

REFERENCES

- Baran-Lucarz, Małgorzata, and Anna Klimas. "Developing 21st Century Skills in a Foreign Language Classroom: EFL Student Teachers' Beliefs and Self-Awareness." *Academic Journal of Modern Philology* 10 (2020): 23–38.
- Barrows, H S. *How to Design a Problem-Based Curriculum for the Preclinical Years*. Medical Education Series. Springer Publishing Company, 1985.
- Barrows, H S, and B S N Robyn M. Tamblyn. *Problem-Based Learning: An Approach to Medical Education*. Springer Series on Medical Education. Springer Publishing Company, 1980.
- Berg, B L, and H Lune. *Qualitative Research Methods for the Social Sciences*. Always Learning. Pearson, 2014.
- Chu, H. *Research Methods and Design Beyond a Single Discipline: From Principles to Practice*. Taylor & Francis, 2024.
- Delisle, R. *How to Use Problem-Based Learning in the Classroom*. ASCD, 1997.
- Dewey, J. *How We Think*. Dover Books on Western Philosophy. Dover Publications, 1997.
- Guthrie, Elizabeth M. " Richards, Jack C. and Theodore S. Rogers, Approaches and Methods in Language Teaching: A Description and Analysis . Cambridge: Cambridge University Press, 1986 ." *The Canadian Modern Language Review* 44, no. 3 (1988): 551–551. <https://doi.org/10.3138/cmlr.44.3.551>.
- Hennink, M, I Hutter, and A Bailey. *Qualitative Research Methods*. SAGE Publications, 2010.
- Ilma, Arina Zaida, Insih Wilujeng, Muhammad Nurtanto, and Nur Kholifah. "A Systematic Literature Review of STEM Education in Indonesia (2016-2021): Contribution to Improving Skills in 21st Century Learning." *Pegem Journal of Education and Instruction* 13, no. 2 (2023): 134–46.
- Johnson, D W, R T Johnson, and E J Holubec. *Cooperative Learning in the Classroom*. Association for Supervision and Curriculum Development, 1994.

- Mariano, G J, and F J Figliano. *Handbook of Research on Critical Thinking Strategies in Pre-Service Learning Environments*. Advances in Higher Education and Professional Development (2327-6983). IGI Global, 2019.
- Mayer, R E. *Multimedia Learning*. Cambridge University Press, 2009.
- Saracho, O. *Handbook of Research Methods in Early Childhood Education - Volume 2: Review of Research Methodologies*. Contemporary Perspectives in Early Childhood Education. Information Age Publishing, 2014.
- Schmidt, H G, H Mahler, M J Lipkin, M W de Vries, and J M Greep. *New Directions for Medical Education: Problem-Based Learning and Community-Oriented Medical Education*. Frontiers of Primary Care. Springer New York, 2012.
- Schwab, K. *The Fourth Industrial Revolution*. Penguin Books Limited, 2017.
- Siemens, G. "A Learning Theory for the Digital Age." *Elearnspace Everything Learning*, 2005, 1–8.
- Siyoto, S, and M A Sodik. *Dasar Metodologi Penelitian*. Literasi Media Publishing, 2015.
- Slavin, R E. *Educational Psychology: Theory and Practice*. MyLabSchool Series. Pearson/Allyn & Bacon, 2006.
- Spector, J M, M D Merrill, J Elen, and M J Bishop. *Handbook of Research on Educational Communications and Technology*. Springer New York, 2013.
- Sternberg, R J, and D F Halpern. *Critical Thinking in Psychology*. Cambridge University Press, 2020.
- Tosuncuoglu, Irfan. "Place of Critical Thinking in EFL." *International Journal of Higher Education* 7, no. 4 (July 16, 2018): 26. <https://doi.org/10.5430/ijhe.v7n4p26>.
- Vygotsky, L S. *Mind in Society: The Development of Higher Psychological Processes*. Harvard University Press, 1980.
- Vygotsky, L S, and M Cole. *Mind in Society: Development of Higher Psychological Processes*. Harvard University Press, 1978.
- Wood, Diana F. "Problem Based Learning." *BMJ* 326, no. 7384 (2003): 328–30. <https://doi.org/10.1136/bmj.326.7384.328>.

Yildiz, Rauf. "Handbook of Research on Educational Communications and Technology." *Contemporary Educational Technology* 1, no. 1 (2020): 60–83. <https://doi.org/10.30935/cedtech/5962>.