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Readings in Undergraduate Research – A Primer

- Kuh, George D. 2008. High-Impact Educational Practices: What They Are, Who Has Access to Them, and Why They Matter. Association of American Colleges and Universities.
 - *The granddaddy of them all. While it covers multiple types of high-impact practices, research is prominent. Well worth a read.*

- Osborn, Jeffrey M., and Kerry K. Karukstis. 2009. “The Benefits of Undergraduate Research, Scholarship, and Creative Activity.” In *Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact*, ed. Mary K. Boyd and Jodi L. Wesemann, 41–53. Washington, DC: Council on Undergraduate Research.
- Russell, Susan H., Mary P. Hancock, and James McCullough. 2007. “Benefits of Undergraduate Research Experiences.” *Science* 316: 548–549.
<https://doi.org/10.1126/science.1140384>
 - *Two good looks at the benefits and impact that research has on undergraduate students.*

- Edward Coyle, Julia Sonnenberg-Klein “A Pathway to Systemic Reform: VIP Programs and the VIP Consortium” *SPUR* (2025) 8 (3)
doi:10.18833/spur/8/3/9
 - *A good introduction to Vertically Integrated Projects (VIPs). Something many faculty are already doing, but might not be aware.*

- Haeger, Heather, Elia Hilda Bueno, and Quentin Sedlacek. 2024. “Participation in Undergraduate Research Reduces Equity Gaps in STEM Graduation Rates.” *CBE–Life Sciences Education* 23(1): 1–12.
<https://doi.org/10.1187/cbe.22-03-0061>

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- *The topic of equity and access are often discussed when talking about undergraduate research. This article sheds light on one important aspect of increasing both, graduation rates.*
- Auchincloss, Lisa Corwin, Sandra L. Laursen, Janet L. Branchaw, Kevin Eagan, Mark Graham, David I. Hanauer, Gwendolyn Lawrie, et al. 2014. “Assessment of Course-Based Undergraduate Research Experiences: A Meeting Report.” CBE—Life Sciences Education 13(1): 29–40. doi: 10.1187/cbe.14-01-0004
 - *A recent look at Course-Based Undergraduate Research Experiences (CUREs) quite the hot topic in UR the past few years.*
- Kelly Kistner, Erin M. Sparck, Amy Liu, Hannah Whang Sayson, Marc Levis-Fitzgerald, and Whitney Arnold. Academic and Professional Preparedness: Outcomes of Undergraduate Research in the Humanities, Arts, and Social Sciences SPUR (2021) 4 (4): <https://doi.org/10.18833/spur/4/4/1>
 - *Even though it is changing, much of the discussion of undergraduate research revolves around the STEM fields. This article offers a look at the humanities, social sciences and fine arts.*
- Bloom, Rosaleen D., Erin T. Kaseda, Erin M. Gandelman, Steven A. Miller, J. Benjamin Bitterman, Kate Namuhmuh. 2024. From a Distance: A Model to Onboard and Support Undergraduates Doing Research. *Scholarship and Practice of Undergraduate Research* 7 (4): 37-43. <https://doi.org/10.18833/spur/7/4/10>
 - *A helpful example of how to bring students into the research setting.*

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- Haeger, Heather, Natasha Oehlman, Roman Christiaens. 2024. Claiming Space in the Academic Landscape: Negotiating Spatial Belonging in Undergraduate Research. *Scholarship and Practice of Undergraduate Research* 7 (4): 21-30. <https://doi.org/10.18833/spur/7/4/6>
 - *This article was named the best article of Volume 7 of SPUR, so I just tossed it in.*

Mentoring Resources

1. Library of other mentoring agreements or [compacts](#)
2. Center for the Improvement of Mentored Experiences in Research (CIMER) [Website](#) - Make sure to create an account.
3. The Science of Effective Mentoring in STEMM [Online guide](#)
4. The Science of Effective Mentoring in STEMM [full report](#) or [here](#)
5. Join the [NRMN Net](#) Mentor Network

Shanahan, J. O., Ackley-Holbrook, E., Hall, E., Stewart, K., & Walkington, H. (2015).
Ten Salient Practices of Undergraduate Research Mentors: A Review of the Literature.
Mentoring & Tutoring: Partnership in Learning, 23(4), 359–376.

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