

NEUROMYTHS

Resources

1. Ansari, D. (2015). [Mind, Brain, and Education: A discussion of practical, conceptual, and ethical ssues](#). In *Handbook of neuroethics* (pp. 1703-1719). Netherlands: Springer
2. Antonenko, P. D., van Gog, T., & Paas, F. (2014). [Implications of neuroimaging for educational research](#). In *Handbook of Research on Educational Communications and Technology* (pp. 51-63). Springer New York. [rch](#)
3. Bailey, K. G. (2013). [You, your neurons, and free will: Concerns about reductionism and the popularization of cognitive science](#). Faculty Publications, Paper 2, Part of the Cognitive Neuroscience Commons, Philosophy of Mind Commons, and the Religious Thought, Theology and Philosophy of Religion Commons, Andrews University.
4. Beck, D. M. (2010). [The appeal of the brain in the popular press](#). *Perspectives on Psychological Science*, 5(6), 762-766.
5. Black, J. Looking for a Quick Fix?. Scottish Rite Hospital For children.
6. Button, K. S., Ioannidis, J. P., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S., & Munafò, M. R. (2013). [Power failure: why small sample size undermines the reliability of neuroscience](#). *Nature Reviews Neuroscience*, 14(5), 365-376.
7. Christodoulou, J. (2015). [video]. [Neuromyths](#). [video]. (0:36 minutes). Available

on:

<https://www.youtube.com/watch?v=xiwFTYQqJGE>

8. Crockett, M. (2012). [video]. (11:18 minutes). Available on: http://www.ted.com/talks/molly_crockett_beware_neuro_bunk?language=en
9. Dekker, S., Lee, N. C., Howard-Jones, P., & Jolles, J. (2012). [Neuromyths in education: Prevalence and predictors of misconceptions among teachers](#). *Frontiers in Psychology*, 3.
10. Deligiannidi, K., & Howard-Jones, P. A. (2015). [The neuroscience literacy of teachers in Greece](#). *Procedia-Social and Behavioral Sciences*, 174, 3909-3915.
11. Grant, A. (2015). [Coaching the brain: Neuro-science or neuro-nonsense](#). *Coaching Psychologist*, 11(1), 21-27.
12. Hook, C. J., & Farah, M. J. (2013). [Look again: effects of brain images and mind-brain dualism on lay evaluations of research](#). *Journal of Cognitive Neuroscience*, 25(9), 1397-1405.
13. Hook, C. J., & Farah, M. J. (2013). [Neuroscience for educators: what are they seeking, and what are they finding?](#). *Neuroethics*, 6(2), 331-341.
14. Howard-Jones, P. A. (2014). [Neuroscience and education: myths and messages](#). *Nature Reviews Neuroscience*, 15(12), 817-824.

15. Howard-Jones, P. (2015). *Neuroscience and education: Myths and applications*. [video]. (1:27:44). ONLY minutes 2:40-46:32. Available

on: <https://www.youtube.com/watch?v=UpLoR1rt0-A>

16. Im, S. H. (2015). *The role of an educational psychology course in enhancing neuroscience literacy and reducing beliefs in neuromyths in US and Korean pre-service teachers* (Doctoral dissertation, University of Minnesota).
17. Jarrett, C. (2015). Myths and facts about the brain and learning - LT15 Conference. [video]. (1:01:33). Available

on: https://www.youtube.com/watch?v=oBdiCs_53Bc

18. Jarrett, C. (2014). *Great myths of the brain*. Hoboken, NJ: John Wiley & Sons.
19. Karakus, O. (2013). *The knowledge and misconceptions of primary and secondary school teachers about the brain and their perceptions about neuroscience in education: A mixed methods research to analyse the situation in Turkey in 2013*. (Doctoral dissertation). Bristol, UK: University of Bristol.
20. Keeley, B. L. (2016). *Minds and machines*. In Tibor Solymosi and John R. Shook (eds.), *Neuroscience, neurophilosophy, and pragmatism: Brains at work with the world* (pp.1-6).
21. Lindebaum, D., & Jordan, P. J. (2014). *A critique on neuroscientific methodologies in organizational behavior and management studies*. *Journal of Organizational Behavior*, 35(7), 898-908.
22. Lindell, A. K., & Kidd, E. (2011). *Why right-brain teaching is half-witted: A critique of the misapplication of neuroscience to education*. *Mind, Brain, and Education*, 5(3), 121-127.
23. Masson, S. (2013). *Neuromyths and Education / Les neuromythes et l'éducation*. Université du Québec à Montréal [video]. (7:40 minutes). Available on: <https://vimeo.com/94571413>
24. McCabe, D. P., & Castel, A. D. (2008). *Seeing is believing: The effect of brain images on judgments of scientific reasoning*. *Cognition*, 107(1), 343-352.
25. McCall, L. A. H. (2012). *Brain-based pedagogy in today's diverse classrooms: A perfect fit—But be careful!*. *Delta Kappa Gamma Bulletin*, 78(3), 42-47.
26. Miller, K. (2013). *Neuroscience and education--an outsider's view: Part 2. Practically Primary*, 18(3), 26-30.
27. Morris, J., & Sah, P. (2016). *Neuroscience and education: Mind the gap*. *Australian Journal of Education*, 0004944116652913.
28. Newton, P. M. (2015). *The learning styles myth is thriving in higher education*. *Frontiers in Psychology*, 6.
29. Nouri, A. (2015). *Cognitive neuroscience of foreign language education: Myths and realities*. *Iranian Journal of Research in English Language Teaching*, 3(1), 40-47.
30. Nouri, A. (2016). *The basic principles of research in neuroeducation studies*. *International Journal of Cognitive Research in Science, Engineering and Education (IJCRSEE)*, 4(1), 59-66.

31. Organisation for Economic Co-operation and Development (OECD). (2002). *Understanding the brain: towards a new learning science*. Paris, France: OECD Publishing.
32. Pasquinelli, E. (2013). Slippery slopes. Some considerations for favoring a good marriage between education and the science of the mind–brain–behavior, and forestalling the risks. *Trends in Neuroscience and Education*, 2(3), 111-121.
33. Pasquinelli, E. (2012). Neuromyths: why do they exist and persist?. *Mind, Brain, and Education*, 6(2), 89-96.
34. Pickering, S. J., & Howard-Jones, P. (2007). Educators' views on the role of neuroscience in education: Findings from a study of UK and international perspectives. *Mind, Brain, and Education*, 1(3), 109-113.
35. Rato, J. R., Abreu, A. M., & Castro-Caldas, A. (2013). Neuromyths in education: what is fact and what is fiction for Portuguese teachers?. *Educational Research*, 55(4), 441-453.
36. Rhodes, R. E., Rodriguez, F., & Shah, P. (2014). Explaining the alluring influence of neuroscience information on scientific reasoning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40(5), 1432.
37. Rosen, G. (2012). Beware of "neuromyths". *The Wall Street Journal*, [video]. (5:46 minutes). Available on: <http://www.wsj.com/video/beware-of-neuromyths/165F2669-E50D-446F-829F-52B4A27F1959.html>
38. Smeyers, P. (2016). Neuromyths for educational research and the educational field?. In *Educational Research: Discourses of Change and Changes of Discourse* (pp. 71-86). Springer International Publishing.
39. Sperling, J. (2015). *Neuroscience and learning*. [video]. (5:27 minutes). McKinsley Parters.

Available on:

https://www.youtube.com/watch?v=vp60MMtJ_30

Sylvan, L. &

- Christodoulou, J.A. (2010). Understanding the role of neuroscience in brain-based products: A guide for educators and consumers. *Mind, Brain, and Education*, 4(1), 1-7.
40. Tardif, E., Doudin, P. A., & Meylan, N. (2015). Neuromyths among teachers and student teachers. *Mind, Brain, and Education*, 9(1), 50-59.
 41. Vul, E., Harris, C., Winkielman, P., & Pashler, H. (2009). Puzzlingly high correlations in fMRI studies of emotion, personality, and social cognition. *Perspectives on Psychological Science*, 4(3), 274-290.
 42. Wang, S. (2016). Debunking common brain myths. [video]. (12:13 minutes). Available on: <http://bigthink.com/videos/debunking-common-brain-myths>
 43. Weigmann, K. (2013). Educating the brain. *EMBO reports*, 14(2), 136-139.
 44. Weisberg, D. S., Keil, F. C., Goodstein, J., Rawson, E., & Gray, J. R. (2008). The seductive allure of neuroscience explanations. *Journal of Cognitive Neuroscience*, 20(3), 470-477.
 45. Willingham, D.T. (2008). *Brain based education: Fad or breakthrough*. Retrieved 13 June

2016 from:

<http://www.youtube.com/watch?v=vdJ7JW0LgVs>