

References

- Alves, Anabela & Leao, Celina & Moreira, Francisco & Teixeira, Senhorinha. (2018). Project-Based Learning and its Effects on Freshmen Social Skills in an Engineering Program. <https://doi.org/10.5772/intechopen.7205>
- AICTE, (All India Council of Technical Education) (July 2017) https://www.aicte-india.org/sites/default/files/Model_Curriculum/UG-2/ug-vol2.pdf
- AICTE, (All India Council of Technical Education) (July 2017) <https://facilities.aicte-india.org/dashboard/pages/angulardashboard.php/graphs>
- Asan, Askin; Haliloglu, Zeynep (2005). The Turkish Online Journal of Educational Technology – TOJET July 2005 ISSN: 1303-6521 volume 4 Issue 3 Article 10
- Avitz, Jason (2008). Project Based learning as a Catalyst in Reforming High Schools. <https://eric.ed.gov>
- Beecroft, Pauline C. PhD, RN, FAAN; Kunzman, Lucy MS, RN; Krozek, Charles MN, RN (2001), RN Internship: Outcomes of a One-Year Pilot Program, JONA: The Journal of Nursing Administration.
- Bédard, D. (2012). Problem-based and Project-based Learning in Engineering and Medicine. Interdisciplinary journal of Problem based Learning. <https://doi.org/10.7771/1541-5015.1355>
- Beddoes, Kacey & Jesiek, Brent & Borrego, Maura. (2010). Identifying Opportunities for Collaborations in International Engineering Education Research on Problem- and Project-Based Learning. Interdisciplinary Journal of Problem-based Learning. <https://doi.org/10.7771/1541-5015.1142..>

- Billett, S. (2009). Realizing the educational worth of integrating work experiences in higher education. *Studies in Higher Education*, 34(7), 827–843. <https://doi.org/10.1080/03075070802706561>
- Bilgin, I. &. (2015). The Effects of Project Based Learning on Undergraduate Students' Achievement and Self-Efficacy Beliefs Towards Science Teaching. *Eurasia Journal of Mathematics, Science and Technology Education*. 2015,11 (3), 469-477 <http://dx.doi.org/10.12973/eurasia.2014.1015a>
- Britannica, T. Editors of Encyclopaedia (1998, July 20). Technical education. *Encyclopedia Britannica*. <https://www.britannica.com/topic/technical-education>
- Buchanan, R. Angus (2020, November 18). History of technology. *Encyclopedia Britannica*. <https://www.britannica.com/technology/history-of-technology>
- Buhler, M. M. (02-11-2017). World Construction Industry & Economy, World Economic Forum.
- Cengizhan, S. (2007). The effects of project based and computer assisted instructional designs on those students' who have depended, independent and cooperative learning styles, academic achievement and learning retention. *Journal of Turkish Educational Sciences*, 5(3), 377-401 <https://doi.org/10.47191/ijsshr/v4-i4-40>
- C.Harty, C. G. (2007). The futures of construction; a critical review *Construction Management and Economics of construction future studies*. *Interdisciplinary Journal of Problem-Based Learning*, 11(2). *Construction Management and Economics*. <https://doi.org/10.1080/01446190600879117>
- Chinowsky et.al, P. S. (2006). Developing Knowledge landscape through Project Based Learning. *Journal of Professional Issues in Engineering Education and Practice*. [https://ascelibrary.org/doi/full/10.1061/\(ASCE\)1052-3928\(2006\)132:2\(118\)](https://ascelibrary.org/doi/full/10.1061/(ASCE)1052-3928(2006)132:2(118))

- Cole, K., Means, B., Simkins, M. & F. Tavali. (2002). Increasing student learning through multimedia projects. Virginia, Alexandria (USA): Association for Supervision and Curriculum Development.
- Creghan, C., & Adair-Creghan, K. (2015). The Positive Impact of Project-Based Learning on Attendance of an Economically Disadvantaged Student Population: A Multiyear Study. *Interdisciplinary Journal of Problem-Based Learning*, 9(2). <https://doi.org/10.7771/1541-5015.1496>
- Deborah F. Beard (2007) Assessment of Internship Experiences and Accounting Core Competencies, *Accounting Education*, 16:2, 207-220, <https://doi.org/10.1080/09639280701234625>
- D. Kolb, *Experiential Learning as the Science of Learning and Development*, Englewood Cliffs, NJ, USA, 1984. <http://academic.regis.edu/ed205/Kolb>
- Deborah F. Beard (2007) Assessment of Internship Experiences and Accounting Core Competencies, *Accounting Education*, 16:2, 207-220 <https://doi.org/10.1080/09639280701234625>
- Derya Baser, M. Yasar Ozden & Hasan Karaarslan (2017) Collaborative project-based learning: an integrative science and technological education project, *Research in Science & Technological Education*, 35:2, 131-148, <https://doi.org/10.1080/02635143.2016.1274723>
- Digital Learning, (March 2017) <https://digitalllearning.eletsonline.com/2017/03>
- Dole, Sharon & Bloom, Lisa & Kowalske, Kristy. (2017). Engaged Learning: Impact of PBL and PjBL with Elementary and Middle Grade Students. *Interdisciplinary Journal of Problem-Based Learning*. 11. <https://doi.org/10.7771/1541-5015.1685>.
- E. H. Fini, F. Awadallah, M. M. Parast, and T. Abu-Lebdeh, "The impact of project-based learning on improving student learning outcomes of sustainability concepts in transportation engineering courses," *Eur. J. of Eng. Edu.*, Oct. 2017.

- Edmunds, J., (2017). The Relationship Between Project-Based Learning and Rigor in STEM-Focused High Schools. *Interdisciplinary Journal of Problem-Based Learning*. : <https://doi.org/10.7771/1541-5015.1618>
- English, M. C., & Kitsantas, A. (2013). Supporting Student Self-Regulated Learning in Problem- and Project-Based Learning. *Interdisciplinary Journal of Problem-Based Learning*, 7(2). <https://doi.org/10.7771/1541-5015.1339>
- Entwistle, N. (1997). Contrasting perspectives on learning. In F. Marton, D. Hounsell, & N. Entwistle (Eds.), *The experience of learning: Implications for teaching and studying in higher education* (2nd ed., pp. 3–22). Edinburgh: Scottish Academic Press.
- Fernanda Leite (2016). Project-based learning in a building information modeling for construction management course. *Journal of Information Technology in Construction (ITcon)*, Special issue: 9th AiC BIM Academic Symposium & Job Task Analysis Review Conference, Vol. 21, pg. 164-176, <http://www.itcon.org/2016/11>
- Goldberg, Jay R. and Rank, David B., "A Hands-On, Active Learning Approach to Increasing Manufacturing Knowledge in Engineering Students" (2013). *Biomedical Engineering Faculty Research and Publications*. 129. https://epublications.marquette.edu/bioengin_fac/129
- Gökhan BAŞ, Ömer Beyhan (2010) 'Effects of Multiple Intelligences supported project-based learning (PBL) on students' achievement and attitude towards English lesson'. *International Electronic Journal of Elementary Education* Vol. 2, Issue 3, July 2010
- Gibbs, G., & Coffey, M. (2004). The impact of training of university teachers on their teaching skills, their approach to teaching and the approach to learning of their students. *Active Learning in Higher Education*, 5(1), 87–100 <https://doi.org/10.1177/1469787404040463>

- Gulbahar. Y. and Tinmaz. H, Implementing Project-Based Learning and E-Portfolio Assessment in an Undergraduate Course”, Baskent University, Turkey. (2014) “Implementing Project-Based Learning and E-Portfolio Assessment in an Undergraduate Course”,Baskent University,Turkey
- <https://doi.org/10.1080/15391523.2006.10782462>
- Hashim, Roslan & Mohd Din, Sr Mokhtar Azizi. (2009). Implementing Outcome Based Education Using Project Based Learning at University Malaya. European Journal of Scientific Research ISSN. 26. 1450-216 <http://www.eurojournals.com/ejsr.htm>
- Silyn-Roberts, H. (2012). Writing for science and engineering: Papers, presentations and reports. Newnes.
- Hashim, Roslan & Mohd Din, Sr Mokhtar Azizi. (2009). Implementing Outcome Based Education Using Project Based Learning at University Malaya. European Journal of Scientific Research ISSN. 26. 1450-216.
- Henry, H. R., Tawfik, A. A., Jonassen, D. H., Winholtz, R. A. , & Khanna, S. (2012). “I Know This is Supposed to be More Like the Real World, But Student Perceptions of a PBL Implementation in an Undergraduate Materials Science Course. *Interdisciplinary Journal of Problem-Based Learning*, 6(1). Available at: <https://doi.org/10.7771/1541-5015.1312>
- Issues in college success: The path to career success: High school achievement, certainty of career choice, and college readiness make A difference. (2009). PsycEXTRA Dataset. <https://doi.org/10.1037/e544872012-001>
- J. S. Allen (1978) Thomas Newcomen: A Commemorative Symposium for the 250th Anniversary of his Death, *Transactions of the Newcomen Society*, 50:1, 163-218, <https://doi.org/10.1179/tns.1978.012>

- Kanter, D. E. (2010). Doing the project and learning the content: Designing project-based science curricula for meaningful understanding. *Science Education*, 94 (3), 525-551. <https://doi.org/10.1002/sce.20381>
- Levitt, S., McKeage, A., & Rangachari, P. K. (2013). Drugs, Devices, and Desires: A Problem-based Learning Course in the History of Medicine. *Interdisciplinary Journal of Problem-Based Learning*, 7(1). <https://doi.org/10.7771/1541-5015.1324>
- Gavin, Kenneth. (2011). Case study of a project-based learning course in civil engineering design. *European Journal of Engineering Education*, 36. 547-558. <https://doi.org/10.1080/03043797.2011.624173>.
- Korkmaz, H., & Captain, F. (2002). The impact of the project-based learning approach on academic achievement, academic self-concept and working times of primary school students in science education. *Hacettepe University Faculty of Education Journal*, 2002(22), 91-97.
- Krajcik, J., McNeill, K. L., & Reiser, B. J. (2008). Learning-goals-driven design model: Developing curriculum materials that align with national standards and incorporate project-based pedagogy. *Science Education*, 92(1), 1-32. <https://doi.org/10.1002/sce.20240>
- Lee, P. (2010). The Impacts of a Project-Based Research Course: A Mixed Method Survey of Students, Alumni, and Teachers in Li-Shan High School, Taipei, Taiwan [Master's thesis, Minnesota State University, Mankato]. *Cornerstone: A Collection of Scholarly and Creative Works for Minnesota State University, Mankato*. <https://cornerstone.lib.mnsu.edu/etds/101>
- Lee, Jean & Blackwell, Sue & Drake, Jennifer & Moran, Kathryn. (2014). Taking a Leap of Faith: Redefining Teaching and Learning in Higher Education Through Project-Based Learning. *Interdisciplinary Journal of Problem-Based Learning*, 8. <https://doi.org/10.7771/1541-5015.1426>.

- Lewin, K. and Cartwright, D., 1951. *Field theory in social science*. 1st ed. New York: Harper and Row. <https://doi.org/10.1177/000271625127600135>
- Lou, S.-J., Chou, Y.-C., Shih, R.-C., & Chung, C.-C. (2017). A Study of Creativity in CaC2 Steamship-derived STEM Project-based Learning. *Eurasia Journal of Mathematics, Science and Technology Education*, 13(6), 2387-2404. <https://doi.org/10.12973/eurasia.2017.01231a>
- Malcolm X. (n.d.). AZQuotes.com. Retrieved June 17, 2021, from AZQuotes.com Web site: https://www.azquotes.com/author/9322-Malcolm_X
- Markham, T., Larmer, J., & Ravitz, J. (2003). *A guide to standards-focused project based learning for middle and high school teachers. Introduction To Project Based Learning, A Brief History of PBL* Oakland, California: Wilsted & Taylor Publishing Service.
- Martin, E., Prosser, M., Trigwell, K. et al. What university teachers teach and how they teach it. *Instructional Science* 28, 387–412 (2000). <https://doi.org/10.1023/A:1026559912774>
- Matthew, S.M., Ellis, R.A. & Taylor, R.M. New graduates' conceptions of and approaches to veterinary professional practice, and relationships to achievement during an undergraduate internship programme. *Adv in Health Sci Educ* 16, 167–182 (2011). <https://doi.org/10.1007/s10459-010-9252-5>
- Mergendoller, John & Maxwell, Nan & Bellisimo, Yolanda. (2006). The Effectiveness of Problem-Based Instruction: A Comparative Study of Instructional Methods and Student Characteristics. *Interdisciplinary Journal of Problem-based Learning*. 1. <https://doi.org/10.7771/1541-5015.1026>.
- Meyer, D. K., Turner, J. C., & Spencer, C. A. (1997). Challenge in a mathematics classroom: Students' motivation and strategies in project-based learning. *The Elementary School Journal*, 97(5), 501–521. <https://doi.org/10.1086/461878>

- Mioduser, D., Betzer, N. The contribution of Project-based-learning to high-achievers' acquisition of technological knowledge and skills. *Int J Technol Des Educ* 18, 59–77 (2008). <https://doi.org/10.1007/s10798-006-9010-4>
- Musthak Ahmed Syed , G. Madhuri, Reddy M. Sampath, Condoor Sridhar S. (2018) 'Skill development in freshmen by incorporating project based learning for, "Introduction to Engineering" course' *International Journal of Advanced Science and Technology* Vol. 29, No.4, (2020), pp. 4296 - 4307
- Neuman, W. L. (2007). *Basics of Social Research: Qualitative and Quantitative Approaches* (2nd ed., p. 41). Allyn and Bacon
- Panasan, M. & Nuangchalerm, P. (2010). Learning Outcomes of Project-Based and Inquiry-Based Learning Activities. *Journal of Social Sciences*, 6(2), 252-255. <https://doi.org/10.3844/jssp.2010.252.255>
- Planning Commission, Govt. of India. (2013). In *Twelfth Five-Year plan, 2012-2017*.
- Pieratt, Jennifer R. (2010) "Advancing the Ideas of John Dewey: A Look at the High Tech Schools," *Education and Culture: Vol. 26 : Iss. 2, Article 6*. <http://docs.lib.purdue.edu/eandc/vol26/iss2/art6/>
- Prosser, M., & Trigwell, K. (1999). *Understanding learning and teaching: The experience in higher education*. <https://doi.org/10.1080/03075070701573773>
- Pee, S.H. and Leong, Helene (2005).
- <http://www.cdio.org/knowledge-library/documents/implementing-project-based-learning-using-cdio-concepts>.
- Rodríguez González, César & Fernández Batanero, José. (2016). A review of Problem-Based Learning applied to Engineering. *International Journal on Advances in Education Research*. 3. 1-6.

- <https://doi.org/10.13140/RG.2.2.17113.85604>
- Ronald B. Adler, Lawrence B. Rosenfeld, and Russell F. Proctor II (2017). *Interplay-The Process of Interpersonal Communication*. Oxford University Press.
- Rediff, Get ahead (Oct,2013) <https://www.rediff.com/getahead/report/slide-show-1-career-interview-with-union-minister-for-hrd-m-m-pallam-raju/20131003.html>
- Sari, K., Prasetyo, Z., & Wibowo, W. (2017). Development of science student's worksheet based on project-based learning. *Journal of Science Education Research*, 1(1). <https://doi.org/10.21831/jser.v1i1.16178>
- Shekar, A., (2007) Active learning and reflection in product development engineering education, *European Journal of Engineering Education*, 32:2, 125-133, <https://doi.org/DOI: 10.1080/03043790601118705>
- Smith, R. J. (2021, March 25). Engineering. *Encyclopedia Britannica*. <https://www.britannica.com/technology/engineering>
- Skledar, S. J., Martinelli, B., Wasicek, K., Mark, S., & Weber, R. J. (2009). Training and recruiting future pharmacists through a hospital-based student internship program. *American journal of health-system pharmacy: AJHP : official journal of the American Society of Health-System Pharmacists*, 66(17), 1560–1564. <https://doi.org/10.2146/ajhp080474>
- Swan, K. , Vahey, P. , van 't Hooft, M. , Kratcoski, A. , Rafanan, K. , Stanford, T. , Yarnall, L. , & Cook, D. (2013). Problem-based Learning Across the Curriculum: Exploring the Efficacy of a Cross-curricular Application of Preparation for Future Learning. *Interdisciplinary Journal of Problem-Based Learning*, 7(1). <https://doi.org/10.7771/1541-5015.1307>
- Terry Lam, Larry Ching (2007). An exploratory study of an internship program: The case of Hong Kong students, *International Journal of Hospitality Management*, Volume 26, Issue 2. <https://doi.org/10.1016/j.ijhm.2006.01.001>

- Trigwell, Keith & Prosser, Michael & Waterhouse, Fiona. (1999). Relations Between Teachers' Approaches to Teaching and Students' Approaches to Learning. *Higher Education*. 37.
- <https://doi.org/57-70.10.1023/A:1003548313194>.
- Turns, J., Cuddihy, E., & Guan, Z. (2010). I thought this was going to be a waste of time: How portfolio construction can support student learning from project-based experiences. *Interdisciplinary Journal of Problem-Based Learning*, 4(2). <https://doi.org/10.7771/1541-5015.1125>
- Vahidi et al. (2006). Nursing students and instructors' viewpoints regarding professional abilities of students in internship program at Tabriz University of medical science. *Iranian journal of medical education*, 6(2 (16)), 107-113.
- Watson, J. Garth (2021, March 25). Civil engineering. *Encyclopedia Britannica*. <https://www.britannica.com/technology/civil-engineering>
- World Construction industry, (June 2010) <https://www.economywatch.com/world-construction-industry>
- Wikipedia contributors. (2022, January 26). History of engineering. In *Wikipedia, The Free Encyclopedia*. Retrieved 23:27, January 27, 2022, from https://en.wikipedia.org/w/index.php?title=History_of_engineering&oldid=1068108858
- WikiZercontributors. "[https://en.wikipedia.org/index.php?title=Smeatonian Society of Civil Engineers](https://en.wikipedia.org/index.php?title=Smeatonian_Society_of_Civil_Engineers) & old
- Yam, Lee & Rossini, Peter. (2015). Effectiveness of Project-Based Learning as a Strategy for Property Education. *Pacific Rim Property Research Journal*. 16. 291-313. <https://doi.org/10.1080/14445921.2010.11104306>.
- Yasemin Gülbahar & Hasan Tinmaz (2006) Implementing Project-Based Learning And E-Portfolio Assessment In an Undergraduate Course, *Journal of Research on*

Technology in Education, 38:3, 309-327,
<https://doi.org/10.1080/15391523.2006.10782462>