

## Litteraturlista ht 2023

Kursplanerna i matematik för grundskolan och gymnasieskolan, inklusive betygsgränser hämtas på Skolverkets hemsida. Dessa dokument är relevanta under hela inriktningsåret. Artiklar finns att hämta i mappen Kursdokument i Lisamrummet.

\*Kursböcker; dessa ska ses som obligatoriska och nödvändiga för kursens genomförande.

Almqvist, L., Malmqvist, J. & Nilholm, C. (2015). *Vilka stödinsatser främjar uppfyllelse av kunskapsmål för elever i svårigheter? - en syntes av meta-analyser*. I Tre forskningsöversikter inom området specialpedagogik/inkludering. (Delrapport från SKOLFORSK-projektet). Vetenskapsrådet.

Björn, P. M., Aro, M., Koponen, T., Fuchs, L. S., & Fuchs, D. (2018). Response-to-intervention in Finland and the United States: Mathematics learning support as an example. *Frontiers in Psychology*, 9(800), 1–10. <https://doi.org/10.3389/fpsyg.2018.00800>

Björn, P. M., Aro, M. T., Koponen, T. K., Fuchs, L. S., & Fuchs, D. H. (2015). The many faces of special education within RTI frameworks in the United States and Finland. *Learning Disability Quarterly*, 39(1), 58–66. <https://doi.org/10.1177/0731948715594787>

Chen, Q., & Li, J. (2014). Association between individual differences in non-symbolic number acuity and math performance: a meta-analysis. *Acta Psychologica*, 148, 163–172. <https://doi.org/10.1016/j.actpsy.2014.01.016>

\*Chinn, S. (2015). *The Routledge international handbook of Dyscalculia and mathematical learning difficulties*. Routledge.

Doabler, C. T., Fien, H., Nelson-Walker, N. J., & Baker, S. K. (2012). Evaluating three elementary mathematics programs for presence of eight research-based instructional design principles. *Learning Disability Quarterly*, 35(4), 200–211. <https://doi.org/10.1177/0731948712438557>

Dowker, A., Sarkar, A., & Looi, C. Y. (2016). Mathematics anxiety: What have we learned in 60 years? *Frontiers in Psychology*, 7(508), 1-16. <https://doi.org/10.3389/fpsyg.2016.00508>

Engström, A (2015). Specialpedagogiska frågeställningar i matematik. Valda delar. <http://www.kau.se/kup/specialpedagogiska-fragestallningar-i-matematik>

Fazio, L. K., Bailey, D. H., Thompson, C. A., & Siegler, R. S. (2014). Relations of different types of numerical magnitude representations to each other and to mathematics achievement. *Journal of Experimental Child Psychology*, 123, 53–72. <https://doi.org/10.1016/j.jecp.2014.01.013>

Friso-van den Bos, I., van der Ven, S. H. G., Kroesbergen, E. H., & van Luit, J. E. H. (2013). Working memory and mathematics in primary school children: A meta-analysis. *Educational Research Review*, 10, 29–44. <https://doi.org/10.1016/j.edurev.2013.05.003>

Fuchs, L. S., & Fuchs, D. (2001). Principles for the prevention and intervention of mathematics difficulties. *Learning Disabilities Research and Practice*, 16(2), 85-95. <https://doi.org/10.1111/0938-8982.00010>

\*Hudson, P. & Miller, S. P. (2006). *Designing and implementing mathematics instruction for students with diverse learning needs*. Pearson.

Hughes, C. A., Morris, J. R., Therrien, W. J., & Benson, S. K. (2017). Explicit Instruction: Historical and contemporary contexts. *Learning Disabilities Research and Practice*, 32(3), 140–148. <https://doi.org/10.1111/ldrp.12142>

- Kaufmann, L., Mazzocco, M. M., Dowker, A., von Aster, M., Göbel, S. M., Grabner, R. H., ... Nuerk, H.- C. (2013). Dyscalculia from a developmental and differential perspective. *Frontiers in Psychology*, 4(516), 1-5. <https://doi.org/10.3389/fpsyg.2013.00516>
- Khisty, L. L., & Chval, K.B. (2002). Pedagogic discourse and equity in mathematics: When teachers' talk matters. *Mathematics Education Research Journal*, 14(3), 154-168. <https://doi.org/10.1007/BF03217360>
- Loewenberg Ball, D., Thames, M.H., & Phelps, G. (2008). *Content knowledge for teaching. What makes it special?* *Journal of Teacher Education*, 59(5), 389–407. <https://doi.org/10.1177/0022487108324554>
- Loewenberg Ball, D., Ferrini-Mundy, J., Kilpatrick, J., Milgram, R. J., Schmid, W., & Schaar R. (2005). Reaching for common ground in K – 12 Mathematics Education. *Notices of the AMS*, 52(9) 1055–1058.
- Lewis, K. E., & Fisher, M. B. (2016). Taking stock of 40 years of research on mathematical learning disability: Methodological issues and future directions. *Journal for Research in Mathematics Education* 47(4), 338–371. <https://doi.org/10.5951/jresmetheduc.47.4.0338>
- Lundberg, I., & Sterner, G. (2009). *Dyskalkyli- finns det?* NCM
- National Mathematics Advisory Panel. (2008). *Foundations for success: The final report of the National Mathematics Advisory Panel*. Washington, DC: U.S. Department of Education. <https://www2.ed.gov/about/bdscomm/list/mathpanel/report/final-report.pdf>
- Rittle-Johnson, B., Schneider, M., & Star, J. R. (2015). Not a one-way street: Bidirectional relations between procedural and conceptual knowledge of mathematics. *Educational Psychology Review*, 27(4), 587–597. <https://doi.org/10.1007/s10648-015-9302-x>
- Siegler, R. S., & David W. Braithwaite, D. W. (2017). Numerical Development. *Annu. Rev. Psychol.*, 68, 187–213. <https://doi.org/10.1146/annurev-psych-010416-044101>
- Skolverket (2011). *Läroplan, examensmål och gymnasiegemensamma ämnen för gymnasieskola 2011*. <https://www.skolverket.se/undervisning/gymnasieskolan/laroplan-program-och-amnen-i-gymnasieskolan/laroplan-gy11-for-gymnasieskolan>
- Skolverket (2022). *Läroplan för grundskolan, förskoleklassen och fritidshemmet- Lgr22*. Skolverket. <https://www.skolverket.se/getFile?file=9718>
- Svensson, P., Meany, T., & Norén, E. (2014). Immigrant students' perceptions of their possibilities to learn mathematics: the case of homework. *For the Learning of Mathematics*, 34(3), 32-37. <http://flm-journal.org/Articles/73FBAB9E0F1FFACAA6ADCA155A39C.pdf>
- Träff, U., & Samuelsson, J. (2013). An analysis of errors in multi-digit arithmetic and arithmetic word problem solving in children with mathematical learning difficulties. *Special Education*, 28(1), 121-132.
- Vetenskapsrådet (2015). *Kartläggning av forskning om formativ bedömning, klassrumsundervisning och läromedel i matematik*. (Delrapport från SKOLFORSK-projektet). Vetenskapsrådet.
- Walshaw, M., & Anthony, G. (2008). The teacher's role in classroom discourse: A review of recent research into mathematics classrooms. *Review of Educational Research* 78(3), 516– 551.
- \*Woolfolk, A., & Karlberg, M. (2014). *Pedagogisk psykologi*. Pearson Education.