EDUCATIONAL RESEARCH: PUBLISHING ON THE PEER-LED TEAM LEARNING MODEL

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WHAT IS PEER-LED TEAM LEARNING (PLTL)?

The PLTL Workshop model engages teams of six to eight students in learning sciences, mathematics and other undergraduate disciplines guided by a trained peer leader.

PLTL Workshops:

- Mathematics (MAT 1175-MAT 1575, MAT 1190, MAT 1275 CO)
- Statics - CMCE 1115
- Computer Engineering Technology - EMT 1150
- Chemistry
THE GENESIS OF THE PLTL PROGRAM

- Created a “mental” notebook
- Identified an academic “need”
- Confirmed with statistics
- Attended conferences
- Piloted a mini study
THE PUBLISHED RESULTS

- Create a “real” notebook
- Develop or adopt surveys
- Apply for IRB
- Collect data
- Partner with colleagues and students
- Leverage undergraduate research programs
- Identify educational journals – call for papers
Basic Framework of a Research Proposal

- Implications
- Discussion of Findings
- Study Findings
- Research Methodology
- Research Question
  - Framework Overview
  - Introduction & Background

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CUSTOMARY PARTS OF AN EDUCATION RESEARCH PAPER

Title

Abstract
- Provide a broad overview
- Include the research question posed, its significance, the methodology, and the main results or findings

Introduction and Statement of the Problem
- State the main research problem and why it is important

Literature Review
- Include a discussion of what is known about the subject and how that knowledge was acquired
Conceptual Framework

- The system of concepts, assumptions, expectations, beliefs, and theories that supports and informs your research

Web-based resources

CUSTOMARY PARTS OF AN EDUCATION RESEARCH PAPER (CONTINUE)

Methodology
- Discuss the research methodology including the participants
- Employ qualitative, quantitative, or mixed research methods

Results
- Focus on the analyses
- Emphasize on a rational development of the research question with clear reasoning and solid argumentation at all points.
Limitations of the Study

- Indicate the limited scope of the study (e.g., time, gender, age, geographic location, nationality)

Conclusion/Disscussion

- Summarize the study and underscore what it all means.
American Educational Research Journal

The American Educational Research Journal (AERJ) features articles that advance the empirical, theoretical, and methodological understanding of education and learning. It publishes original peer-reviewed analyses that span the field of education research across all subfields and disciplines and all levels of analysis.

https://us.sagepub.com/en-us/nam/american-educational-research-journal/journal201851#tabview=manuscriptSubmission

AERA Open

AERA Open is a peer-reviewed, open access journal published by the American Educational Research Association. With an emphasis on rapid review and dissemination, AERA Open aims to advance knowledge through theoretical and empirical study across arenas of inquiry related to education and learning. AERA Open aims to publish at the cutting edge, serving as a forum for innovation, new inquiry and ideas, interdisciplinary bridge building, and work that fosters the connection of research to policy and practice.

http://journals.sagepub.com/home/ero
Studies in Higher Education

*Studies in Higher Education* is a leading international journal publishing research-based articles dealing with higher education issues from either a disciplinary or multi-disciplinary perspective. Empirical, theoretical and conceptual articles of significant originality will be considered. The Journal welcomes contributions that seek to enhance understanding of higher education policy, institutional management and performance, teaching and learning, and the contribution of higher education to society and the economy.

https://www.tandfonline.com/action/authorSubmission?journalCode=cshe20&page=instructions

Journal of Curriculum Studies

*Journal of Curriculum Studies* publishes conceptually rich contributions to all areas of curriculum studies, including those derived from empirical, philosophical, sociological, or policy-related investigations.

http://www.tandfonline.com/action/journalInformation?show=aimsScope&journalCode=tcus20#.VwUD-U8rK00
EDUCATIONAL JOURNALS

- Journal of Women and Minorities in Science and Engineering

The Journal of Women and Minorities in Science and Engineering publishes peer-reviewed papers that report innovative ideas and programs for classroom teachers, scientific studies, and formulation of concepts related to the education, recruitment, and retention of underrepresented groups in science and engineering.

http://www.dl.begellhouse.com/forauthors/journals/00551c876cc2f027.html

- Journal of Curriculum Studies

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http://www.tandfonline.com/action/journalInformation?show=aimsScope&journalCode=tcus20#.VwUd-U8rK00
Journal of the First-Year Experience & Students in Transition

Journal of The First-Year Experience and Students in Transition is a semiannual refereed journal providing current research on the first college year and other significant student transitions. The primary purpose of the Journal is to disseminate empirical research findings on student transition issues that inform practice in all sectors of postsecondary education, such as:

- Explorations into the academic, personal, and social experiences (including outcomes related to success, learning, and development) of students at a range of transition points throughout the college years.
- Transition issues unique to specific populations (e.g., non-traditional, traditional, historically underrepresented students, transfer students, commuters, part-time students)
- Explorations of faculty development, curriculum, and pedagogical innovations connected to any of the transitions identified above

http://www.sc.edu/fye/journal/index.html
EDUCATIONAL JOURNALS

- Journal of the Scholarship of Teaching and Learning

  *The Journal of the Scholarship of Teaching and Learning* aims to address contemporary issues bridging teaching and learning in higher education, philosophical approaches to teaching, current research, and praxis. The journal publishes empirical research, case studies, essays, critiques, and articles of a theoretical/conceptual nature that contribute to deeper understanding of the issues, problems, and research relevant to the community of reflective teacher-scholars.

  [https://scholarworks.iu.edu/journals/index.php/josotl](https://scholarworks.iu.edu/journals/index.php/josotl)

- International Journal Scholarship of Teaching and Learning

  *International Journal for the Scholarship of Teaching & Learning* is an open, double-blind peer reviewed electronic journal. The journal is an international forum for research and information about the scholarship of teaching and learning (SoTL) and its applications in higher/tertiary education.

  [http://digitalcommons.georgiasouthern.edu/ij-sotl/](http://digitalcommons.georgiasouthern.edu/ij-sotl/)
EDUCATIONAL JOURNALS


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“You may encounter many defeats, but you must not be defeated. In fact, it may be necessary to encounter the defeats, so you can know who you are, what you can rise from, how you can still come out of it.” — Maya Angelou