

KATE S. POUND

Currently: Earth Science Educator, ESTEP (Earth Science Teacher Education Program)
Earth Science Educator, Nature-based Learning Teacher Retreats

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EDUCATION

Ph.D. University of Otago, Dunedin, New Zealand (1993)
Dissertation: Geology of the Lower Paleozoic rocks, Cobb Valley area, NW Nelson,
New Zealand, with a focus on the conglomeratic rocks
Advisors: Drs. Chuck Landis and Roger Cooper

Postgraduate Diploma of Science in Geology
University of Otago, December 1982
Thesis: A shear-zone melange in Caples Terrane rocks, New Zealand
Advisor: Dr. Richard Norris

BA in Geology Middlebury College, Vermont USA, May 1981

CURRENT RESPONSIBILITIES

- ESTEP (Earth Science Teacher Education Program): Work with ESTEP team to develop Middle-school earth science one-week 'bootcamps'; develop and deliver online course 'Minnesota Rocks & Natural Resources – For Teachers'
- Nature-based Learning (NBL) Teacher Retreats: Work with educator team (U of M, Hamline University, Freshwater) to develop and deliver curriculum that builds educator understanding and implementation of NBL cross-disciplinary/inter-disciplinary learning

PREVIOUS/CONCURRENT POSITIONS HELD

Geology Professor (Sabbatical Replacement), Earth and Environmental Sciences, North Hennepin Community College (2021-2022)

- Managed and reorganized Lab materials for use during COVID protocols.
- Taught: EEVS 1200 - Oceanography; NSCI 1120 - Meteorology; EEVS 1140 - Historical Geology; EEVS 1100 - Physical Geology; EEVS 2000 - Environmental Science; NSCI 1010 - Natural Disasters

Geology Professor, Atmospheric and Hydrologic Sciences Department, Saint Cloud State University (2003-2021)

- Designed and taught Lectures and Labs in the following courses:
AHS 106 – Natural Hazards and Human Society; AHS 109 – Introduction to Environmental Geology;
AHS 220 – Physical Geology Systems; AHS 305 – Historical Geology;
AHS 307 – Field Geology; AHS 322 – Surficial and Glacial Geology
AHS 325 – Rocks & Minerals; AHS 423 – Sedimentology & Stratigraphy
AHS 424 – Structural Geology & Tectonics; AHS 425 – Petrography
AHS 451 - Senior Research Proposal; AHS 452 - Senior Research

- Taught (2002-2010) courses in St. Cloud State Science Education / Earth & Space Science Teaching program: **EAS 205** – Earth Systems for Teachers; **EAS 302** – Earth Science for Elementary Teachers; **SCI 226** - Science for Elementary Teachers 1; **SCI 227** – Science for Elementary Teachers 2
- Managed supplies and lab set-up and take-down, field trip and lake-coring equipment; Managed Sedimentology ‘Dirt’ Lab in AHS Department at SCSU; Developed AHS Environmental Geology Program; assisted in development of promotional materials. Organized/curated gifted extensive (> 10,000 samples) minerals collection. Hired and worked with/supervised work-study students. Advised students. Supervised senior student research. Participated in a variety of College and University Committees. Facilitator for SCSU Faculty Learning Community “Backward Design”

Adjunct Professor, St. Kate’s M-STEM (Spring/Summer 2011, Summer 2014)

Co-authored Montessori Earth Science Album, co-designed Montessori Earth Science STEM course for Montessori Program; co-taught M-STEM Earth Science course. <http://catalog.stkate.edu/graduate/business-professional-studies/education/montessori-stem/>

Lead Instructor, TIMES (Teaching Inquiry-based Minnesota Earth Science) Project, Hamline University (& Science Museum of Minnesota) (Eisenhower Grant 2002; Taught 2002, 2003, 2005, 2006, 2009, 2011, 2016)

Hands-on, field-based summer course for middle and high school earth science teachers. Responsible for course organization (including recruitment of additional specialists), course content and structure, and modeling pedagogy for teachers. <http://www.hamline.edu/education/cgee/times-project.html>

Adjunct Professor, Geology Dept., University of St. Thomas, St. Paul, Minnesota (2000-2002)

Igneous Petrology (GL 311); Introductory Physical Geology (GL 111)
Geology component of interdisciplinary science course (IDSC 150)

Adjunct Professor, Center for Global Environmental Education, Hamline University

(1999-2002) I co-taught a course ‘Geology of the Twin Cities’ for K-12 Teachers; Adjunct Professor

Editor, Minnesota Geological Survey (MGS), St. Paul, Minnesota (1998–2000)

Technical/scientific editor for publications (print and digital, maps and texts). These include: MGS Reports of Investigations, County Geologic Atlas Series, papers in refereed international journals, Information Circulars, MGS Educational Series pamphlets, and abstracts for national and international meetings, miscellaneous series maps, Reports to the Legislature.

Staff Geologist, Minnesota Children’s Museum, St. Paul, Minnesota (1997)

Taught gallery staff basic geology principles and rock identification. Resident geologist for ‘The Magic Schoolbus Inside the Earth’ exhibit, which provided interactive geologic exploration for children aged 3-10. Presented public lectures on geologic phenomena at the museum.

Faculty, Fond-du-Lac Tribal College, Minneapolis Venue (1996–1997)

Designed and taught lecture and laboratory parts of a new introductory geology course for non-traditional native students within a Native American cultural context; housed at AIOIC, Minneapolis.

Project Leader / Postdoctoral Fellow, Australian Geodynamics Co-operative Research Centre (AGCRC), Earth Sciences Department, Monash University, Australia (1994–1996)

Responsible for scientific, logistical, personnel, and budgetary aspects of the Mount Isa Tectonic Synthesis Project, a structural geology project within the AGCRC Regional Geology and Geochronology Program. The AGCRC linked the Australian minerals industry, universities, and government agencies to develop research projects that would identify world-class ore bodies.

[Earth Sciences Department, Monash University, Australia](#) (1994)

Instructor for 3rd-year (=Junior/Senior) field mapping camp. Three-week structurally based (form-surface mapping) field camp in multiply-deformed Proterozoic sedimentary, metamorphic, and igneous rocks of western New South Wales.

Postdoctoral Fellow, Department of Earth Sciences, Monash University, Australia (1993–1994) Conducted petrographic research into sandstone provenance within Ordovician sandstones of the graptolite-bearing Bendigo-Ballarat Zone of the Lachlan Fold Belt, SE Australia.

Research Associate, University of Washington, Seattle, USA (1990–1992)

Conducted Pb/U, Rb, Sr, Sm & Nd isotopic analysis. Work included maintenance and use of clean chemistry laboratory, use of cation-exchange column chromatography, and operation of mass spectrometer.

Graduate Teaching Assistant, [University of Otago, Dunedin, New Zealand](#) (1985–1989)

Taught laboratory courses in: Sedimentology and Stratigraphy, Sedimentary Petrography, Paleontology, Structure, Igneous Petrology, Mineralogy, Optical Mineralogy, and Introductory Geology.

Geological Field Assistant, US Geological Survey, Menlo Park (1983–1984)

Compilation and interpretation of on-land geology for Solomon Islands region, southwest Pacific. Fieldwork in Cenozoic Sedimentary rocks of southern California and Baja, Mexico. Gorda Ridge Dredging Cruise. Field assisted for Coney, Jones and Howell in the Brooks Range, Alaska.

GRANTS, HONORS, AWARDS, PRESENTATIONS & RESPONSIBILITIES

[Miller Scholar Award](#) 2015/2016 (\$10,500) received jointly with Dr. Kirstin Bratt for project '[Poetry of Place: Pedagogy and Anthology](#)'

[Hellervik Prize](#) (\$10,000) (with Dr. Srock & Petzold) for "[Stream Transport of Cobbles and Boulders: How Fast and How Far?](#)" Awarded in Spring 2015. Research is ongoing.

SCSU CETL Technology Grant (\$1,500) "[Capturing Essential Geoscience Skills for Video Review: Implementation, Evaluation, and Assessment](#)" Awarded to Drs. Pound, Hergert & Sundheim in December 2014. Filming of short videos to assist student learning – implementation in Spring 2015 (and ongoing)

SCSU Provost's Action Grant (\$10,000) "[Building the Environmental Geology Concentration: Infusing Relevance & Quality; Attracting Students](#)" Lead outreach project to/with regional employers with faculty from Geography and ETS in order to build plans for Environmental Geology Major; planning still in development phase. Fall 2013-Spring 2014.

NSF CLI GRANT #0737335 (\$173,671) "Teaching Anchor Concepts of Climate Change Through Sediment Core Archives" awarded to St. John, Jones, Leckie & Pound. Development and distribution of data-rich, inquiry-based learning materials. January 2008-December 2010.

https://www.nsf.gov/awardsearch/showAward?AWD_ID=0737335&HistoricalAwards=false

[ANDRILL ARISE](#): Support for participation on-ice in ANDRILL (Antarctic Drilling Project) ARISE (Antarctic Research Immersion for Science Educators) Program (SMS = Southern McMurdo Sound) in Antarctica October-December 2007.

ARC Postdoctoral Fellowship "Provenance Studies in the Lachlan Fold Belt", 1993, Monash University, Melbourne, Australia.

Thomas J Watson Fellowship (\$10,000), awarded 1981. Geological research in New Zealand, conducted at Otago University Dunedin, and DSIR, Dunedin.

VOLUNTEER / COMMUNITY OUTREACH / OTHER ACTIVITIES

President, [Minnesota Groundwater Association](#) (MGWA) 2019; Board Member Minnesota Groundwater Association Foundation 2020; Chair of MGWA DEI Committee 2020-2023

Co-Facilitator of Faculty Workshop led by Drs. Bratt, Sundheim and Mike Rogers “[Applying Backwards Design Principles to Class Learning and Your Curriculum](#)” Fall 2015 Convocation.

Co-taught workshop “The Role of the Question” with Mr. Mike Rogers at [Minnesota Science Teachers Association Mtg., Mankato, February 2015](#).

FLC Facilitator: Facilitator for [SCSU Faculty Learning Community ‘Backward Design’](#) Academic year 2013-14, and ongoing. Investigate and implement ‘Backward Design’.

ISELF Research: Wrote successful proposal for establishment of LASCOP (Lake Sediment Coring Project) Lab space in SCSU ISELF Facility. Spring 2014; Interdisciplinary Lab Space now located in WSB-16, Dirt Lab in WSB-41.

Co-Chair and Session Co-convenor: Sessions [ED 52A](#) & [53A](#) “Hands-on, Inquiry-based Classroom and Lab Exercises – Bringing Geoscience Research to the Middle-, High-School, and College Classroom” Annual Fall Meeting of the American Geophysical Union, San Francisco, December 9 2005.

Workshop Co-leader: “[Hands-on, Inquiry-based Classroom and Lab Exercises – Bringing Geoscience Research to the Middle-, High-School, and College Classroom](#)” Teacher workshop co-led with Karen Campbell and Lee Schmitt at Annual Fall Meeting of the American Geophysical Union, San Francisco, December 9 2005.

Co-Chair and Session Co-convenor: Session “[Inquiry-based, hands-on, classroom exercises, lab demonstrations, and field investigations in Geoscience Education](#)” Annual Meeting of the North-Central Section of the Geological Society of America, Minneapolis, May 2005.

Workshop Co-leader: “Inquiry-based, hands-on, classroom exercises, lab demonstrations, and field investigations in Geoscience Education” co-led with Megan Jones and Lee Schmitt at Annual Meeting of the North-Central Section of the Geological Society of America, Minneapolis, May 2005.

Chairperson 'Structure and Structural Evolution of Basins and Terranes' Australian Geological Convention, Perth. September 1994.

Organized and led field trip to Lower Paleozoic Rocks of NW Nelson, New Zealand in conjunction with Dr. Roger Cooper (IGNS, New Zealand). December 1993.

LICENSURE / PROFESSIONAL SOCIETIES

Licensed Professional Geologist in the State of Minnesota ([License Number 30500](#))

Member, New Zealand Geological Society

Member, Geological Society of America

Member, American Geophysical Union

Member, National Association of Geoscience Teachers

PUBLICATIONS

In Submittal Process

To peer-reviewed journal *Sedimentology*

Pound, K.S., Architecture of a coarse-grained alluvial delta developed in/on an evolving accretionary prism: the Cambrian Lockett Conglomerate, northwest Nelson, New Zealand

To *Journal of Geoscience Education*

Pound, K.S., Development of learning materials for visually-impaired students improves learning for all students

Pound, K.S., Hands-on activity for teaching Walther’s Law

- Pound, K.S.**, Inspiring students in upper-level Earth Science Courses through hand-drawn Weekly Information Sheets
- Pound, K.S., Bratt, K.R., and Sundheim, N.K.**, Redesign of Liberal Education Environmental Science Course: Supporting parity through paired courses.
- Pound, K.S., and Bratt, K.R.**, Designing an Interdisciplinary Course: The Poetry of Place

Books / Volumes / Textbooks

- St. John, K., Leckie, R.M., **Pound, K.**, Jones, M., and Krissek, L., 2021, [Reconstructing Earth's Climate History – Inquiry-based Exercises for Lab and Class](#) Wiley Blackwell, 2nd Ed. 542p. ISBN: 978-1-119-54411-1
- St. John, K., Leckie, R.M., **Pound, K.**, Jones, M., and Krissek, L., 2012, [Reconstructing Earth's Climate History Inquiry-based Exercises for Lab and Class](#). Wiley Blackwell, 1st Ed. 485p. ISBN: 978-0-470-65805-5
- Vedder, J.G., **Pound, K.S.**, and Boundy, S.Q., eds., 1986, Geology and Offshore resources of Pacific Island Arcs—Solomon Islands Region: Circum-Pacific Council for Energy and Mineral Resources, Earth Science Series, Vol. 4, Tulsa, Oklahoma, American Association of Petroleum Geologists.

Publications / Papers in Refereed Journals

- Pound, K.**, Huffman, L., Hubbard, J., Cattadori, M., Dahlman, L.A., Dooley, J., Frisch-Gleason, R., Harwood, D., Lehmann, R., and Trummel, B. 2019. ANDRILL ARISE: A model for team-based field research immersion for educators. The Polar Record, v.55, issue 4, p.251-273. <https://doi.org/10.1017/S0032247419000056>
- Bratt, K.R., Sundheim, N.K., **Pound, K.S.**, and Rogers, M.E., 2017, [Echoes of Student Learning Modes in the Learning Processes of STEM Faculty: The LASSI Provides Themes for Faculty Development](#): Journal of College Reading and Learning, v.47, no.2, p.123-142. <http://dx.doi.org/10.1080/10790195.2017.1287608>
- Pound, K.S.**, Norris, R.J., and Landis, C.A., 2014, [Eyre Creek mélangé: an accretionary prism shear-zone mélangé in Caples Terrane rocks, Eyre Creek, northern Southland, New Zealand](#): New Zealand Journal of Geology and Geophysics, v.57, No. 1, p.1-20. <http://dx.doi.org/10.1080/00288306.2013.837395>.
- Pound, K.S.**, Campbell, K.M., and Schmitt, L., 2011, [An examination of the bedrock geology and the Mississippi River valley in the Twin Cities: Pedagogical strategies for introductory field trips](#), in Miller, J.D., Hudak, G.J., Wittkop, C., and McLaughlin, P.I., eds., Archean to Anthropocene: Field Guides to the Geology of the Mid-Continent of North America: Geological Society of America Field Guide 24, The Geological Society of America, Boulder, Colorado. p. 505-523. doi:10.1130/2011.0024(25).
- O'Dea, M.G., Lister, G.S., Betts, P.G., **Pound, K.S.**, 1997, [A shortened intraplate rift system in the Proterozoic Mount Isa Terrane, NW Queensland, Australia: Tectonics, v. 16, no. 3, p. 425–441.](#)
- O'Dea, M.G., Lister, G.S., MacCready, T., Betts, P.G., Oliver, N.H.S., **Pound, K.S.**, Huang, W. and Valenta, R.K., 1997, [Geodynamic evolution of the Proterozoic Mount Isa terrain, in Burg, J.P., and Ford, M., eds., Orogeny through time: Geological Society \[London\] Special Publications, v. 121, p. 99–122.](#)
- Pound, K.S.**, 1986, [Correlation of Rock Units for the Solomon Islands region, southwest pacific](#), in Vedder, J.G., **Pound, K.S.**, and Boundy, S.Q., eds., Geology and Offshore resources of Pacific Island Arcs—Solomon Islands Region: Circum-Pacific Council for Energy and Mineral Resources, Earth Science Series, Vol. 4, Tulsa, Oklahoma, American Association of Petroleum Geologists, p. 89–97.

Sundheim, N.K., Bratt, K.R., **Pound, K.S.**, and Rogers, M., 2015, [Backward Design in STEM Courses: The Role of the Question](#), p. 25-30 in Conference Proceedings, Lilly Conference on College & University Teaching and Learning, Evidence-based Teaching and Learning, 63p.

Newsletter articles

Pound, K., 2021, [Diversity, Equity, and Inclusion: MGWA Foundation / Freshwater Student Internships 2021](#). MGWA Newsletter.

Pound, K., 2020, [Online Teaching During the Pandemic](#), MGWA Newsletter

Field Trip Guides

Pound, Kate, 1993, Northwest Nelson; basement geology; Part II, Haupiri Group rocks of Northwest Nelson v. 79, p. 85-136.

White Papers

Kate Pound, John Bradshaw, Margaret Bradshaw, Richard Jongens, Carsten Munker, Kari Bassett, Kathleen Marsaglia, 2013, Cambrian Rocks of the Takaka Terrane, the Foundation of Zealandia: A Complex Record of Subduction Initiation and Arc Development Exposed in the Nelson Area of the South Island. NSF GeoPRISMS Workshop, New Zealand, April 2013.

http://geoprisms.org/~geo/images/stories/documents/New%20Zealand%202013/NZ%20White%20Papers/20130311172108_NZ_WP_Pound_etal.pdf

Kate Pound, Lee Schmitt, Megan Jones, Kerry Swanson, Maree Hemmingsen, Kathleen Marsaglia, 2013, Integrating Current Research on Subduction Processes and Records into Learning and Teaching: Potential for GeoPRISMS Knowledge Transfer. NSF GeoPRISMS Workshop, New Zealand, April 2013.

http://geoprisms.org/~geo/images/stories/documents/New%20Zealand%202013/NZ%20White%20Papers/20130315010836_NZ_WP_Pound_etal.pdf

Abstracts / Extended Abstracts for Oral and/or Poster Presentations

Pound, K.S., 2022, [Data show that ALL students do better when Introductory Geology course is adapted to actively and equitably include visually-impaired students](#). Earth Educator Rendezvous, Minneapolis, 2022.

Pound, K.S., 2022, [Demystifying Walther's Law: Large Pickleball Models and Tabletop Challenges to Stratigraphic Column Interpretation](#). Earth Educator Rendezvous, Minneapolis, 2022.

Pound, K.S., 2022, [Relative Age: Painted, Cut, Screwed, Glued, and Taped Wooden Blocks](#). Earth Educator Rendezvous, Minneapolis, 2022.

Pound, K.S., and Heldberg, H., 2016, Modeling Cobble Transport in a Fluvial System for Provenance Studies: The Cement Mixer Experiment, Abstract EP31A-0925 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 11-15 Dec.

<http://adsabs.harvard.edu/abs/2016AGUFMEP31A0925P>

Pound, K.S., 2014, Architecture of a Coarse-Grained Upper Middle Cambrian Alluvial Delta Dominated by Braidplain and Gilbert-Style Delta Components. [Abstract EP53A-3633](#), presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

- Pound, K.S.**, Rogers, M., Bratt, K., and Sundheim, N., 2014, Implementation of Backward Design and Essential Questions in Earth Science Curricula [abs.], Geological Society of America, Abstracts with Programs, Vol. 46, No. 6, [Paper No. 304-11](#), p.734.
- Pound, K.S.**, 2013 The Late Cambrian Takaka Terrane, NW Nelson, New Zealand: Accretionary-prism development and arc collision followed by extension and fan-delta deposition at the SE margin of Gondwana. [Abstract T13A-2497](#) presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.
- St. John, K., Jones, M.H., Leckie, R.M., **Pound, K.S.**, and Krissek, L.A., 2013 Development and sustainability of NSF-funded climate change education efforts: lessons learned and strategies used to develop the Reconstructing Earth's Climate History (REaCH) curriculum. [Abstract ED23E-02](#) presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.
- St. John, K., Krissek, L., Jones, M.H., Jones, Leckie, R.M., **Pound, K.S.**, 2010 Teaching about CO₂ as a Climate Regulator During the Phanerozoic and Today. Abstract [ED33A-0698](#) presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Pound, K.S.**, 2013, [The Evolving Environmental Geology Concentration at St. Cloud State University: Soliciting Feedback](#) [abs], Minnesota Groundwater Association Fall Meeting 2013.
- Leckie, R.M., St. John, K., Jones, M.H., **Pound, K.S.**, Krissek, L.A., and Peart, L.W., 2011, From School of Rock to Building Core Knowledge: Teaching about Cenozoic climate change with data and case studies from primary literature. [Abstract ED53C-0818](#) presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec. Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Schoeneck, Marlene, **Pound, Kate S**, 2011, Student assignments for working with lake sediment cores [abs], Abstracts with Programs [Minneapolis], Geological Society of America Vol. 43, No. 5, [Paper No. 234-10](#), p. 563.
- Rosenthal, Jeffrey; Fitzpatrick, Faith; Seitz, Brandon; **Pound, Kate S**; Mapping fluvial terraces to determine the influence of postglacial lake level history on Grand Portage Creek, Grand Portage, Minnesota [abs], Abstracts with Programs [Minneapolis], Geological Society of America Vol. 43, No. 5, [Paper No. 113-9](#), p. 297.
- Pound, Kate S.**, Campbell, Karen M., 2011, Exercises for 3D anaglyph maps: Using simple visual observation to introduce complex geologic histories [abs], Abstracts with Programs [Minneapolis], Geological Society of America Vol. 43, No. 5, [Paper No. 45-17](#), p. 135.
- Jones, Megan H; St John, Kristen; **Pound, Kate S**; Krissek, Lawrence; Leckie, R Mark, 2011, From teaching anchor concepts of climate change to reconstructing Earth's climate history; wrapping up with lessons learned, winning strategies and unexpected outcomes [abs.], Abstracts with Programs [Minneapolis], Geological Society of America Vol. 43, No. 5, [Paper No. 97-3](#), p. 253.
- St John, Kristen; Jones, Megan; Leckie, R Mark; **Pound, Kate S**; Krissek, Lawrence, 2011, Making strategic decisions about dissemination of new instructional materials; lessons learned and strategies used in the building core knowledge; reconstructing Earth history project [abs], Abstracts with Programs [Minneapolis], Geological Society of America Vol. 43, No. 5, [Paper No. 118-9](#), p. 309.
- Pound, K.S.**, Krissek, L., St. John, K., Leckie, R.M., and Jones, M.H., 2011, Antarctic Sediment Core Interpretation: Exercises that Examine the 'Hows' and 'Whys' while Building Student Skills and Knowledge. [abs], 11th International Symposium on Antarctic Earth Science [Edinburgh]. [Poster PO1.15](#)

- Pound, K.S.**, 2011, Antarctic Geoscience: Using Antarctica as the 'hook' in Undergraduate Introductory Geology and General Education Courses [abs], 11th International Symposium on Antarctic Earth Science [Edinburgh]. [Poster PO23.17](#)
- Leckie, R Mark; St John, Kristen; Jones, Megan H; **Pound, Kate S**; Krissek, Lawrence; 2010, Age determination for deep sea cores; inquiry-based learning with authentic scientific ocean drilling data [ans]. Abstracts with Programs, Geological Society of America Vol. 42, No. 5, [Paper No. 20-6](#), p. 68.
- Pound, K S**; Krissek, L A; Jones, Megan H; Leckie, R M; St John, K., 2009, Transferring ANDRILL research on Antarctic Cenozoic climate change into the classroom; teaching exercises that build student skills and content knowledge [abs], *Eos, Transactions, American Geophysical Union* 90.52, SUPPL. (2009): [Abstract PP43A1553](#).
- Pound, K.S.**, Campbell, K.M., Baumtrog, J., Rosok, K., 2009, How K-12 Teachers of Earth Science Connect Earth Science Research to their Teaching: Science Teaching and Professional Learning in the Earth Sciences (STAPLES) – A Minnesota Case Study, *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., [Abstract ED13B-0599](#).
- Campbell, K.M., **Pound, K.S.**, Rosok, K., Baumtrog, J., 2009, What K-12 Teachers of Earth Science Need from the Earth Science Research Community: Science Teaching and Professional Learning in the Earth Sciences (STAPLES) – A Minnesota Case Study, *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., [Abstract ED31B-0530](#).
- St John, Kristen; Leckie, R Mark; **Pound, Kate S**; Jones, Megan H; Krissek, Lawrence, 2009, Teaching about climate cycles; a new comprehensive student-active learning module from "Building Core Knowledge" for the undergraduate classroom [abs], Abstracts with Programs [Portland], Geological Society of America, Vol. 41, No. 7, [Paper No. 29-14](#), p. 92.
- Pound, Kate S**; Krissek, Lawrence; Jones, Megan H; Leckie, R Mark; St John, Kristen E; 2009, Antarctic sediment core interpretation; exercises that examine the "hows" and "whys", while building student skills and knowledge [abs], Abstracts with Programs [Portland], Geological Society of America Vol. 41, No. 7, [Paper No. 29-12](#), p. 92.
- Jones, Megan H; Leckie, R Mark; St John, Kristen; **Pound, Kate S**; Krissek, Lawrence, 2009, Teaching about the Paleocene Eocene Thermal Maximum (PETM); an inquiry-based, data-rich case study in abrupt climate change for a variety of undergraduate settings [abs], Abstracts with Programs [Portland], Geological Society of America Vol. 41, No. 7, [Paper No. 29-19](#), p. 93.
- Leckie, R Mark; St John, Kristen; Jones, Megan H; **Pound, Kate S**; Pyle, Eric J., and Krissek, L., 2009, "Building Core Knowledge, Reconstructing Earth History"; comprehensive student-active learning modules for teaching about global climate change [ans], Abstracts with Programs [Portland], Geological Society of America Vol. 41, No. 7, [Paper No. 29-16](#), p. 93.
- Pound, K. S.**, and Panter, K. S., 2008, Building on decades of research on the McMurdo volcanic group, Antarctica; a geologic field guide to Observation Hill [abs], *Eos, Transactions, American Geophysical Union* 89.53, Suppl. (December 2008): [Abstract no. V13C-2137](#).
- Pound, Kate S**; Myrbo, Amy; Noren, Anders; Brady, Kristina, 2008, ANDRILL Lake Coring Outreach VEnture (ALCOVE); bringing sediment core research into middle and high school classrooms [abs], Abstracts with Programs [Houston], Geological Society of America, Vol. 40, No. 6, [Paper No. 248-4](#), p. 365.
- Pound, Kate S**; Morin, Paul J; 2008, Antarctica: Teaching and learning through a 3D anaglyph map [abs], Abstracts with Programs [Houston], Geological Society of America, Vol. 40, No. 6, [Paper No. 309-3](#), p. 492.

- Pound, Kate S.**, 2007, Use of the 'Hollow Earth Theory' to teach students how to critically evaluate theories [abs], Abstracts with Programs, Geological Society of America, Joint South-Central and North-Central Sections, both conducting their 41st Annual Meeting (11–13 April 2007), Vol. 39, No. 3, [Paper 15-3](#), p. 17.
- Pound, Kate S.**, 2007, Stream profile, terrace, and depth-to-bedrock data for the Upper Mississippi River region, Elk River- Brainerd; preliminary results [abs], Abstracts with Programs, Geological Society of America, Joint South-Central and North-Central Sections, both conducting their 41st Annual Meeting (11–13 April 2007), Vol. 39, No. 3, [Paper 20-5](#), p. 23.
- Pound, Kate**, Jennings, Carrie E., Morin, Paul, 2006, From Map Texture Observations to Geologic Interpretations: The Quaternary Glacio-Fluvial History of the Upper Midwest Using Anaglyph Stereo Maps [abs.]: EOS Trans. AGU, Vol. 87, Fall Meeting Suppl., [Abstract ED 53A-0849](#).
- Pound, Kate S.**, Campbell, Karen M., Jones, Megan H., 2006, Teacher Workshops and Hands-On Galleries: Effectively Involving K-12 Teachers in Professional Geoscience Meetings [abs.]: Geological Society of America Abstracts with Programs [Philadelphia], Vol. 38, No. 7, [Abstract 99-2](#).
- Campbell, Karen M., **Pound, Katherine S.**, 2006, Increasing the Flow: Bringing NCED Field and Laboratory Research to K-12 and Undergraduate Classrooms [abs.]: Geological Society of America Abstracts with Programs [Philadelphia], Vol. 38, No. 7, [Abstract 98-8](#).
- Pound, Kate S.**, 2005, [Rock and Mineral "BINGO": Applying and assessing student rock and mineral knowledge and identification skills](#) [abs], Geological Society of America North-Central Section 39th Annual Mtg., Abstracts with Programs Volume 37, No. 5.
- Smith C., **Pound, K.S.**, Jones, M.H., Schmitt, L., Campbell, K., 2005, Classroom Demonstration and Interactive Model of Sea-Level Control on Lateral and Vertical Facies Changes [abs], EOS Trans. AGU, 86(52), Fall Meeting Suppl., [Abstract ED52A-05](#).
- Schmitt, Lee, **Pound, K.S.**, Jones, M.H., 2004, [The TIMES Project \(Teaching Inquiry-based Minnesota Earth Science\): How an intensive field-based course builds teacher content knowledge and prepares teachers to provide earth science field investigations for their students](#) [abs], Geological Society of America Abstracts with Programs, v. 36, No. 5.
- Pound, Kate**, 2004, [Letters to my Parents: Using letter-writing for learning and assessment in Introductory Geology Classes](#) [abs], Geological Society of America North-Central Section 38th Annual Mtg., Abstracts with Programs Volume 36, No. 3.
- Pound, Kate S.**, Jones, Megan, H., Schmitt, Lee M., Meyers, James, H., Boerboom, T.J., Tipping, Bob, Jennings-Patterson, Carrie, Hickson, Tom A., and Hobbs, Howard., 2003, [Building a Geologic History from an Archean to Pleistocene Collage: Learning about Geologic Processes through Local Geology in the Minneapolis-St. Paul, MN. Area](#) [abs.]: Geological Society of America Abstracts with Programs [Seattle], vol 35, no. 6, p.524.
- Meyers, James H., **Pound, Kate S.**, Schmitt, Lee M., and Jones Megan H., 2003, [The TIMES Project \(Teaching Inquiry-based Minnesota Earth Science\): A region-specific, field-based means for developing teacher inquiry skills and content knowledge](#) [abs.]: Geological Society of America Abstracts with Programs [Seattle], vol 35, no. 6, p.154.
- Pound, Kate S.**, 2004, [Revisiting nearby outcrops to build depth in understanding: a technique for building transferable field observation and interpretation skills](#), [abs], Geological Society of America Abstracts with Programs, v. 36, No 5
- Pound, Kate S.**, 2004, [Using data for modern plate boundaries \(Discovering Plate Boundaries, SeisVolE\) to help students evaluate geologic survey data, recognize and locate ancient plate boundaries in the Continental Interior](#) [abs], Geological Society of America Abstracts with Programs, v. 36, No 5

- Pound, K.S.,** Gray, D., & Cas, R., 1994, Provenance, sedimentologic and stratigraphic relationships of Ordovician Sandstones of the Bendigo-Ballarat Zone, Victoria: Implications for the Tectonosedimentary Evolution of the Lachlan Fold Belt [abs.]: Australian Geological Congress Abstracts, no. 37, p. 353.
- Pound, K.S.,** 1994: Stratigraphy, Sedimentology and Provenance Studies—Powerful Tools in Determination of the Relative Timing of Tectonic Juxtapositioning and Melange Development [abs.], Specialist Group in Tectonics and Structural Geology: Field Conference: Geological Society of Australia Abstracts Volume no. 36, p. 128–129.
- Pound K.S.** 1992. Lower Paleozoic Rocks of the Takaka terrane of NW Nelson, New Zealand: Tectonic Models, Implications for Regional Correlations, and the SWEAT Hypothesis [abs.], Joint Annual Conference, Geological Society of New Zealand and New Zealand Geophysical Society, November 1992, Programme and Abstracts: Geological Society of New Zealand Miscellaneous Publication 63A, p. 126.
- Pound K.S.** 1992. The Lower Paleozoic Lockett Conglomerate—A Fan-Delta Deposit Overlying a Deforming Accretionary Prism (The Balloon Melange) [abs.], Joint Annual Conference, Geological Society of New Zealand and New Zealand Geophysical Society, November 1992, Programme and Abstracts: Geological Society of New Zealand Miscellaneous Publication 63A, p. 127.
- Pound K.S.,** 1990, Composition of detrital chromite, garnet and amphibole used as a tool in provenance studies: An example from the Early Paleozoic, NW Nelson, New Zealand [abs.]: Sediments 1990, 13th International Sedimentological Congress Abstracts, p. 434.