

## Použitá literatúra

Na tieto tituly v angličtine sa autori v texte odvolávajú a využívajú ich na to, aby aj teoreticky odôvodnili využívanie ich prístupu k riešeniu matematických úloh v rámci kurikula.

ADLER, A. 1972. Mathematics and Creativity. *New Yorker Magazine*, Feb. 19, 1972. [online] [www.newyorker.com/magazine](http://www.newyorker.com/magazine).

ASKEW, M.; WILLIAM, D. 1995. *Recent Research in Mathematics Education 5 - 16*. London: HMSO.

ASKEW, M.; BROWN, M.; JOHNSON, D. C. et al. 1993. *Evaluation of the Implementation of the National Curriculum Mathematics at Key Stages 1, 2 and 3*. London: Schools Curriculum and Assessment Authority.

ASKEW, M.; RHODES, V.; BROWN, M.; WILLIAM, D.; JOHNSON, D. 1997. *Effective Teachers of Numeracy*. [online] <http://www.mikeaskew.net/page4/files/EffectiveTeachersofNumeracy.pdf>.

BOALER, J. 1998. Open and Closed Mathematics: Student Experiences and Understandings. *Journal for Research in Mathematics Education*, Vol. 29, No. 1, 41 - 6. Reston, V. A.: NCTM.

CARRUTHERS, E.; WORTHINGTON, M. 2006. *Children's Mathematics: Making Marks, Making Meaning*. London: SAGE Publications.

Department of Education and Science. 1979. *Mathematics 5 - 11*. London: Department of Education and Science.

DEVLIN, K. 2000. The Maths Gene: *Why everyone has it, but most people don't use it*. London: Weidenfeld & Nicolson.

FRASER, H.; HONEYFORD, G. 2000. *Children, Parents & Teachers Enjoying Numeracy*. London: David Fulton.

GILBERT, C. 2006. *2020 Vision: Report of the Teaching and Learning in 2020 Review Group*. London: Department for Education and Science.

HAYLOCK, D.; THANGATA, F. 2007. *Key Concepts in Teaching Primary Mathematics*. London: SAGE publications.

HOLTON, D. 2010. Mathematics: What? Why? How? In: *Community for Undergraduate Learning in Mathematical Sciences*, Newsletter 1, July, 2010. [online] [www.math.auckland.ac.nz /CULMS/wp-content/uploads/2010/08/CULMS-Newsletter-No11.pdf](http://www.math.auckland.ac.nz/CULMS/wp-content/uploads/2010/08/CULMS-Newsletter-No11.pdf).

HOLTON, D.; AHMAD, A.; WILLIAMS, H.; HILL, C. 2001. On the Importance of Mathematical Play. In: *International Journal of Mathematical Education In Science and Technology*, 32(3). Taylor & Francis.

HUNTER, J. 2006. Students in a mathematical community of inquiry: What do they think? In: P. Grootenboer, R. Zevenbergen, & M. Chinnappan (eds.): *Identities, cultures and learning spaces*. Proceedings of the 29th annual conference of the Mathematics Education Research Group of Australasia (Vol. 1), MERGA, Sydney.

- KERSLAKE, D. 1989. Collaborative Learning in Mathematics. In: *Mathematics in School*, V18, n1, Jan. Leicester: Mathematical Association.
- KNIGHT, P.; PENNANT, J.; PIGGOTT, J. 2004. What does it mean to 'use the interactive whiteboard' in the daily mathematics lesson? In: *Micromath*, 20(2). Leicester: Mathematical Association.
- LEWIS, A. 1996. *Discovering Mathematics with 4- to 7-Year Olds*. London: Hodder & Stoughton.
- MAHER, C.; MARTINO, A. 1996. The development of the idea of mathematical proof: A 5-year case study. In: *Journal for Research in Mathematics Education*, 27(2). Reston, V. A.: NCTM.
- MUIR, T.; BESWICK, K. 2005. Where Did I Go Wrong? Reflecting on the Problem Solving Process. In: P. Clarkson, A. Downton, D. Gronn, M. Horne, A. McDonough, R. Pierce & A. Roche (eds.): *Building connections: Theory, research and practice*. Proceedings of the 28th annual conference of the Mathematics Education Research Group of Australasia, MERGA, Melbourne.
- MUIR, T.; BESWICK, K.; WILLIAMSON, J. 2008. "I'm Not Very Good at Solving Problems": An Exploration of Students' Problem Solving Behaviours. In: *Journal of Mathematical Behavior*, 27(3). Warsaw: Elsevier.
- National Numeracy Strategy. 2000. *Using ICT to Support Mathematics in Primary Schools*. London: Department for Education and Employment.
- North Central Regional Educational Laboratory. 2007. *Investigations in Numbers, Data, and Space*. [online] <https://investigations.terc.edu>.
- PIGGOTT, J.; PUMFREY, L. 2006. *Maths Trails – Being Systematic*. Cambridge: Cambridge University Press.
- POLYA, G. *How to solve it*. [online] [https://notendur.hi.is/hei2/teaching/Polya\\_HowToSolveIt.pdf](https://notendur.hi.is/hei2/teaching/Polya_HowToSolveIt.pdf).
- ROTA, G. C. 1995. Introduction. In: P. J. Davis, Hersh, & E. A. Marchisotto (eds.): *The Mathematics Experience: Study Editio*. Boston: Birkhäuser.
- SAWYER, W. 1995. *Prelude to Mathematic*. London: Penguin.
- SCHIFTER, D.; BASTABLE, V.; RUSSELL, S. J. 2009. *Developing mathematical ideas: Numbers and Operations*. New Jersey: Pearson Prentice Hall.
- SWAN, M. B. 2005. *Improving learning in mathematics: challenges and strategies*. London: Department for Education and Skill.
- Sweeney, L. 2003. Listen to One Another: Ears Open, Mouths Closed. In: F. K. Lester Jr. (Ed) *Teaching Mathematics through problem solving: prekindergarten-grade 6*. Reston, V. A.: NCTM.
- Teh Pick Ching. 1997. An experiment to discover mathematical talent in a primary school in Kampong Air. In: *International Reviews on Mathematical Education*, Volume 29 (June 1997) Number 3. [online] <http://www.emis.de/journals/ZDM/zdm973i.html>.
- VAN DE WALLE, J. A. 2001. *Elementary and Middle school mathematics: teaching developmentally 4th edition*. New York: Longman.

- VERSCHAFFEL, L.; De CORTE, E. 1997. Word problems: A vehicle for promoting authentic mathematical understanding and problem-solving in the primary school. In: T. Nunes & P. Bryant (eds): *Learning and Teaching Mathematics*. Hove, Sussex: Psychology Press.
- WAY, J. 2001. *Using Questioning to Stimulate Mathematical Thinking*. [online] [http://nrich.maths.org/public/viewer.php?obj\\_id=2473&part=Original%20article%202473](http://nrich.maths.org/public/viewer.php?obj_id=2473&part=Original%20article%202473).
- WAY, J. 2001. *Using Questioning to Stimulate Mathematical Thinking: Addendum*. [online] [http://nrich.maths.org/public/viewer.php?obj\\_id=2475&part=index&nomenu=1](http://nrich.maths.org/public/viewer.php?obj_id=2475&part=index&nomenu=1).
- YOUNG-LOVERIDGE, J.; TAYLOR, M.; SHARMA, S.; HAWERA, N. 2005. *Findings from the New Zealand Numeracy Development Projects: Students' Perspective on the Nature of Mathematics*. [online] [http://nzmaths.co.nz/sites/default/files/Numeracy/References/Comp05/comp05\\_young-loveridge\\_etal.pdf](http://nzmaths.co.nz/sites/default/files/Numeracy/References/Comp05/comp05_young-loveridge_etal.pdf).
- ZACK, V. 1997. "You have to prove us wrong": Proof at the elementary School Level. In: *Proceedings of the 21st Conference of the International Group for the Psychology of Mathematics Education*, Erkki Pehkonen (ed.) Vol 4. Lahti, Finland: University of Helsinki.

## Literárne zdroje v českom a slovenskom jazyku

- BURJAN, V.; BURJANOVÁ, L. 1991. *Matematické hry*. Bratislava: Pytagoras.
- ČÁP, J.; MAREŠ, J. 2002. *Psychologie pro učitele*. Praha: Portál.
- HEJNÝ, M. 1995. Zmocňování se slovní úlohy. *Pedagogika*, roč. XLV, s. 386 – 399.
- HEJNÝ, M.; KOMAN, M. 1997. Mohou budoucí učitelky 1. stupně objevovat „matematiku“? In: *Vyučování matematice a kultivace myšlení*. Hradec Králové: VŠP, s. 35 – 49.
- HEJNÝ, M.; KUŘINA, F. 1998. Konstruktivní přístupy k vyučování matematice. In: *Matematika, fyzika, informatika*, č. 7/1998, str. 385 – 395.
- HEJNÝ, M.; NOVOTNÁ, J.; STEHLÍKOVÁ, N. (ed.) 2004. *Dvacet pět kapitol z didaktiky matematiky, 1. díl*. Praha: PedF KU.
- HEJNÝ, M. a kol. 1990. *Teória vyučovania matematiky 2*. Bratislava: SPN.
- HEJNÝ, M.; KUŘINA, F. 2009. *Dítě, škola a matematika*. Praha: Portál, 2009.
- JIROTKOVÁ, D.; STEHLÍKOVÁ, N. (eds). 2002. *Dva dny s didaktikou matematiky*. Praha: PedF UK.
- KOMAN, M.; TICHÁ, M. 1997/1998. Jak v matematice zvládají žáci zkoumání situací z praxe – I. (Cestování – čas – peníze). In: *Matematika, fyzika, informatika*, roč. 7, s. 2 – 12.
- KOPČÁKOVÁ, S. 2011. Leonard Stöckel a matematika. In: Kónya, P. (ed.): *Leonard Stöckel a reformácia v strednej Európe*, str. 85 – 94. Prešov: Vydavateľstvo Prešovskej univerzity.
- KOVALIK, S.; OLSEN, K. D. 1989. *Integrované tematické vyučovanie: model*. Bratislava: Faber.
- KRÜGER, J. 2008. *Mathematics in a new interdisciplinary subject for upper secondary education: aSMaT*. Proceedings of ICME 11, Mexico.
- KUBÁČEK, Z.; ČERNEK, P.; ŽABKA, J. 2008. *Matematika a svet okolo nás, zbierka úloh*. Vydavateľstvo Pavol Cibulka.
- KUBÍNOVÁ, M. 2002. *Projekty ve vyučování matematice, cesta k tvořivosti a samostatnosti*. Praha: PedF UK.
- KUŘINA, F. et al. 2009: *Matematika a porozumění světu*. Praha: Academia.
- KUŘINA, F. 1976. *Problémové vyučování v geometrii*. Praha: SPN.
- KUŘINA, F. 1989. *Umění vidět v matematice*. Praha: SPN, 1989.
- LUŽINSKÁ, K. 2009. *Integrované tematické vyučovanie na 1. a 2. stupni ZŠ: príklady vyučovacích blokov a celoročných tém: výber zo záverečných prezentácií*. Bratislava: Metodicko-pedagogické centrum.

- MAREŠ, J. 1998. *Styly učení žáků a studentů*. Praha: Portál.
- NOVOTNÁ, J. 2000a. *Analýza řešení slovních úloh*. Praha: PedF UK.
- NOVOTNÁ, J. 2000b. Objevujeme v matematice. Pracovní dílna. In: Jirotková, D.; Stehlíková, N. (eds.): *Dva dny s didaktikou matematiky*, s. 49 – 53. Praha: PedF UK.
- PETTY, G. 1996. *Moderní vyučování*. Praha: Portál.
- TONNUCCI, R. 1991. *Vyučovat nebo naučit?* Praha: PedF UK.