

Blended, hybrid, inverted: Buzzwords oder Must-Haves?

References

- Bergmann, J., & Sams, A. (2012). Flip your classroom. Reach every student in every class every day. Eugene, OR: International Society for Technology in Education.
- Bernard, R. M., Borokhovski, E., Schmid, R. F., Tamim, R. M., & Abrami, P. C. (2014). A meta-analysis of blended learning and technology use in higher education: From the general to the applied. *Journal of Computing in Higher Education*, 26(1), 87–122. https://doi.org/10.1007/s12528-013-9077-3
- Bredow, C. A., Roehling, P. V., Knorp, A. J., & Sweet, A. M. (2021). To Flip or Not to Flip? A Meta-Analysis of the Efficacy of Flipped Learning in Higher Education. *Review of Educational Research*, *91*(6), 878–918.
- Cavanaugh, C., Gillan, K. J., Kromrey, J., Hess, M., & Blomeyer, R. (2004). The Effects of Distance Education on K-12 Student Outcomes: A Meta-Analysis. *Learning Point Associates / North Central Regional Educational Laboratory (NCREL)*. https://eric.ed.gov/?id=ed489533
- Chi, M. T. H., & Wylie, R. (2014). The ICAP Framework: Linking Cognitive Engagement to Active Learning Outcomes. *Educational Psychologist*, 49(4), 219–243.
- Cohen, J. (1988). Statistical Power Analysis for the Behavioral Sciences. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Cohen, J. (1992). A Power Primer. Psychological Bulletin, 112(1), 155-159.
- Farmus, L., Cribbie, R. A., & Rotondi, M. A. (2020). The Flipped Classroom in Introductory Statistics: Early Evidence From a Systematic Review and Meta-Analysis. *Journal of Statistics Education*, 28(3), 316–325. https://doi.org/10.1080/10691898.2020.1834475
- Ge, L., Chen, Y., Yan, C., Chen, Z., & Liu, J. (2020). Effectiveness of Flipped Classroom vs Traditional Lectures in Radiology Education: A Meta Analysis. *Medicine*, 99(40), 1–10.
- Handke, J., & Sperl, A. (Eds.). (2012). Das Inverted Classroom Model. Begleitband zur ersten deutschen ICM-Konferenz. München: Oldenbourg.
- Hattie, J., & Timperley, H. (2007). The Power of Feedback. *Review of Educational Research*, 77(1), 81–112.
- Hattie, J. A. C. (2009). Visible Learning. London, New York: Routledge.
- Hew, K. F., & Lo, C. K. (2018). Flipped Classroom Improves Student Learning in Health Professions Education: A Meta-Analysis. *BMC Medical Education*, *18*(38), 1–12.
- Hu, R., Gao, H., Ye, Y., Ni, Z., Jiang, N., & Jiang, X. (2018). Effectiveness of Flipped Classrooms in Chinese Baccalaureate Nursing Education: A Meta-Analysis of Randomized Controlled Trials. *International Journal of Nursing Studies*, 79, 94–103.
- Kapur, M., Hattie, J., Grossman, I., & Sinha, T. (2022). Fail, Flip, Fix, and Feed Rethinking Flipped Learning: A Review of Meta-Analyses and a Subsequent Meta-Analysis. *Frontiers in Education*, 7, 956416.
- Kim, M. K., Kim, S. M., Khera, O., & Getman, J. (2014). The Experience of Three Flipped Classrooms in an Urban University: an Exploration of Design Principles. *The Internet and Higher Education*, 22, 37–50.
- Lage, M. J., Platt, G. J., & Treglia, M. (2000). Inverting the Classroom: A Gateway to Creating an Inclusive Learning Environment. *The Journal of Economic Education*, *31*(1), 30–43.
- Li, B.-Z., Cao, N.-W., Ren, C.-X., Chu, X.-J., Zhou, H.-Y., & Guo, B. (2020). Flipped Classroom Improves Nursing Student's Theoretical Learning in China: A Meta-Analysis. *PLoS ONE*, *15*(8), e0237926.
- Liu, Y.-Q., Li, Y.-F., Lei, M.-J., Liu, P.-X., Theobald, J., Meng, L.-N., Liu, T.-T., Zhang, C.-M., & Jin, C.-D. (2018). Effectiveness of the Flipped Classroom on the Development of Self-Directed Learning in Nursing Education: A Meta-Analysis. *Frontiers of Nursing*, *5*(4), 317–329.
- Loviscach, J. (2020). Digitalisierung der Hochschullehre: Was wissen wir wirklich? In R. Bauer, J. Hafer, S. Hofhues, M. Schiefner-Rohs, A. Thillosen, B. Volk, & K. Wannemacher (Eds.), *Vom E-Learning zur Digitalisierung. Mythen, Realitäten, Perspektiven* (pp. 84–100). Münster, New York: Waxmann.

- Means, B., Toyama, Y., Murphy, R., & Baki, M. (2013). The effectiveness of online and blended learning: A meta-analysis of the empirical literature. Teachers College Record, 115(3), 1-47. https://doi. org/10.1177/016146811311500307
- Neiske, I., & Spannagel, C. (in press). Szenarien digitaler Lehre: online, blended, hybrid und inverted. In N. Vöing (Ed.), Praxishandbuch Hochschullehre (Bnd 2). Bielefeld: transcript.
- Praetorius, A.-K., Klieme, E., Herbert, B., & Pinger, P. (2018). Generic Dimensions of Teaching Quality: the German Framework of Three Basic Dimensions. ZDM, 50, 407-426.
- Roediger, H. L., III, & Karpicke, J. D. (2006). The Power of Testing Memory. Perspectives on Psychological Science, 1(3), 181-210.
- Rowland, C. A. (2014). The Effect of Testing Versus Restudy on Retention: A Meta-Analytic Review of the Testing Effect. Psychological Bulletin, 140(6), 1432-1463.
- Shi, Y., Ma, Y., MacLeod, J., & Yang, H. H. (2020). College Students' Cognitive Learning Outcomes in Flipped Classroom Instruction: A Meta-Analysis of the Empirical Literature. Journal of Computers in Education, 7(1), 79-103.
- Strelan, P., Osborn, A., & Palmer, E. (2020). The Flipped Classroom: A Meta-Analysis of Effects on Student Performance Across Disciplines and Education Levels. Educational Research Review,
- Tan, C., Yue, W.-G., & Fu, Y. (2017). Effectiveness of Flipped Classrooms in Nursing Education: Systematic Review and Meta-Analysis. Chinese Nursing Research, 4, 192-200.
- van Alten, D. C. D., Phielix, C., Janssen, J., & Kester, L. (2019). Effects of Flipping the Classroom on Learning Outcomes and Satisfaction: A Meta-Analysis. Educational Research Review, 28, 100281.
- Vo, H. M., Zhu, C., & Diep, N. A. (2017). The effect of blended learning on student performance at course-level in higher education: A meta-analysis. Studies in Educational Evaluation, 53, 17-28. https://doi.org/10.1016/j.stueduc.2017.01.002
- Xu, P., Chen, Y., Nie, W., Wang, Y., Song, T., Li, H., Li, J., Yi, J., & Zhao, L. (2019). The Effectiveness of a Flipped Classroom on the Development of Chinese Nursing Students' Skill Competence: A Systematic Review and Meta-Analysis. Nurse Education Today, 80, 67-77.
- Yang, C., Luo, L., Vadillo, M. A., Yu, R., & Shanks, D. R. (2021). Testing (Quizzing) Boosts Classroom Learning: A Systematic and Meta-Analytic Review. Psychological Bulletin, 147(4), 399-435.
- Zhang, Q., Cheung, E. S. T., & Cheung, C. S. T. (2021). The Impact of Flipped Classroom on College Students' Academic Performance: A Meta-Analysis Based on 20 Experimental Studies. Science Insights Education Frontiers, 8(2), 1059-1080.
- Zhao, Y., Lei, J., Lai, B. Y. C., & Tan, H. S. (2005). What Makes the Difference? A Practical Analysis of Research on the Effectiveness of Distance Education. Teachers College Record, 107(8), 1836-1884.



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