

Litteraturliste MATDID230-P

Felles:

Hinna, Rinvold, Gustavsen, QED5-10: Matematikk for grunnskolelærerutdanningen, Høyskoleforlaget 2011, utdrag fra kapittel 1, 2 og 3 (vil bli gjort tilgjengelig)

Mason, J., Burton, L. & Stacey, K., Thinking Mathematically, Prentice Hall, Second edition, 2010

Schultz, James E., and Michael S. Waters. "Why representations?" *The Mathematics Teacher*, Vol. 93, No. 6 (2000): 448 – 453

Arcavi, A. (2003). The role of visual representations in the learning of mathematics. *Educational studies in mathematics*, 52(3), 215-241.
<https://link.springer.com/content/pdf/10.1023%2FA%3A1024312321077.pdf>

Goldin, G. A., Representation in School Mathematics: A Unifying Research Perspective, In: Kilpatrick, J., Martin, W. G., Shifter, D. (eds.) *A Research Companion to Principles and Standards for School Mathematics*, NCTM, 2003, ISBN 978-0-87353-537-3

Individuelt:

Hver student velger i samråd med fagansvarlig fire artikler hvorav:

En artikkel om læring av brøk – f.eks. Charalambous, C. Y., & Pitta-Pantazi, D. (2007). Drawing on a theoretical model to study students' understandings of fractions. *Educational studies in mathematics*, 64(3), 293.

En artikkel om læring av algebra – f.eks. Kieran, C. "Learning and teaching algebra at the middle school through college levels. I: Lester, FK Jr." *Second Handbook of Research on Mathematics Teaching and Learning* (2007).

En artikkel om læring av funksjoner – f.eks. Bell, Alan, and Claude Janvier. "The interpretation of graphs representing situations." *For the learning of mathematics* 2.1 (1981): 34-42