after completion of the research study.

Thank you for your attention

Yours sincerely



PETRO ERASMUS
 Researcher / Educational Psychologist



Professor J.G. MAREE
 Supervisor

**BYLAAG C: Toestemmingsbrief van
Onderwysdepartement**



education
Lefapha la Thuto
Onderwys Departement
Department of Education
NORTH WEST PROVINCE

10 Nelson Mandela Drive, Mafikeng
Private Bag X10, Mmabatho 2735
tel: (018) 357 700/1
Fax: (018) 351 7309
Tel: (018) 351 7315
e-mail: south@nwpe.gov.za

NGAKA MODIRI MOLEMA DISTRICT

OFFICE OF THE DISTRICT DIRECTOR

To: The Educational Psychologist
Pedro Erasmus

From: Mr Monale
The District Director

Date: 31 March 2010

Subject: Approval of proposal

Your correspondence dated the 15 March 2010, received on the 30 March 2010 is hereby acknowledged with thanks.

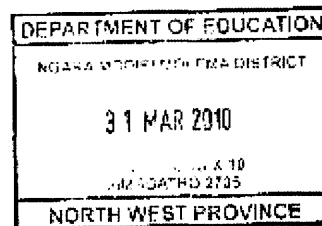
Your proposal is hereby approved on condition that no lesson or normal learning and teaching will be disturbed and prior arrangements with those schools are made.

Looking forward to your usual cooperation

Yours truly,

Mr. B Monale
District Director

cc: Mrs S.N. Semaswe
Executive District Manager



BYLAAG D: Brief aan hoofde



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Education

To: The District Manager

Cc: Principals of Secondary Schools
The Chairperson of the School Governing Body (SGB)

RE: Request to conduct research

DATE: 15 March 2010

The purpose of this letter is to request permission to involve Grade 9 and Grade 11 learners in my research study. A copy of the approval of the North West Department of Education to conduct research in schools is attached.

As part of my Doctoral Degree at the University of Pretoria, I am conducting research to establish what role emotional intelligence plays in maths achievement. Research in this area will contribute to the knowledge of factors that contribute to achievement in Mathematics.

Standardized questionnaires will be used to obtain profiles of the learners' present level of emotional intelligence and their general orientation towards maths. An interview will be conducted with a small group of learners to explore their experiences of maths as a subject.

Please note that learners are at liberty to withdraw from this study at any time, without penalty or pressure to provide reasons to me, as the researcher. A registered psychologist will be available when the learners complete the questionnaires, should any student have any questions or concerns about any aspect of the research process. The learners will take part in one session of approximately two hours to complete the questionnaires. This time will be arranged in consultation with the

management of the school to ensure that this does not affect teaching time.

Please note that all information supplied will be treated with confidentiality and outcome of the research will be made available on request. Tape recordings/data will be kept under lock and key and will be destroyed after completion of the research study.

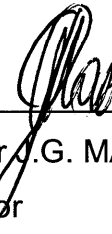
Should you have any queries or comments regarding this research study, you are welcome to contact me.

Your cooperation is highly appreciated.

Yours in Education



PETRO ERASMUS
Researcher / Educational Psychologist



Professor J.G. MAREE
Supervisor

BYLAAG E: Brief aan leerders



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of Education

1 May 2010

Dear learner

You are kindly requested to complete the following two questionnaires that will be handed to you in the next few days. The aims of the questionnaires are:

- To assess your attitude and study orientation towards Mathematics.
- To assess your emotional intelligence. Emotional intelligence measures your understanding of yourself and others, how you relate to others and how you adapt and cope with your immediate surroundings.

The ultimate aim of the research study is to establish what role emotional intelligence play in maths achievement.

It will take approximately two hours to complete both questionnaires.

I assure you that all information supplied will be treated as CONFIDENTIAL at all times and that it will NOT be made available to any unauthorized user. Tape recordings/data will be kept under lock and key and will be destroyed after completion of the research study.

Please note that you are at liberty to withdraw from this study at any time, without penalty or pressure to provide reasons to me, as the researcher. In this regard, I will undertake to ensure that participating in this study does not disadvantage you. A Psychologist will be available should you wish to have a confidential discussion regarding any aspect of this research project with her.

Should you have any queries or comments regarding this research study, you are

welcome to contact me.

Your cooperation is highly appreciated.

Yours in Education



PETRO ERASMUS

Researcher / Educational Psychologist



Professor J.G. MAREE

Supervisor

CONSENT

I, _____, have read and understand the aims of this research study.

On condition that the information provided by me is treated as confidential at all times, I hereby give consent that it may be used for research purposes.

Furthermore, I give consent that the school may provide my marks to the researcher on condition that these will also be treated as confidential.

Signature of participant

Date

BYLAAG F: Brief aan ouers



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Education

To: Parents/Guardians of Grade 9 and Grade 11
Mathematics/Mathematical Literacy learners

RE: Request to conduct research

DATE: 1 May 2010

The purpose of this letter is to request permission to involve your Grade 9 or Grade 11 child in my research study. Approval from the North West Department of Education to conduct research in schools has been given.

As part of my Doctoral Degree at the University of Pretoria, I am conducting research to establish what role emotional intelligence plays in maths achievement. Research in this area will contribute to the knowledge of factors that contribute to achievement in Mathematics.

Standardized questionnaires will be used to obtain profiles of the learners' present level of emotional intelligence and their general orientation towards maths. An interview will be conducted with a small group of learners to explore their experiences of maths as a subject.

Please note that learners are at liberty to withdraw from this study at any time, without penalty or pressure to provide reasons to me, as the researcher. A registered psychologist will be available when the learners complete the questionnaires, should any student have any questions or concerns about questionnaires. The learners will take part in one session of approximately two hours to complete the questionnaires.

This session will be arranged in consultation with the management of the school to ensure that this does not affect teaching time.

Please note that all information supplied will be treated with confidentiality and outcome of the research will be made available on request. Tape recordings/data will be kept under lock and key and will be destroyed after completion of the research study.

Should you have any queries or comments regarding this research study, you are welcome to contact me.

Your cooperation is highly appreciated.

Yours in Education



PETRO ERASMUS

Researcher / Educational Psychologist



Professor J.G. MAREE

Supervisor

CONSENT

I, _____, the parent/guardian of _____ (name of child), give my consent that he/she may participate in the study and that the information may be used for research purposes. Furthermore, I give consent that the school may provide his/her marks to the researcher on condition that all the information will be treated as confidential at all times.

Signature of parent

Date

BYLAAG G: Terugvoering aan leerders



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Education

Dear Student

Thank you once again for participating in the research project aimed at exploring the relationship between maths and emotional intelligence.

Attached please find your EQ (Emotional Intelligence) profile and the SOW (Study Orientation in Mathematics) profile. When reading this report please remember the following:

- **There are no right or wrong profiles**
- **The profiles indicate the level of functioning on that specific day**
- **The EQ (Emotional Intelligence Profile) can be interpreted as follows:**
 - **Area for enhancement**
 - **Effective functioning and**
 - **Enhanced area**
- **The SOW (Study Orientation in Mathematics) can be interpreted as follows:**
 - **0-39% - Clearly negative study orientation or aspect of it**
 - **40-69% - Neutral but can contribute to positive or negative orientation or aspect of it.**
 - **70-100% - Clearly positive study orientation or aspect of it.**

Best wishes for your studies

Kind regards

PETRO ERASMUS

Researcher

BYLAAG H: (CD) –

KWANTITATIEWE DATA

Korrelasies

Regressieanalise

KWALITATIEWE DATA

Fokusgroeponderhoude