## **Works Cited**

- Burgin, S. R. (2020). A three-dimensional conceptualization of authentic inquiry-based practices: a reflective tool for science educators. *International Journal of Science Education*, 42(9), 1,465–1,484.
- Carlsen, W. S. (1988). The effects of science teacher subject-matter knowledge on teacher questioning and classroom discourse [Unpublished doctoral dissertation]. Stanford University.
- Chatterjee, S., Williamson, V. M., McCann, K., & Peck, M. L. (2009). Surveying students' attitudes and perceptions toward guided-inquiry and open-inquiry laboratories. *Journal of Chemical Education*, 86(12), 1,427.
- Chiu, M. M. (2008). Flowing toward correct contributions during group problem solving: A statistical discourse analysis. *Journal of the Learning Sciences*, 17(3), 415—463.
- Darling-Aduana, J. (2021). Development and validation of a measure of authentic online work. *Educational Technology Research and Development*, 69(3), 1,729–1,752. https://doi.org/10.1007/s11423-021-10007-6
- Gibbs, J. (2006). Reaching all by creating tribes learning communities. CenterSource Systems.
- Gillies, R. (2016). Cooperative learning: Review of research and practice. *Australian Journal of Teacher Education*, 41(3), 39–54. https://doi.org/10.14221/ajte.2016v41n3.3
- Harris, C. J., Phillips, R. S., & Penuel, W. R. (2012). Examining teachers' instructional moves aimed at developing students' ideas and questions in learner-centered science classrooms. *Journal of Science Teacher Education*, 23(7), 769–788.
- Kellen, K., & Antonenko, P. (2018). The role of scaffold interactivity in supporting self-regulated learning in a community college online composition course. *Journal of Computing in Higher Education*, 30, 187–210.
- Kenyon, E. (2020). Critical inquiry into moments of historical change: Fostering broader understandings of citizenship. *The Social Studies*, 111(5), 219–225. https://doi.org/10.1080/00377996.2020.1740968
- Kranzfelder, P., Bankers-Fulbright, J. L., García-Ojeda, M. E., Melloy, M., Mohammed, S., & Warfa, A.-R. M. (2019). The classroom discourse observation protocol (CDOP): A quantitative method for characterizing teacher discourse moves in undergraduate stem learning environments. *PLOS ONE*, 14(7). https://doi.org/10.1371/journal.pone.0219019
- Kruse, J., Kent-Schneider, I., Voss, S., Zacharski, K., & Rockefeller, M. (2021). Investigating student nature of science views as reflections of authentic science. *Science & Education*, *30*(5), 1,211–1,231. https://doi.org/10.1007/s11191-021-00231-0
- Kuhlthau, C. C., Maniotes, L. K., & Caspari, A. K. (2015). *Guided inquiry: Learning in the 21st century*. ABC-CLIO. Lawson, A. P., & Mayer, R. E. (2021). Benefits of writing an explanation during pauses in multimedia lessons. *Educational Psychology Review*, 33, 1,859–1,885. https://doi.org/10.1007/s10648-021-09594-w
- Ligozat, F., Lundqvist, E., & Amade-Escot, C. (2017). Analysing the continuity of teaching and learning in classroom actions: When the Joint Action Framework in Didactics meets the pragmatist approach to classroom discourses. *European Educational Research Journal, 17*(1), 147–169. https://doi.org/10.1177/1474904117701923
- Lillydahl, D. (2015). Questioning questioning: Essential questions in English classrooms. *The English Journal*, 104(6), 36–39.
- McTighe, J., & Wiggins, G. (2013). Essential questions: Opening doors to student understanding. ASCD.
- Michaels, S., O'Connor, C., & Resnick, L. (2008). Deliberative discourse idealized and realized: Accountable talk in the classroom and in civic life. *Studies in Philosophy and Education*, 27(4), 283–297.

- Nachtigall, V., Shaffer, D. W., & Rummel, N. (2022). Stirring a secret sauce: A literature review on the conditions and effects of authentic learning. *Educational Psychology Review*, 34(3), 1,479–1,516. https://doi.org/10.1007/s10648-022-09676-3
- Newmann, F. M., Bryk, A., & Nagaoka, J. (2001). Authentic intellectual work and standardized tests: Conflict or coexistence? *Improving Chicago Schools*, 1–41.
- Pang, V. O., Alvarado, J. L., Preciado, J. R., & Schleicher, A. R. (2021). Culturally relevant education: Think local within a holistic orientation. *Multicultural Perspectives*, 23(1), 3–16.
- Rule, A. (2006). The components of authentic learning. *Journal of Authentic Learning*, 3(1), 1–10.
- Schmid, S., & Bogner, F. X. (2015). Effects of students' effort scores in a structured inquiry unit on long-term recall abilities of content knowledge. *Education Research International*, 2015. https://doi.org/10.1155/2015/826734
- Singer, A., Montgomery, G., & Schmoll, S. (2020). How to foster the formation of STEM Identity: Studying diversity in an authentic learning environment. *International Journal of STEM Education*, 7(1). https://doi.org/10.1186/s40594-020-00254-z
- van de Pol, J., Volman, M., Oort, F., & Beishuizen, J. (2015). The effects of scaffolding in the classroom: Support contingency and student independent working time in relation to student achievement, task effort and appreciation of support. *Instructional Science*, 43, 615–641. https://doi.org/10.1007/s11251-015-9351-z
- Vaughn, M. (2020). What is student agency and why is it needed now more than ever? *Theory Into Practice,* 59(2), 109–118. https://doi.org/10.1080/00405841.2019.1702393
- Vlassi, M., & Karaliota, A. (2013). The comparison between guided inquiry and traditional teaching methods. A case study for the teaching of the structure of matter to 8th grade Greek students. *Procedia-Social and Behavioral Sciences*, 93, 494–497.
- Wang, X., Mayer, R. E., Zhou, P., & Lin, L. (2020). Benefits of interactive graphic organizers in online learning: Evidence for generative learning theory. *Journal of Educational Psychology*, 113(5), 1,024–1,037. http://dx.doi.org/10.1037/edu0000606
- Wilhelm, Jeffrey D. (2012). Essential questions. Instructor, 122(3), 24–27.
- Windschitl, M., Thompson, J., & Braaten, M. (2018). Ambitious Science Teaching. Harvard Education Press.