

REFERENCES

- Albert, C. N., Mihai, M., & Mudure-Iacob, I. (2022). Visual Thinking Strategies—Theory and Applied Areas of Insertion. *Sustainability*, 14(12), 7195. <https://doi.org/10.3390/su14127195>
- Bachtiar., Juhana., & Pratiwi, W.R. (2024). Indonesian English language teachers' conception of critical thinking: challenge and strategy. *International Journal of Evaluation and Research in Education (IJERE)*, 13(1), 617–625. <https://doi.org/10.11591/ijere.v13i1.26467>
- Billups, F. D. (2021). *Qualitative data collection tools: Design, development, and applications* (D. L. Morgan, Series Ed.). SAGE Publications.
- Bhat, S. A., & Alyahya, S. (2023). Infographics in Educational Settings: A Literature Review. *IEEE Access*, 12, 1633–1649. <https://doi.org/10.1109/ACCESS.2023.3348083>
- Chang, H. Y., Chang, Y. J., & Tsai, M. J. (2024). Strategies and difficulties during students' construction of data visualizations. *International Journal of STEM Education*, 11(1). <https://doi.org/10.1186/s40594-024-00463-w>
- Cohen, L., Manion, L., & Morrison, K. (2018). *Research Methods in Education* (8th ed.). Routledge.
- Connors, C., & Piro, J. S. (2024). Visual Thinking Strategies as Humanistic Education: A Qualitative Study of Teachers Using VTS. *International Journal of Changes in Education*. <https://doi.org/10.47852/bonviewIJCE42022990>
- Creswell, J. W., & Poth, C. N. (2018). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches* (4th ed.). SAGE Publications.
- Creswell, J. W., & Creswell, J. D. (2023). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches* (6th ed.). SAGE Publications.
- Deltalogix. (2021, December 3). *Smart city and sustainability: What will be the next challenges?* Deltalogix Blog. Retrieved March 5th, 2025, from <https://deltalogix.blog/en/2021/12/03/smart-city-and-sustainability-what-will-be-the-next-challenges/>
- Dhari, A. W., & Maisarah, I. (2025). Integrating Critical Thinking into Indonesia's EFL Curriculum: Insights from Bengkulu Teachers. *Journal of English for Specific Purposes in Indonesia*, 4(1), 1–5. <https://doi.org/10.33369/espindonesia.v4i1.34754>

- Facione, P. A. (1990). *Critical Thinking: A Statement of Expert Consensus for Purposes of Educational Assessment and Instruction. Research Findings and Recommendations* (ED315423). ERIC. <https://eric.ed.gov/?id=ED315423>
- Gholam, A. (2019). Visual Thinking Routines: Classroom Snapshots. *Athens Journal of Education*, 6(1), 53–76. <https://doi.org/10.30958/aje.6-1-4>
- Gibbs, G. R. (2007). *Analyzing qualitative data*. SAGE Publications.
- Golden, B. (2023). Enabling critical thinking development in higher education through the use of a structured planning tool. *Irish Educational Studies*, 42(4), 949–969. <https://doi.org/10.1080/03323315.2023.2258497>
- Hadley, J., & Boon, D. (2023). *Critical thinking*. Routledge.
- Hailey, D., Miller, A., & Yenawine, P. (2015). Understanding Visual Literacy: The Visual Thinking Strategies Approach. In *Essentials of Teaching and Integrating Visual and Media Literacy* (pp. 49–73). Springer International Publishing. https://doi.org/10.1007/978-3-319-05837-5_3
- Halimatussa'diah, & Mustadi, A. (2019). Application of Visual Thinking Technique to Improve Students' Critical Thinking Skills. *KnE Social Sciences*, 3(10), 62–70. <https://doi.org/10.18502/kss.v3i10.3888>
- Housen, A. C. (2002). Aesthetic Thought, Critical Thinking and Transfer. *Arts and Learning Research*, 18(1), 99–132.
- Housen, A. (2007). Art viewing and aesthetic development: Designing for the viewer. In P. Villeneuve (Ed.), *Periphery to center: Art museum education in the 21st century* (pp. 172–189). Reston: National Art Education Association.
- Huyen, N. T. D., & Lam, P. T. (2025). THE IMPACT OF VISUAL THINKING STRATEGY ON ENGLISH LANGUAGE MAJORS' ORAL COMMUNICATION PROFICIENCY. *Hanoi University Open Journal of Science*, 124, 55–63. <https://doi.org/10.59266/houjs.2025.537>
- Indrašienė, V., Jegelevičienė, V., Merfeldaitė, O., Penkauskienė, D., Pivorienė, J., Railienė, A., Sadauskas, J., & Valavičienė, N. (2021). The Value of Critical Thinking in Higher Education and the Labour Market: The Voice of Stakeholders. *Social Sciences*, 10(8), 286. <https://doi.org/10.3390/socsci10080286>
- Islamuddin, R., Amaerita Telaumbanua, Y., Laoli, A., Piawawan Zebua, E., Gunungsitoli, K., & Utara, S. (2023). Analysis of The Application of Video Learning Media on Students' Learning Interest at The Tenth Grade of SMA

Negeri 1 Gunungsitoli in 2022/2023. *Journal on Education*, 06(1), 8375–8386.

Khalil, E. R. (2024). The Effect of Visual Thinking Strategies on Iraqi EFL Students' Communication Skills. *Journal of the College of Education for Women*, 35(3), 24–42. <https://doi.org/10.36231/coedw.v35i3.1750>

Kumar, M. J. (2024). The Imperative of Critical Thinking in Higher Education. *IETE Technical Review*, 41(5), 509–510. <https://doi.org/10.1080/02564602.2024.2390290>

Liando, N. V. F., Tatipang, D. P., Tamboto, G., Poluan, M., & Manuas, M. (2022). Pictures as a Learning Media in Teaching Vocabulary. *Jurnal Ilmiah Universitas Batanghari Jambi*, 22(3), 1944. <https://doi.org/10.33087/jiubj.v22i3.2832>

Marin, M. A., & de la Pava, L. (2017). Conceptions of Critical Thinking from University EFL Teachers. *English Language Teaching*, 10(8), 78–88. <https://doi.org/10.5539/elt.v10n7p78>

Meyer, T., & Clark-Gareca, B. (2023). VTS: From the Museum into the ENL Classroom. *Babylonia Journal of Language Education*, 3, 64–70. <https://doi.org/10.55393/babylonia.v3i.286>

Murphy, J., Swartzwelder, K., Serembus, J. S., Roch, S., Maheu, S., Rockstraw, R., & Alyssa, L. (2021). Text-Based Versus Video Discussion to Promote a Sense of Community: An International Mixed-Methods Study. *The Journal of Educators Online*, 18(3). <https://doi.org/10.9743/JEO.2021.18.3.4>

Newman, E. J., & Schwarz, N. (2024). Misinformed by images: How images influence perceptions of truth and what can be done about it. *Current Opinion in Psychology*, 56, 101778. <https://doi.org/10.1016/j.copsyc.2023.101778>

Nolan, S. (2022). VTS in the English language classroom in Sweden. *Educare*, 4, 127–144. <https://doi.org/10.24834/educare.2022.4.6>

Nolan, S. (2023). Visual thinking strategies as a pedagogical tool: initial expectations, applications, and perspectives in Denmark. *Journal of Visual Literacy*, 42(3), 210–227. <https://doi.org/10.1080/1051144X.2023.2261222>

Nolan, S. (2024). *Visual Thinking Strategies for Reading Engagement: Adapting Lessons from Denmark to English Language Learning*. <https://www.researchgate.net/publication/386087173>

Paul, R., & Elder, L. (2014). *Critical thinking: Tools for Taking Charge of Your*

Professional and Personal Life. Pearson Education.

Project Zero. (2011). *What makes you say that?* Harvard Graduate School of Education.

https://pz.harvard.edu/sites/default/files/What%20Makes%20You%20Say%20That_2.pdf

Project Zero. (2019). *Lenses for dialogue*. Harvard Graduate School of Education.

https://pz.harvard.edu/sites/default/files/Lenses%20for%20Dialogue_0.pdf

Project Zero. (2019). *Thinking with images*. Harvard Graduate School of Education.

<https://pz.harvard.edu/sites/default/files/Thinking%20With%20Images%20-%20Exploring%20Complexity.pdf>

Project Zero. (2022). *See, think, wonder*. Harvard Graduate School of Education.

https://pz.harvard.edu/sites/default/files/See%20Think%20Wonder_3.pdf

Rehs Galleries, Inc. (n.d.). *Arthur J. Elsley - Hide & Seek*. Retrieved March 5th, 2025, from https://rehs.com/Arthur_J_Elsley_Hide_&_Seek.html

Smolkowski, K., Strycker, L. A., Anderson, L., Marconi, P., & Abia-Smith, L. (2020). The Visual Thinking Strategies Approach to Teaching Argument Writing. *The Elementary School Journal*, 121(1), 100–124. <https://doi.org/10.1086/709984>

Suryani, L., & Andriyanti, N. (2025). *Suryani, L., & Andriyanti, N. (2025). Implementasi media pembelajaran berbasis visual thinking strategy dalam membangun berpikir kritis anak usia dini. Jurnal EDUCA. 11(1).*

The New York Times. (2020, September 30). *Images from four more years of “What’s going on in this picture?”* The New York Times. Retrieved March 5th, 2025, from <https://www.nytimes.com/slideshow/2020/09/30/learning/images-from-four-more-years-of-whats-going-on-in-this-picture/s/VTS02-12-18LN.html>

Tight, M. (2022). Designing case studies. In U. Flick (Ed.), *The SAGE handbook of qualitative research design* (pp. 399–413). SAGE Publications.

UNESCO. (2017). *Data visualizations from the Global Education Monitoring Report 2017*. Retrieved July 2nd, 2025, from <https://gem-report-2017.unesco.org/en/dataviz/>

van Leeuwen, J. E. P., Crutch, S. J., & Warren, J. D. (2023). Thinking eyes: visual thinking strategies and the social brain. *Frontiers in Psychology*, 14. <https://doi.org/10.3389/fpsyg.2023.1222608>

- Wilkerson, M. H., Kim, J., Lee, H. S., Stokes, D. J., & Ferrell, M. (2025). How Teachers Envision Using Data Visualization Discussion Tasks in Classroom Instruction. In *International Journal of Science and Mathematics Education*. Springer Nature Singapore. <https://doi.org/10.1007/s10763-024-10521-y>
- Wilson, K., & Defianty, M. (2024). The critical challenge for ELT in Indonesia: Overcoming barriers in fostering critical thinking in testing-oriented countries. *TESOL in Context*, 33(1). <https://doi.org/10.21153/tesol2024vol33no1art2011>
- Yenawine, P. (1999, September 27–29). Theory into Practice: Visual Thinking Strategies [Conference presentation]. Aesthetic and Art Education: A Transdisciplinary Approach, Lisbon, Portugal. <https://vtshome.org/wp-content/uploads/2016/08/9Theory-into-Practice.pdf>
- Yenawine, P. (2013). Permission to Wonder. Visual Thinking Strategies: *Using Art to Deepen Learning Across School Disciplines* (pp. 1–22). Harvard Education Press.
- Yenawine, P. (2013). Visual Thinking Strategies: The Basics. *Using Art to Deepen Learning Across School Disciplines* (pp. 23–48). Harvard Education Press.
- Yenawine, P. (2019). Art in School: As Essential as Language. *American Educator*, 43(1), 22–27
- Yeom, E. Y. (2018). How Visual Thinking Strategies Using Picture Book Images can Improve Korean Secondary EFL Students' L2 Writing. *English Teaching*, 73(1), 23–47. <https://doi.org/10.15858/engtea.73.1.201803.23>
- Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods* (6th ed.). SAGE Publications.
- Zhao, C., Pandian, A., & Mehar Singh, M. K. (2016). Instructional Strategies for Developing Critical Thinking in EFL Classrooms. *English Language Teaching*, 9(10), 14. <https://doi.org/10.5539/elt.v9n10p14>