

References

- Antink-Meyer, A., Bartos, S., Lederman, J. S., & Lederman, N. G. (2016). Using science camps to develop understandings about scientific inquiry – Taiwanese students in a U.S. summer science camp. *International Journal of Science and Mathematics Education*, 14(1), 29-53. <https://doi.org/10.1007/s10763-014-9576-3>
- Aud, S., Hussar, W., Johnson, F., Kena, G., Roth, E., Manning, E., . . . Zhang, J. (2012). *The condition of education 2012 (NCES 2012-045)*. Washington, DC: U.S. Department of Education, National Center for Education Statistics. Retrieved from <http://nces.ed.gov/pubsearch>
- Basham, J. D., & Marino, M. T. (2013). Understanding STEM education and supporting students through Universal Design for Learning. *Teaching Exceptional Children*, 45(4), 8-15.
- Bhattacharyya, S., Mead, T. P., & Nathaniel, R. (2011). The influence of science summer camp on African-American high school students' career choices. *School Science and Mathematics*, 111(7), 345-353. <https://doi.org/10.1111/j.1949-8594.2011.00097.x>
- Bischoff, P. J., Castendyk, D., Gallagher, H., Schaumloffel, J., & Labroo, S. (2008). A science summer camp as an effective way to recruit high school students to major in the physical sciences and science education. *International Journal of Environmental & Science Education*, 3(3), 131-141.
- Brigman, G. A., Webb, L. D., & Campbell, C. (2007). Building skills for school success: Improving the academic and social competence of students. *Professional School Counseling*, 10(3), 279-288. <https://doi.org/10.5330/prsc.10.3.v850256191627227>
- Business-Higher Education Forum (2014). Building the talent pipeline: Policy recommendations for the condition of STEM 2013. BHED/ACT Policy Brief. Retrieved from http://www.bhef.com/sites/default/files/BHEF_2014_ACT_0.pdf
- Cohen, J. (1988). *Statistical power analysis for the behavioural sciences* (2nd ed.). New York: Academic Press.
- Cohen, J. (1990). *Things I learned so far*. *American Psychologist*, 45(12), 1304- 1312. <https://doi.org/10.1037/0003-066X.45.12.1304>
- Cowles, M., & Davis, C. (1982). On the origins of the .05 level of statistical

significance. *American Psychologist*, 37(5), 553-558.

<https://doi.org/10.1037/0003-066X.37.5.553>

Durlak, J. A., Weissberg, P., & Pachan, M. (2010). Meta-analysis of after-school programs that seek to promote personal and social skills in children and adolescents. *American Journal of Community Psychology*, 46, 294-309. Faul, F., Erdfelder, E., Buchner, A., & Lang, A.-G. (2009). Statistical power analyses using G*Power 3.1: Tests for correlation and regression analyses. *Behavior Research Methods*, 41, 1149-1160.

Fields, D. A. (2009). What do students gain from a week at science camps? Youth perceptions and the design of an immersive, research-oriented astronomy camp. *International Journal of Science Education*, 21(2), 151-171. <https://doi.org/10.1080/09500690701648291>

Fisher, K. (2016). *The relationship between extracurricular STEM activities and performance on the Florida science assessment*. Electronic Thesis and Dissertations, 5076, retrieved from <http://stars.library.ucf.edu/etd/5076> Florida Department of Education (2015). Student enrollment. Retrieved from <https://edstats.fldoe.org/SASWebReportStudio/gotoReportSection.do?sectionNumber=1>

Fredricks, J. A., & Eccles, J. S. (2008). Participation in extracurricular activities in the middle school years: Are there developmental benefits for African American and European American youth? *Journal of Youth & Adolescence*, 37(9), 1029-1043. <https://doi.org/10.1007/s10964-008-9309-4>

Gall, M. D., Gall, J. P., & Borg, W.R. (2007). *Educational research*. Boston, MA: Pearson.

Hartung, P.J., Porfeli, E. J., & Vondracek, F. W. (2008). Career adaptability in childhood. *The Career Development Quarterly*, 57, 63-74. *Independent School District No. 12, Centennial, v. Minnesota Department of Education, A08-1600 MN*(2010). <https://doi.org/10.1002/j.2161-0045.2008.tb00166.x>

Israel, M., Maynard, K., & Williamson, P. (2013). Promoting literacy-embedded, authentic STEM instruction for students with disabilities and other struggling learners. *Teaching Exceptional Children*, 45(4), 18-25. <https://doi.org/10.1177/004005991304500402>

- Israel, M., Wang, S., & Marino, M. T. (2015). A multilevel analysis of diverse learners playing life science video games: Interactions between game content, learning disability status, reading proficiency, and gender. *Journal of Research in Science Teaching*, 1-22.
<https://doi.org/10.1002/tea.21273>.
- Laerd Statistics (2016). *Pearson's product-moment correlation using SPSS statistics*. Retrieved from <https://statistics.laerd.com/spss-tutorials/pearsons-product-moment-correlation-using-spss-statistics.php>
- Leddy, M. H. (2010). Technology to advance high school and undergraduate students with disabilities in science, technology, engineering, and mathematics. *Journal of Special Education Technology*, 25(3), 3-8.
<https://doi.org/10.1177/016264341002500302>
- Luehmann, A. L. (2009). Students' perspectives of a science enrichment programme: Out-of-school inquiry as access. *International Journal of Science Education*, 31(13), 1831-1855.
<https://doi.org/10.1080/09500690802354195>
- Mahoney, J. L., Levine, M. D., & Hinga, B. (2010). The development of after-school program educators through university-community partnerships. *Applied Developmental Science*, 14(2), 89-105.
<https://doi.org/10.1080/10888691003704717>
- Marino, M. T., Coyne, M., & Dunn, M. (2010). The effect of technology-based altered readability levels on struggling reader's science comprehension. *Journal of computers in Mathematics and Science Teaching*, 94(1), 5-16.
- Marino, M. T., Gotch, C. M., Israel, M., Vasquez III, E., Basham, J. D., & Becht, K. (2014). *Learning Disability Quarterly*, 37(2), 87-99.
<https://doi.org/10.1177/0731948713503963>
- Marino, M. T., & Hayes, M. T. (2012). Promoting inclusive education, civic scientific literacy, and global citizenship with video games. *Cultural Studies of Science Education* 7(4). 945-954.
<https://doi.org/10.1007/s11422-012-9429-8>
- Montgomery, A. & Mirenda, P. (2014). Teachers' self-efficacy, sentiments, attitudes, and concerns about the inclusion of students with

developmental disabilities. *Exceptional Education International*, 24(1), 18-32.

National Academies of Science, Engineering, and Medicine. (2016). *Barriers and opportunities for 2-year and 4-year STEM degrees: Systemic change to support diverse student pathways*. Washington, DC: The National Academies Press.

National Center for Education Statistics. (2016). *National Educational Longitudinal Study*, 1988.

National Center for Education Statistics. (2011). *NAEP science assessment data, 2000*. Retrieved from <http://nces.ed.gov>

National Research Council. (2011). *Learning science through computer games and simulations* [Report]. Retrieved from http://www.nap.edu/catalog.php?record_id=13078

National Science Board (2016). *Science and engineering indicators*. Arlington, VA: National Science Foundation (NSB-2016-1).

National Science Foundation, National Center for Science and Engineering Statistics (2015). *Women, minorities, and persons with disabilities in science and engineering*. Special Report NSF 15-311. Arlington, VA. Retrieved from <https://www.nsf.gov/statistics/2015/nsf15311/>

Seifert, K., & Espin, C. (2012). Improving reading of science text for secondary students with learning disabilities: Effects of text reading, vocabulary learning, and combined approaches to instruction. *Learning Disability Quarterly*, 35(4), 236-247.

<https://doi.org/10.1177/0731948712444275>

Shields, N., King, M., Corbett, M., & Imms, C. (2104). Is participation among children with intellectual disabilities in outside school activities similar to their typically developing peers? A systematic review. *Developmental Neurorehabilitation*, 17(1), 64-71.

<https://doi.org/10.2109/17518423.836256>

Stefanich, G. P. (2007). *Inclusive science strategies*. Dubuque, IA: Kendall-Hunt Publishing Company.

U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "Public Elementary/Secondary School Universe Survey", 2013-14. Retrieved from <http://nces.ed.gov/programs/stateprofiles/sresult.asp?mode=short&sl=12>

- U.S. Government Accounting Office. (2010). *Students with disabilities: More information and guidance could improve opportunities in physical education and athletics*. (GAO Publication No. 10-519). Washington, D.C.: U.S. Government Printing Office.
- Vandell, D., Reisner, E., & Pierce, K. (2007). *Outcomes linked to high-quality afterschool programs: Longitudinal findings from the study of promising afterschool programs*. Washington, DC: Policy Studies Associates.
- Villanueva, M. G., & Hand, B. (2011). Science for all: Engaging students with special needs in and about science. *Learning Disabilities Research & Practice*, 26, 233-240. <https://doi.org/10.1111/j.1540-5826.2011.00344.x>
- Zimmerman, D. W. (1997). A note of interpretation of the paired-samples t-test. *Journal of Educational and Behavioral Statistics*, 22, 349-360.