

## Information Ethics in the STEM Classroom

### Written References:

Aasheim, C. L., Rutner, P. S., Li, L., & Williams, S. R. (2012). Plagiarism and programming: A survey of student attitudes. *Journal of Information Systems Education, 23*(3), 297-313.

Azoulay, P., Bonatti, A., & Krieger, J. L. (2015). *The Career Effects of Scandal: Evidence from Scientific Retractions*. Cambridge: National Bureau of Economic Research, Inc.  
doi:<http://dx.doi.org/10.3386/w21146>

Baird, C., & Dooley, P. (2014). Ensuring effective student support in higher education alleged plagiarism cases. *Innovative Higher Education, 39*(5), 387-400.  
doi:<http://dx.doi.org/10.1007/s10755-014-9285-4>

Bandara, U., & Wijayathna, G. (2012). Detection of source code plagiarism using machine learning approach. *International Journal of Computer Theory and Engineering, 4*(5), 674. doi:<http://dx.doi.org/10.7763/IJCTE.2012.V4.555>

Berrett, D. (2013). Baruch college adjunct is fired after publicly accusing a student of cheating. *The Chronicle of Higher Education*.

Bradley, E. G. (2015). Using computer simulations and games to prevent student plagiarism. *Journal of Educational Technology Systems, 44*(2), 240-252.

Carpenter, D. D., Harding, T. S., Finelli, C. J., Montgomery, S. M., & Passow, H. J. (2006). Engineering students' perceptions of and attitudes towards cheating. *Journal of Engineering Education, 95*(3), 181-194.

Chaddah, P. (2014). Not all plagiarism requires a retraction. *Nature, 511*(7508), 127.

- Chen, Y., & Van Ullen, M. K. (2011). Helping international students succeed academically through research process and plagiarism workshops. *College & Research Libraries*, 72(3), 209.
- Childers, D., & Bruton, S. (2016). "Should it be considered plagiarism?" Student perceptions of complex citation issues. *Journal of Academic Ethics*, 14(1), 1-17.  
doi:<http://dx.doi.org/10.1007/s10805-015-9250-6>
- Coren, A. (2012). The theory of planned behaviour: Will faculty confront students who cheat? *Journal of Academic Ethics*, 10(3), 171-184. doi:<http://dx.doi.org/10.1007/s10805-012-9162-7>
- Deshpande, S. P., Joseph, J., & Berry, K. (2012). Ethical misconduct of business students: Some new evidence. *American Journal of Business Education (Online)*, 5(6), 719-n/a.
- Divan, A., Bowman, M., & Seabourne, A. (2015). Reducing unintentional plagiarism amongst international students in the biological sciences: An embedded academic writing development programme. *Journal of Further and Higher Education*, 39(3), 358.
- Does detection software solve the plagiarism problem? (2012). *Teaching Professor*, 26(10), 6.
- Emmerton, L., Jiang, H., B.Pharm, & McKauge, L., M.Phil. (2014). Pharmacy students' interpretation of academic integrity. *American Journal of Pharmaceutical Education*, 78(6), 1-119.
- Evering, L. C., & Moorman, G. (2012). Rethinking plagiarism in the digital age. *Journal of Adolescent & Adult Literacy*, 56(1), 35.
- Fanelli, D. (2013). Redefine misconduct as distorted reporting. *Nature*, 494(7436), 149.

- Fanelli, D. (2013). Why growing retractions are (mostly) a good sign. *PLoS Medicine*, *10*(12), e1001563. doi:<http://dx.doi.org/10.1371/journal.pmed.1001563>
- Fanelli, D., Costas, R., & Larivière, V. (2015). Misconduct policies, academic culture and career stage, not gender or pressures to publish, affect scientific integrity. *PLoS One*, *10*(6) doi:<http://dx.doi.org/10.1371/journal.pone.0127556>
- Fearn, H. (2010). Iran's publish 'at any cost' mentality blamed for surge in academic fraud. *The Times Higher Education Supplement: THE*, (1959), 11.
- Fierz, K., Gennaro, S., Dierickx, K., Van Achterberg, T., Morin, K., & De Geest, S. (2014). Scientific misconduct: Also an issue in nursing science? *Journal of Nursing Scholarship*. *46*(4), 271-80.
- Fraser, R. (2014). Collaboration, collusion and plagiarism in computer science coursework. *Informatics in Education*, *13*(2), 179-195.
- Freeman, E., & Lynd-Balta, E. (2010). Developing information literacy skills early in an undergraduate curriculum. *College Teaching*, *58*(3), 109-115.
- Frenken, B. (2013). Beating cheating: Teachers and the capital intellectual crime. *Education Law Journal*, *22*(2), 121-152.
- George, S. L. (2016). Research misconduct and data fraud in clinical trials: Prevalence and causal factors. *International Journal of Clinical Oncology*, *21*(1), 15-21. doi:<http://dx.doi.org/10.1007/s10147-015-0887-3>

- Graham-Matheson, L., & Starr, S. (2013). Is it cheating - or learning the craft of writing? Using Turnitin to help students avoid plagiarism. *Research in Learning Technology*, 21. doi:<http://dx.doi.org/10.3402/rlt.v21i0.17218>
- Greer, K., Swanberg, S., Hristova, M., Switzer, A. T., Daniel, D., & Perdue, S. W. (2012). Beyond the web tutorial: Development and implementation of an online, self-directed academic integrity course at Oakland University. *Journal of Academic Librarianship*, 38(5), 251.
- Gullifer, J. M., & Tyson, G. A. (2014). Who has read the policy on plagiarism? Unpacking students' understanding of plagiarism. *Studies in Higher Education*, 39(7), 1202.
- Gullifer, J., & Tyson, G. A. (2010). Exploring university students' perceptions of plagiarism: A focus group study. *Studies in Higher Education*, 35(4), 463.
- Hadjiargyrou, M. (2015). Scientific misconduct: How best to punish those who consciously violate our profession's integrity? *Journal of Information Ethics*, 24(2), 23-30.
- Hall, S. E. (2011). Is it happening? How to avoid the deleterious effects of plagiarism and cheating in your courses. *Business Communication Quarterly*, 74(2), 179-182.
- Halupa, C., & Bolliger, D. U. (2013). Faculty perceptions of student self-plagiarism: An exploratory multi-university study. *Journal of Academic Ethics*, 11(4), 297-310.  
doi:<http://dx.doi.org/10.1007/s10805-013-9195-6>
- Heckler, N. C., & Forde, D. R. (2015). The role of cultural values in plagiarism in higher education. *Journal of Academic Ethics*, 13(1), 61-75.  
doi:<http://dx.doi.org/10.1007/s10805-014-9221-3>

- Hensley, L. (2013). To cheat or not to cheat: A review with implications for practice. *The Community College Enterprise*, 19(2), 22-34.
- Hensley, L. C., Kirkpatrick, K. M., & Burgoon, J. M. (2013). Relation of gender, course enrollment, and grades to distinct forms of academic dishonesty. *Teaching In Higher Education*, 18(8), 895-907.
- Higbee, J. L., Schultz, J. L., & Sanford, T. (2011). Student perspectives on behaviors that constitute cheating. *Contemporary Issues in Education Research*, 4(10), 1-8.
- Hodgkinson, T., Curtis, H., MacAlister, D., & Farrell, G. (2016). Student academic dishonesty: The potential for situational prevention. *Journal of Criminal Justice Education*, 27(1), 1-18. doi:<http://dx.doi.org/10.1080/10511253.2015.1064982>
- Holt, E. A. (2012). Education improves plagiarism detection by biology undergraduates. *Bioscience*, 62(6), 585-592.
- Holt, E. A., Fagerheim, B., & Durham, S. (2014). Online plagiarism training falls short in biology classrooms. *CBE - Life Sciences Education*, 13(1), 83-89.
- Horrom, T. A. (2012). The perils of copy and paste: Plagiarism in scientific publishing. *Journal of Rehabilitation Research and Development*, 49(8), vii-xii.
- How to stop plagiarism. (2012). *Nature*, 481(7379), 21-23.
- Ison, D. C. (2012). Plagiarism among dissertations: Prevalence at online institutions. *Journal of Academic Ethics*, 10(3), 227-236. doi:<http://dx.doi.org/10.1007/s10805-012-9165-4>

- Ison, D. C. (2014). Does the online environment promote plagiarism? A comparative study of dissertations from brick-and-mortar versus online institutions. *Journal of Online Learning and Teaching*, 10(2), 272-n/a.
- Ison, D. C. (2015). The influence of the internet on plagiarism among doctoral dissertations: An empirical study. *Journal of Academic Ethics*, 13(2), 151-166.  
doi:<http://dx.doi.org/10.1007/s10805-015-9233-7>
- Juyal, D., Thawani, V., & Thaledi, S. (2015). Plagiarism: An egregious form of misconduct. *North American Journal of Medical Sciences*, 7(2), 77-80.  
doi:10.4103/1947-2714.152084
- Kashian, N., Cruz, S. M., Jang, J., & Silk, K. J. (2015). Evaluation of an instructional activity to reduce plagiarism in the communication classroom. *Journal of Academic Ethics*, 13(3), 239-258. doi:<http://dx.doi.org/10.1007/s10805-015-9238-2>
- Kellum, K. K., Mark, A. E., & Riley-Huff, D. (2011). Development, assessment and use of an on-line plagiarism tutorial. *Library Hi Tech*, 29(4), 641-654.  
doi:<http://dx.doi.org/10.1108/07378831111189741>
- Kermek, D., & Novak, M. (2016). Process model improvement for source code plagiarism detection in student programming assignments. *Informatics in Education*, 15(1), 103-126.
- Khalid, A. (2015). Comparison of academic misconduct across disciplines--Faculty and student perspectives. *Universal Journal of Educational Research*, 3(4), 258-268.
- Kiehl, E. M. (2006). Using an ethical decision-making model to determine consequences for student plagiarism. *Journal of Nursing Education*, 45(6), 199-203.

- Kier, C. A. (2014). How well do Canadian distance education students understand plagiarism? *International Review of Research in Open and Distance Learning*, 15(1), 227-248.
- Kutz, E., Rhodes, W., Sutherland, S., & Zamel, V. (2011). Addressing plagiarism in a digital age. *Human Architecture*, 9(3), 15-35.
- Lampert, L. D. (2004). Integrating discipline-based anti-plagiarism instruction into the information literacy curriculum. *Reference Services Review*, 32(4), 347-355.
- Leonard, M., Schwieder, D., Buhler, A., Bennett, D. B., & Royster, M. (2015). Perceptions of plagiarism by STEM graduate students: A case study. *Science and Engineering Ethics*, 21(6), 1587-1608. doi:<http://dx.doi.org/10.1007/s11948-014-9604-2>
- Liu, X., Xu, C., & Ouyang, B. (2015). Plagiarism detection algorithm for source code in computer science education. *International Journal of Distance Education Technologies*, 13(4), 29.
- Löfström, E. (2011). "Does plagiarism mean anything? LOL." Students' conceptions of writing and citing. *Journal of Academic Ethics*, 9(4), 257-275.  
doi:<http://dx.doi.org/10.1007/s10805-011-9145-0>
- Löfström, E., & Kupila, P. (2013). The instructional challenges of student plagiarism. *Journal of Academic Ethics*, 11(3), 231-242. doi:<http://dx.doi.org/10.1007/s10805-013-9181-z>
- Masic, I. (2014). Plagiarism in scientific research and publications and how to prevent it. *Materia Socio-Medica*, 26(2), 141-146.  
doi:<http://dx.doi.org/10.5455/msm.2014.26.141-146>

- Mayer, J., & Bowles-Terry, M. (2013). Engagement and assessment in a credit-bearing information literacy course. *Reference Services Review, 41*(1), 62-79.  
doi:<http://dx.doi.org/10.1108/00907321311300884>
- Mcgrail, E., & Mcgrail, J. P. (2015). Exploring web-based university policy statements on plagiarism by research-intensive higher education institutions. *Journal of Academic Ethics, 13*(2), 167-196. doi:<http://dx.doi.org/10.1007/s10805-015-9229-3>
- Mckibban, A. R., & Burdsal, C. A. (2013). Academic dishonesty: An in-depth investigation of assessing measurable constructs and a call for consistency in scholarship. *Journal of Academic Ethics, 11*(3), 185-197. doi:<http://dx.doi.org/10.1007/s10805-013-9187-6>
- Miller, A., Shoptaugh, C., & Wooldridge, J. (2011). Reasons not to cheat, academic-integrity responsibility, and frequency of cheating. *The Journal of Experimental Education, 79*(2), 169.
- Molnar, K. K., & Kletke, M. G. (2012). Does the type of cheating influence undergraduate students' perceptions of cheating? *Journal of Academic Ethics, 10*(3), 201-212.  
doi:<http://dx.doi.org/10.1007/s10805-012-9164-5>
- Moreno-rueda, G. (2013). How frequently do allegations of scientific misconduct occur in ecology and evolution, and what happens afterwards? *Science and Engineering Ethics, 19*(1), 93-6. doi:<http://dx.doi.org/10.1007/s11948-011-9289-8>
- Moten, J., Jr, Fitterer, A., Brazier, E., Leonard, J., & Brown, A. (2013). Examining online college cyber cheating methods and prevention measures. *Electronic Journal of E-Learning, 11*(2), 139-146.



- Nancy, S. G., & Chester-Fangman, C. (2011). The librarian's role in combating plagiarism. *Reference Services Review*, 39(1), 132-150.  
doi:<http://dx.doi.org/10.1108/00907321111108169>
- Narcissistic students cheat their way up. (2011, 01). *USA Today*, 139, 7-8.
- Natarajan, S. (2015). Plagiarism - one disease, many manifestations. *Indian Journal of Ophthalmology*, 63(4), 299. doi:<http://dx.doi.org/10.4103/0301-4738.158060>
- Newton, F. J., Wright, J. D., & Newton, J. D. (2014). Skills training to avoid inadvertent plagiarism: Results from a randomised control study. *Higher Education Research and Development*, 33(6), 1180-1193.
- O'Hair, R., & Neff, J. (2013). Is there 'Self Plagiarism' and 'Salami' publishing in JASMS? *Journal of the American Society for Mass Spectrometry*, 24(7), 986-987.  
doi:[10.1007/s13361-013-0674-1](http://dx.doi.org/10.1007/s13361-013-0674-1)
- Ohmann, T., & Rahal, I. (2015). Efficient clustering-based source code plagiarism detection using PIY. *Knowledge and Information Systems*, 43(2), 445-472.  
doi:<http://dx.doi.org/10.1007/s10115-014-0742-2>
- Olson, T. (2013). Utilizing online exams and human resources to improve student learning and minimizing academic dishonesty - finds from large section deployment. Paper presented at the 321-XV.
- Owunwanne, D., Rustagi, N., & Dada, R. (2010). Students' perceptions of cheating and plagiarism in higher institutions. *Journal of College Teaching and Learning*, 7(11), 59-68.

- Patrzek, J., Sattler, S., van Veen, F., Grunschel, C., & Fries, S. (2015). Investigating the effect of academic procrastination on the frequency and variety of academic misconduct: A panel study. *Studies in Higher Education, 40*(6), 1014.
- Price, B. (2014). Avoiding plagiarism: Guidance for nursing students. *Nursing Standard (2014+)*, *28*(26), 45. doi:<http://dx.doi.org/10.7748/ns2014.02.28.26.45.e8514>
- Pritchard, S. M. (2013). The rising rate of plagiarism, careless citation practice, bad grammar, and failure to read (and I'm not talking about the students). *Portal: Libraries and the Academy, 13*(4), 339-341.
- Pupovac, V., & Fanelli, D. (2015). Scientists admitting to plagiarism: A meta-analysis of surveys. *Science and Engineering Ethics, 21*(5), 1331-1352.  
doi:<http://dx.doi.org/10.1007/s11948-014-9600-6>
- Quah, C. H., Stewart, N., Lee, J. W., & Chow. (2012). Attitudes of business students' toward plagiarism. *Journal of Academic Ethics, 10*(3), 185-199.  
doi:<http://dx.doi.org/10.1007/s10805-012-9157-4>
- Redman, B., & Caplan, A. (2015). No one likes a snitch. *Science and Engineering Ethics, 21*(4), 813-819. doi:<http://dx.doi.org/10.1007/s11948-014-9570-8>
- Resnik, D. B., & Dinse, G. E. (2013). Scientific retractions and corrections related to misconduct findings. *Journal of Medical Ethics, 39*(1), 46. doi:<http://dx.doi.org/10.1136/medethics-2012-100766>
- Reville, W. (2014, Oct 16). The damage done by research misconduct. *Irish Times*.

- Riemenschneider, C. K., Leonard, L. N. K., & Manly, T. S. (2011). Students' ethical decision-making in an information technology context: A theory of planned behavior approach. *Journal of Information Systems Education*, 22(3), 203-214.
- Roig, M., & Ballew, C. (1994). Attitudes toward cheating of self and others by college students and professors. *The Psychological Record*, 44(1), 3.
- Rush, L. (2014). Learning through play, the old school way: Teaching information ethics to millennials. *Journal of Library Innovation*, 5(2), 1-14.
- Rush, L. (2016, May). Use of social networking site consumer training to teach information literacy threshold concepts. *Journal of Creative Library Practice*, Retrieved from <http://creativelibrarypractice.org/2016/05/31/use-of-social-networking-site-consumer-training-to-teach-information-literacy-threshold-concepts/>
- Sentleng, M. P., & King, L. (2012). Plagiarism among undergraduate students in the Faculty of Applied Science at a South African higher education institution. *South African Journal of Libraries & Information Science*, 78(1), 57-67.
- Shenton, A. K. (2010). This problem of plagiarism... just what can we do about it? *The School Librarian*, 58(2), 73-75.
- Simkin, M. G., & Mcleod, A. (2010). Why do college students cheat? *Journal of Business Ethics*, 94(3), 441-453. doi://dx.doi.org/10.1007/s10551-009-0275-x
- Singh, H., & Bennington, A. J. (2012). Faculty on the frontline. Predicting faculty intentions to address college student plagiarism. *Academy of Educational Leadership Journal*, 16(4), 115-128.

- Singh, S., & Remenyi, D. (2016). Plagiarism and ghostwriting: The rise in academic misconduct. *South African Journal of Science*, *112*(5), 36-42.  
doi:<http://dx.doi.org/10.17159/>
- Sonfield, M. C. (2014). Academic plagiarism at the faculty level: Legal versus ethical issues and a case study. *Journal of Academic Ethics*, *12*(2), 75-87.  
doi:<http://dx.doi.org/10.1007/s10805-014-9205-3>
- Spearman, D. Y. (2014). Citing sources or mitigating plagiarism: Teaching law students the proper use of authority attribution in the digital age. *International Journal of Legal Information*, *42*(2), 177-219.
- Spotts, P. (2012, Oct 02). Fraud in scientific research: It happens, and cases are on the rise. *The Christian Science Monitor*
- Spring, H., & Adams, R. (2013). Combating plagiarism: The role of the health librarian. *Health Information and Libraries Journal*, *30*(4), 337-342.  
doi:<http://dx.doi.org/10.1111/hir.12043>
- Stappenbelt, B. (2012). Plagiarism in mechanical engineering education: A comparative study of international and domestic students. *International Journal of Mechanical Engineering Education*, *40*(1), 24-41.
- Steen, R. G. (2011). Retractions in the scientific literature: Is the incidence of research fraud increasing? *Journal of Medical Ethics*, *37*(4), 249.  
doi:<http://dx.doi.org/10.1136/jme.2010.040923>

- Study shows that students who cheat on tests more likely to seek public office offers little surprise. (2013, Dec 04). *University Wire*
- Sutherland-Smith, W. (2014). Legality, quality assurance and learning: competing discourses of plagiarism management in higher education. *Journal of Higher Education Policy & Management*, 36(1), 29-42. doi:10.1080/1360080X.2013.844666
- Thomas, E. E., & Sassi, K. (2011). An ethical dilemma: Talking about plagiarism and academic integrity in the digital age. *English Journal*, 100(6), 47-53.
- van Zyl, A., & Thomas, A. (2015). Academic honesty: Perceptions of millennial university students and the role of moderating variables. *Koers*, 80(1), 1-15.
- Verdan, A. M., Ingallinera, J. T., & Bhattacharyya, G. (2010). Scientific norms and ethical misconduct: Research towards the design of a course in scientific ethics. *Chemistry Education Research and Practice*, 11(2), 118-123.
- Vieyra, M., & Weaver, K. (2016). The prevalence and quality of source attribution in middle and high school science papers. *Issues in Science & Technology Librarianship*, (83), 1. doi:10.5062/F4FB50Z1
- Voelker, T. A., Love, L. G., & Pentina, I. (2012). Plagiarism: What don't they know? *Journal of Education for Business*, 87(1), 36-41. doi:10.1080/08832323.2011.552536
- Walker, C., & White, M. (2014). Police, design, plan and manage: developing a framework for integrating staff roles and institutional policies into a plagiarism prevention strategy. *Journal of Higher Education Policy & Management*, 36(6), 674-687. doi:10.1080/1360080X.2014.957895

- Walker, M., & Townley, C. (2012). Contract cheating: A new challenge for academic honesty? *Journal of Academic Ethics, 10*(1), 27-44. doi:<http://dx.doi.org/10.1007/s10805-012-9150-y>
- Weiner, S. A. (2014). Who teaches information literacy competencies? Report of a study of faculty. *College Teaching, 62*(1), 5-12.
- Yong, E., Ledford, H., & Van Noorden, R. (2013). 3 ways to blow the whistle. *Nature, 503*(7477), 454-457.
- Youmans, R. J. (2011). Does the adoption of plagiarism-detection software in higher education reduce plagiarism? *Studies in Higher Education, 36*(7), 749.
- Zeek, S. (2011). Teaching the research paper through inquiry-based instruction. *Inquiry, 16*(1), 75-85.

Image References:

Broussard, M., and Oberlin, J. (2013). *Plagiarism Game-Goblin Threat*. Snowden Library, Lycoming College, Williamsport, PA. Web Game. Accessed 6/16/2016. Retrieved from <http://www.lycoming.edu/library/instruction/tutorials/plagiarismGame.aspx>.

Indiana University. (2012 – 2016). How to Recognize Plagiarism: Tutorial and Quiz. Bloomington, IN. Accessed 6/16/2016. Retrieved from <https://www.indiana.edu/~plag/>

Paul Robeson Library. (2012) *Plagiarism: Part 3 of 3*. Developed by the Paul Robeson Library, Rutgers University, Camden, NJ. Web Game. Accessed 6/16/2016. Retrieved from <http://library.camden.rutgers.edu/EducationalModule/Plagiarism/citeisright.html>

Smith, K. (2016) *Steal this book?* Scholarly Communications @ Duke: Duke's source for advice and information about copyright and publications issues blog. Duke University, Durham, NC 2/11/2016. Accessed 6/16/2016. Retrieved from <http://blogs.library.duke.edu/scholcomm/2016/02/11/steal-this-book/>

Wagner, D. (2012, August 24). Researcher, Peer Review Thyself [Digital image]. Accessed June 16, 2016. Retrieved from <https://www.theatlantic.com/technology/archive/2012/08/researcher-peer-review-thyself/324317/>