

Maths and numeracy related readings: useful and accessible

*** essential reading

Core Readings

- *** Askew, M. et al., 1997. *Effective teachers of numeracy*, London: London: King's College/TTA.
- *** Askew, M., 2012. *Transforming Primary Mathematics*, Abingdon: Routledge.
- *** Kilpatrick, J., Swafford, J. & Findell, B., 2001. *Adding It Up: Helping Children Learn Mathematics*, Washington DC: National Academy Press
- *** Boaler, J., 2010. *The Elephant in the Classroom: Helping Children Learn and Love Maths*, Souvenir Press Ltd.
- *** Parrish, S., 2011. Number Talks Build Numerical Reasoning. *Teaching Children Mathematics*, 18(October), pp.198-206. Available at: http://www.mathsolutions.com/documents/NumberTalks_SParrish.pdf.
- *** Wright, R.J., 2013. Assessing early numeracy: Significance, trends, nomenclature, context, key topics, learning framework and assessment tasks. *South African Journal of Childhood Education*, 3(2), pp.21-40.

Mike Askew

- Maths for Mums and Dads (Book)
- Askew, M., 2013. Mediating learning number bonds through a Vygotskian lens of scientific concepts. *South African Journal of Childhood Education*, 3(2), pp.1-20.
- A selection of Teach Primary articles written by Mike available here: <http://www.ru.ac.za/sanc/numeracyresources/mathslinks/articles/index.html>

Wright et al

- Wright, R.J. et al., 2006. *Teaching Number: Advancing children's skills and strategies* 2nd ed., London: Paul Chapman Publishing Ltd.
- Wright, R.J., Martland, J. & Stafford, A.K., 2006. *Early numeracy: assessment for teaching and intervention*, London: Sage Publications Ltd.
- *** Wright, R.J., Ellemor-Collins, D. & Tabor, P.D., 2012. *Developing Number Knowledge: Assessment, Teaching & Intervention with 7-11-year olds*, Los Angeles: Sage Publications.

Jo Boaler

- Boaler, J. (2009). *What's Math Got To Do With It?: How Parents and Teachers Can Help Children Learn to Love their Least Favorite Subject*. New York: Penguin.
- *Experiencing School Mathematics: Teaching Styles, Sex, And Setting*
- *Multiple Perspectives On Mathematics Teaching And Learning*
- Boaler, J., & Humphreys, C. (2005). *Connecting mathematical ideas: middle school video cases to support teaching and learning*. Portsmouth, NH: Heinemann.

Fosnot & Dolk

- *** Fosnot, C.T. & Dolk, M., 2001. *Young Mathematicians at Work: Constructing Number Sense, Addition, and Subtraction*, Portsmouth, New Hampshire: Heinemann.
- Fosnot, C.T. & Dolk, M., 2001. *Young mathematicians at work: constructing multiplication and division*.
- Fosnot, C.T. & Dolk, M., 2001. *Young mathematicians at work: Constructing Fractions, Decimals, and Percents*

Julia Anghileri

- Teaching Number Sense
- Developing Number Sense: Progression in the Middle Years

Other

- Reddy, V.B., 2006. *Mathematics and science achievement at South African schools in TIMSS 2003*, Cape Town: HSRC Press.
- Fleisch, B., 2008. *Primary education in crisis: Why South African schoolchildren underachieve in reading and mathematics*, Johannesburg: Juta.
- Ma, L., 2010. *Knowing and teaching elementary mathematics: Teachers' understanding of fundamental mathematics in China and the United States*, New York, China and USA: Routledge.
- Parrish, S. (2010). *Number talks: Helping children build mental math and computation strategies, grades K-5*. Sausalito, CA: Math Solutions Publications.
- Cathy Seely - *Faster Isn't Smarter: Messages about Math, Teaching, and Learning in the 21st Century: A Resource for Teachers, Leaders, Policy Makers, and Families*
- Alina Tugend - *Better By Mistake: The Unexpected Benefits of Being Wrong*
- Burns, M., 2007. *About Teaching Mathematics: A K-8 Resource* 3rd ed. T. Gordon, ed., Sausalito, California: Math Solutions Publications.
- *** Dweck, Carol S. (2007). *Mindset: The new psychology of success*. New York, NY: Random House.
- Mason, J., Burton, L. & Stacey, K. (1982). *Thinking mathematically*. London: Addison-Wesley.
- We maintain a list of relevant articles on our website here:
<http://www.ru.ac.za/sanc/numeracyresources/mathlinks/index.html>