Introduction to Geoscience Education Research Methods Webinar

Education Research Resources

Tuesday, October 17

Hosted by the NAGT Geoscience Education Research Division

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List of Science and Math Education Journals

Those in bold are ones that I frequently use and recommend.

- American Biology Teacher
- American Journal of Physics
- Astronomy Education Review
- Cell Biology Education
- Bioscience-Journal of College Biology Teaching
- Chemical Educator
- Educational Studies in Mathematics
- Electronic Journal of Mathematics and Technology
- Electronic Journal in Science and Literacy Education
- Electronic Journal of Science Education
- Elementary School Journal
- European Journal of Science Education
- International Journal of Science and Mathematics Education
- International Journal of Science Education
- International Research in Geographical and Environmental Education
- Journal of Chemical Education
- Journal of College Science Teaching
- Journal of Computers in Mathematics and Science Teaching
- Journal of Engineering Education
- Journal of Earth System Science Education
- Journal of Environmental Education
- Journal of Geoscience Education
- Journal of Mathematical Behavior
- Journal of Mathematics Teacher Education
- Journal of Physics Teacher Education
- Journal of Research in Mathematics Education
- Journal of Research in Science Teaching
- Journal of Science Education and Technology
- Journal of Science Teacher Education
- Journal of Technology and Teacher Education
- Journal of Women and Minorities in Science and Engineering
- Mathematics Teacher
- Physical Review Special Topics - Physics Education Research
- Quantum
- Research in Science Education
- Research in Science & Technological Education
- School Science and Mathematics
- School Science Review
- Science and Children
- Science & Education
- Science Education
- Science Scope
- Science Teacher
- Space Educator
- Studies in Science Education
- Physics Teacher

Website for a list and description of science education journals:
http://homepages.wmich.edu/~rudged/journals.html
General Resources for Education Research


Resources for Quantitative Research

General Resources

Software Packages for Statistical Analysis: SPSS, SAS, Excel

Online Data Analysis Decision Trees
- http://statpages.org/
- http://www.microsiris.com/Statistical%20Decision%20Tree/
Resources for Qualitative Research

General Resources

Basic (Interpretive) Qualitative Research Design (most common qualitative design used in education)

Case Study Research Design

Data Analysis
Data Analysis Software: NVIVO (qualitative data analysis software).
   http://www.qsrinternational.com/products_nvivo.aspx

Interviewing