

Young Mathematicians
Bibliography

Baroody, A. J., & Coslick, R. T. (1998). *Fostering children's mathematical power: An investigative approach to K–8 mathematics instruction*. Mahwah, NJ: Lawrence Erlbaum Associates.

Boaler, J. (2015). *Unlocking children's math potential: Research results to transform math learning*. Retrieved from <http://www.youcubed.org/wp-content/uploads/2015/03/teacher-article-youcubed2.pdf>.

Boaler, J. (2014). *The mathematics of hope: Moving from performance to learning in mathematics classrooms*. Retrieved from <http://youcubed.org/teachers/2014/the-mathematics-of-hope/>

Boaler, J., & D. Foster. (2014). *Raising expectations and achievement: The impact of wide-scale mathematics reform giving all students access to high-quality mathematics*. Retrieved from <http://www.heinemann.com/blog/the-mathematics-of-hope-moving-from-performance-to-learning-in-mathematics-classrooms/>

Boaler, J., Williams, C., & Confer, A. (2015, January 28). *Fluency without fear: Research evidence on the best ways to learn math facts*. Retrieved from <http://www.youcubed.org/wp-content/uploads/2015/03/FluencyWithoutFear-2015.pdf>.

Bruce, C., Flynn, T., & Moss, J. (2012). Mathematics for Young Children Literature Review (M4YC). Retrieved from http://www.curriculum.org/storage/239/1385474873/Math_for_Young_Children_Literature_Review.pdf

Clements, D. & Sarama, J. (2014). *Learning and teaching early Math: The learning trajectories approach*. New York: Routledge

Clements, D. & Sarama, J. (2009, Winter). Building blocks and cognitive building blocks: Playing to know the world mathematically. *American Journal of PLAY*.

Clements, D. & Sarama, J. (2009). *Learning and teaching early math: The learning trajectories approach*: Routledge

Clements, D. H., (1999). Subitizing: What is it? Why teach it? *Teaching Children Mathematics*, 5, 400-405.

Young Mathematicians Bibliography

Clements, D. H., Swaminathan, S., Hannibal, M.A.Z., & Sarama, J. (1999). Young children's concepts of shape. *Journal of Research of Mathematics Education*, 192–221.

Dahlberg, G., Moss, P., & Pence, A. (2007). *Beyond quality in early childhood education: Languages of evaluation*. London: Routledge.

Duncan, G. J., Dowsett, C. J., Claessens, A., Magnuson, K., Huston, A.C., Klebanov, P., & Japel, C. (2007). School readiness and later achievement. *Developmental Psychology*, 43, 1428–1446.

+9

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Dweck, C. S. (2015). The secret to raising smart kids. *Scientific American Mind & Brain Special Editions (23)5*. Retrieved from

www.scientificamerican.com/article/the-secret-to-raising-smart-kids1/)

Dweck, C. S. (2006). *Is math a gift? Beliefs that put females at risk*. In S. J. Ceci & W. Williams (Eds.). *Why aren't more women in science? Top researchers debate the evidence*. Washington, DC: American Psychological Association. Retrieved from <https://web.stanford.edu/dept/psychology/cgi-bin/drupal/system/files/cdweckmathgift.pdf>

ETFO PLEY (nd). Math happens in kindergarten. Retrieved from <http://etfopley.ca/projects/math-happens-in-kindergarten>.

Ginsburg, H. P., Lee, J. S., & Boyd, J. S. (2008). Math education for young children: what it is and how to promote it. *Social policy report: Giving child and youth development knowledge away*, 22(1), 3–23. Retrieved from <http://www.srpd.org/spr.html>

Klechevsky, M., Mardell, B., Rivard, M., & Wilson, D. (2013). *Visible learners*. San Francisco, CA: Jossey-Bass.

Lewin-Benham, A. (2011). *Twelve best practices for early childhood education: Integrating Reggio and other inspired approaches*. New York: Teachers College Press.

Fosnot, C. T. (2005). Constructivism revisited: Implications and reflections. *The Constructivist*, 16.

Fosnot, C.T., & van Galen, F. (2007). *Contexts for learning mathematics*. Portsmouth, NH. Heinemann.

Young Mathematicians Bibliography

Fraser, S. (2012). *Authentic childhood*. To: ON: Nelson Education.

Fuson, K.C., Beckmann, S., & Clements, D.H. (2010). *Focus in kindergarten: Teaching with curriculum focal points*. Washington, DC: National Council of Teachers of Mathematics.

Ginsburg, H. P., Lee, J. S., & Boyd, J. S. (2008). Math education for young children: what it is and how to promote it. *Social policy report: Giving child and youth development knowledge away*, 22(1), 3–23. Retrieved from <http://www.srce.org/spr.html>

Macdonald, M., Sanchez, A. (2010). Provoking dialogue: Promote a deeper understanding of teaching and learning through images and documents. *Canadian Children*. 35(2).

Maguire, E. A., Woollett, K., & Spiers, H J. (2006). London taxi drivers and bus drivers: A structural MRI and neuropsychological analysis. *Hippocampus*, 16(12), 1091–101.

National Association of Education of Young Children (NAEYC). (2002). Early Childhood Mathematics: Promoting Good Beginnings. <https://oldweb.naeyc.org/about/positions/psmath.asp>

National Research Council. (2001). Adding it up: Helping children learn mathematics. In J. Kilpatrick, J. Swafford, & B. Findell (Eds.), *Mathematics Learning Study Committee, Center for Education, Division of Behavioral and Social Sciences and Education*. Washington, DC: National Academy Press.

Ontario Ministry of Education. (2014). *How does learning happen*. Ontario: Queen's Printer. Retrieved from <http://www.edu.gov.on.ca/childcare/HowLearningHappens.pdf>

Ontario Ministry of Education. (2011). Capacity Building Series. Maximizing Mathematical Learning in the Early Years. http://www.edu.gov.on.ca/eng/literacynumeracy/inspire/research/cbs_maximize_math_learning.pdf

Ontario Ministry of Education. (2014). *Creating conditions for learning* [video]. (Lucy West segment)

Young Mathematicians Bibliography

Ontario Ministry of Education. (2014). *Kindergarten matters: Re-imagining literacy and mathematics throughout the day* [video].

Ontario Ministry of Education. (2014). *Leaders in Educational Thought in Mathematics K–12* [video] (Jo Boaler segment).

Ontario Ministry of Education. (2014). *Leaders in Educational Thought in Mathematics K–12* [video]. (George Hart segment).

Ontario Ministry of Education. (2014). *Leaders in Educational Thought in Mathematics K-12* [video]. (Marian Small segment).

Ontario Ministry of Education. (2014). *Loving the math, Living the math* [video].

Ontario Ministry of Education. (2014). *Think, feel, act: Lessons from research about young children*. <https://www.edu.gov.on.ca/childcare/environment.html>

Ontario Ministry of Education (2012). Reimagining literacy and numeracy across the day. Retrieved from <http://learnteachlead.ca/projects/re-imagining-literacy-and-mathematics-throughout-the-day-kindergarten-matters/>

Ontario Ministry of Education. (2012, July). Maximizing student mathematical learning in the early years. *Capacity Building Series, Special Edition (22)*.

Ontario Ministry of Education. (2012, July) The Third Teacher. *Capacity Building Series, Special Edition (27)*.

Ontario Ministry of Education. (2010). *Full day early learning kindergarten program*. Retrieved from https://www.edu.gov.on.ca/eng/curriculum/elementary/kindergarten_english_june3.pdf

Ontario Ministry of Education. (2005). *Mathematics curriculum Grades 1–8*. Retrieved from <https://www.edu.gov.on.ca/eng/curriculum/elementary/math18curr.pdf>

Sarama, J. & Clements, D. (2008). Mathematics in early childhood. In O. Saracho & B. Spodek (Eds.), *Contemporary perspectives on mathematics in early childhood education* (pp. 67–94). Charlotte, NC: Information Age Publishing.

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Bibliography

Seo, K-H., & Ginsburg, H.P. (2004). What is developmentally appropriate in early childhood mathematics education? Lessons from new research. In D. H. Clements, J. Sarama, & A. M. DiBiase (Eds.), *Engaging young children in mathematics: Standards for early childhood mathematics education* (pp. 91–104). Hillsdale, NJ: Erlbaum.

Shumway, J. F. (2013). Building bridges to spatial reasoning. *Teaching Children Mathematics*, 20(1), 44–51.