

## Comparing SoTL to Geoscience Research

Read through the following brief descriptions of components of SoTL and fill out the table by identifying and describing analogous components of geoscience research. If you don't think there is an analogous aspect of geoscience research, leave that section blank.

<b>Scholarship of Teaching and Learning (SoTL)</b>	<b>Geoscience Research</b>
<u>Abstract</u> : Summarizes the study, including methods, findings and implications.	
<u>Introduction</u> : Communicates the importance of the investigation and introduces the reader its focus.	
<u>Research Context</u> : Synthesizes relevant work in geoscience education, as well as related work from other disciplines or education more generally.	
<u>Research Question(s)</u> : The question(s) that the author(s) are trying to answer with their investigation. Sometimes presented as aims(s) rather than question(s).	
<u>Research Setting</u> : Description of the study participants and institutional context. Helps to give readers an idea of how applicable the study might be to their own setting.	

<u>Methodology</u> : Identifies the theoretical framework used in the research. Positions the researcher by describing their perspectives and place in the study.	
<u>Methods</u> : Describes the techniques/tools used to investigate the research question, including data collection and analysis.	
<u>Findings (or Results)</u> : Presents and describes analyzed data.	
<u>Interpretations and Discussion</u> : Interprets data in the context of relevant literature.	
<u>Implications and Future Work</u> : Describes how the findings relate to educational practice and may be applied to other contexts (if relevant). Potential future research directions may be highlighted.	
<u>Conclusion</u> : Summarizes the work and its key findings and implications for practice.	