REFERENCES

- Bereiter, C. (2002). *Education and mind in the knowledge age*. Retrieved from https://books.google.com.tw/books/about/Education_and_Mind_in_the_Knowledge_Age .html?id=F68Z3RUYmbUC&redir_esc=y
- Bereiter, C., & Scardamalia, M. (2003). Learning to Work Creatively With Knowledge.

 EARLI Advances in Learning and Instruction Series. In E. De Corte, L. Verschaffel, N. Entwistle, & J. van Merriënboer (Eds.), *Powerful Learning Environments: Unravelling Basic Components and Dimensions* (p. 239). Emerald Group Publishing Limited.
- Bereiter, C., & Scardamalia, M. (2014). Knowledge Building and Knowledge Creation: One Concept, Two Hills to Climb. In S. C. Tan, H. J. So, & J. Yeo (Eds.), *Knowledge Creation in Education* (pp. 35–52).
- Boyd, E. M., & Fales, A. W. (1983). Reflective Learning: Key to Learning from Experience. *Journal of Humanistic Psychology*, 23(2), 99–117.
- Brockbank, A., & McGill, I. (2006). Facilitating Reflective Learning Through Mentoring and Coaching. Retrieved from https://epdf.tips/facilitating-reflective-learning-throughmentoring-amp-coaching.html
- Brookfield, S. D. (2009). Self-Directed Learning. In *International Handbook of Education for the Changing World of Work* (pp. 2615–2627).
- Chen, B., & Hong, H.-Y. (2016). Schools as Knowledge-Building Organizations: Thirty Years of Design Research. *Educational Psychologist*, *51*(2), 266–288.
- Coll, C., Rochera, M. J., & de Gispert, I. (2014). Supporting online collaborative learning in small groups: Teacher feedback on learning content, academic task and social

- participation. Computers & Education, 75, 53-64.
- Comeaux, P., & McKenna-Byington, E. (2003). Computer-mediated communication in online and conventional classrooms: some implications for instructional design and professional development programmes. *Innovations in Education and Teaching International*, 40(4), 348–355. https://doi.org/10.1080/1470329032000128387
- Costa, A. L., & Kallick, B. (2008). Learning Through Reflection. In A. L. Costa & B. Kallick (Eds.), *Learning and Leading with Habits of Mind* (pp. 221–235).
- Denzin, N. K., & Lincoln, Y. S. (2005). Introduction: The Discipline and Practice of Qualitative Research. In N. K. Denzin & Y. S. Lincoln (Eds.), *The Sage handbook of qualitative research* (pp. 1–32).
- DiStefano, A., Rudestam, K. E., & Silverman, R. J. (Robert J. (2004). *Encyclopedia of Distributed Learning*. Retrieved from https://us.sagepub.com/en-us/nam/encyclopedia-of-distributed-learning/book225535
- Egan, J. M., Williams, C., Ellwood, P., & Dixon-Hardy, J. (2013). When Science Meets

 Innovation: a new model of research translation. *The 6th ISPIM Innovation Symposium Innovation in the Asian Century*.
- Ertl, B. (2009). Instructional Support for Distance Education. In *Encyclopedia of Information Science and Technology* (2nd ed., pp. 2072–2077).
- Fischer, F., Bruhn, J., Gräsel, C., & Mandl, H. (2002). Fostering collaborative knowledge construction with visualization tools. *Learning and Instruction*, *12*(2), 213–232.
- Ginsburg, H. P., & Opper, S. (2002). Piaget's theory of intellectual development. *Journal of School Psychology*, 19(1), 94. https://doi.org/10.1016/0022-4405(81)90016-9
- Hong, H.-Y., & Lin, P.-Y. (2019). Elementary students enhancing their understanding of

- energy-saving through idea-centered collaborative knowledge-building scaffolds and activities. *Educational Technology Research and Development*, 67(1), 63–83.
- Hong, H. Y., & Sullivan, F. R. (2009). Towards an idea-centered, principle-based design approach to support learning as knowledge creation. *Educational Technology Research* and *Development*, 57(5), 613–627. https://doi.org/10.1007/s11423-009-9122-0
- Ireri, B. N., Omwenga, E. I., Oboko, R., & Wario, R. (2017). Developing Pedagogical Skills for Teachers: A Learner-Centered Approach for Technology Supported Instructions. In J. Keengwe & G. Onchwari (Eds.), *Handbook of Research on Learner-Centered Pedagogy in Teacher Education and Professional Development* (pp. 128–144).
- Karpicke, J. D., & Roediger, H. L. (2008). The Critical Importance of Retrieval for Learning. Science, 319(5865), 966–968. https://doi.org/10.1126/science.1152408
- Kwok, P. (2009). Knowledge-Building through Collaborative Web-Based Learning

 Community or Ecology in Education. In *Encyclopedia of Multimedia Technology and*Networking, Second Edition (pp. 821–828).
- Lin, K. Y., Hong, H.-Y., & Chai, C. S. (2014). Development and validation of the knowledge-building environment scale. *Learning and Individual Differences*, 30, 124–132.
- Lipponen, L. (2010, April 15). Exploring foundations for computer-supported collaborative learning. 72. https://doi.org/10.3115/1658616.1658627
- Mascolo, M. F. (2009). Beyond Student-Centered and Teacher-Centered Pedagogy: Teaching and Learning as Guided Participation. In *Pedagogy and the Human Sciences* (Vol. 1).

 Retrieved from http://scholarworks.merrimack.edu/phs/vol1/iss1/6
- Mayer, R. E. (2011). Handbook of Research on Learning and Instruction. In *Handbook of Research on Learning and Instruction*. https://doi.org/10.4324/9781315736419

- Michael Caravello, by J., Jiménez, J. R., Kahl, L. J., Brachio, B., & Morote, E.-S. (2015).

 Self-Directed Learning: College Students' Technology Preparedness Change in the Last

 10 Years. In *Journal for Leadership and Instruction*. Retrieved from www.iste.org

Popper, K. (1978). Three Worlds. Michigan.

- Ramsey, C. (2006). Introducing Reflective Learning. Retrieved from http://www.cla.co.uk/.
- Resendes, M., & Dobbie, K. (2017). Knowledge Building Gallery: Teaching for Deep

 Understanding and Community Knowledge Creation (A collection of foundational KB practices and teacher innovations). Ontario.
- Rodgers, C. (2002). Defining Reflection: Another Look at John Dewey and Reflective

 Thinking. *Teachers College Record*, 104(4), 842–866. https://doi.org/10.1111/1467-9620.00181
- Roschelle, J., & Teasley, S. D. (1995). The Construction of Shared Knowledge in

 Collaborative Problem Solving. In *Computer Supported Collaborative Learning* (pp. 69–97). https://doi.org/10.1007/978-3-642-85098-1_5
- Roselli, N. D. (2016). Collaborative learning: Theoretical foundations and applicable strategies to university. *Propósitos y Representaciones*, *4*(1).
- Sadler, T. D. (2004, May). Informal reasoning regarding socioscientific issues: A critical review of research. *Journal of Research in Science Teaching*, Vol. 41, pp. 513–536.
- Scallon, G. (2007). L'évaluation des apprentissages dans une approche par compétences.

 Retrieved from http://mje.mcgill.ca/article/view/8761
- Scardamalia, M, & Bereiter, C. (2006). Knowledge building: Theory, pedagogy, and technology. In K. R. Sawyer (Ed.), *Cambridge Handbook of the Learning Sciences* (pp. 97–118). Cambridge University Press.

- Scardamalia, Marlene. (2002). Collective Cognitive Responsibility for the Advancement of Knowledge. In B. Smith (Ed.), *Liberal Education in a Knowledge Society* (pp. 67–98). Retrieved from http://ikit.org/fulltext/2002CollectiveCog.pdf
- Scardamalia, Marlene, & Bereiter, C. (2002). Technologies for knowledge-building discourse. *Communications of the ACM*, 36(5), 37–41. https://doi.org/10.1145/155049.155056
- Schon, D. A., & DeSanctis, V. (1986). The Reflective Practitioner: How Professionals Think in Action. *The Journal of Continuing Higher Education*, 34(3), 29–30.
- Shadish, W. R., Cook, T. D., & Campbell, D. T. (2002). Experimental and quasi-experimental designs for generalized causal inference. In *Experimental and quasi-experimental designs for generalized causal inference*. Boston, MA, US: Houghton, Mifflin and Company.
- Smith, P. L., & Ragan, T. J. (2005). A Framework for Instructional Strategy Design. In P. L. Smith & T. J. Ragan (Eds.), *Instructional design* (3rd ed., pp. 127–150). Retrieved from http://benhur.teluq.ca/SPIP/ted6210 v3/IMG/pdf/TED6210 Smith 2005.pdf
- Stahl, G., Koschmann, T., & Suthers, D. (2006). Computer-supported collaborative learning:

 An historical perspective. Retrieved from

 http://gerrystahl.net/cscl/CSCL_Chinese_traditional.pdf
- Tarchi, C., Chuy, M., Donoahue, Z., Stephenson, C., Messina, R., & Scardamalia, M. (2013).
 Knowledge Building and Knowledge Forum: Getting Started With Pedagogy and
 Technology. LEARNing Landscapes, 6(2), 385–407. Retrieved from
 https://www.learninglandscapes.ca/index.php/learnland/article/view/Knowledge-Building-and-Knowledge-Forum-Getting-Started-With-Pedagogy-and-Technology
- Thagard, P. (1989). Connectionism and epistemology: Goldman on winner-take-all networks.

- Philosophia, 19(2-3), 189-196. https://doi.org/10.1007/BF02380695
- Yücel, Ü. A., & Usluel, Y. K. (2016). Knowledge building and the quantity, content and quality of the interaction and participation of students in an online collaborative learning environment. *Computers & Education*, 97, 31–48.
- Zheng, L. (2017). *Knowledge Building and Regulation in Computer-Supported Collaborative Learning*. https://doi.org/10.1007/978-981-10-1972-2