

Plan Your SoTL Project Worksheet

Adapted from Bishop-Clark, C and Dietz-Uhler, B (2012) *Engaging in the Scholarship of Teaching and Learning*, Sterling, Virginia: Stylus Publishing

Identify your research question

1) Identify your overarching question or research theme. If possible, start with an observed challenge to student learning.

2) Formulate your research question/s based on your research theme. You can formulate several specific research questions.

Identify key words for your literature search

3) Broad keywords

4) Specific keywords

5) How will your research be similar and different compared to previous work?

6) Revise your research question based on your literature search

Research methods

7) What type of research methods will you use; quantitative, qualitative, or both?

8) Which specific research methods will you use to answer your research questions? Can you use in-class generated materials as data?

9) How many people will you study? Will you have a comparison group?

10) Create a graphic organizer of your research design.

More considerations

11) How will you analyze your data?

12) Set up a mock data analysis, do your methods give you all the data you need?

13) Will you publish your SoTL research project? Where?

Examples of data used in SoTL studies

Qualitative Methods	Quantitative Methods
<p>Solutions to</p> <ul style="list-style-type: none"> - Pre- and post-tests - Exam or quiz questions - Homework problems 	<p>Scores</p> <ul style="list-style-type: none"> - Pre- and post-tests - Coursework and assignments - Quizzes, midterms, and finals - Lab reports, papers, and projects - Standardize scales, inventories, and test
<p>Writing Assignments</p> <ul style="list-style-type: none"> - Projects or papers - Portfolios - Reflective writing or journals - Minute papers and other classroom assessments 	<p>Survey Results</p> <ul style="list-style-type: none"> - Attitudes, beliefs, satisfaction (Likert) - Student evaluations
<p>Discipline-specific Assignments</p> <ul style="list-style-type: none"> - Lab reports - Computer programs - Designs for experiments - Drawings or figures 	<p>Frequency counts or percentages</p> <ul style="list-style-type: none"> - Multiple choice test item response - Course completion rates - Participation in class/discussion boards - Online homework system usage - Office visits
<p>Open-ended questions on surveys</p>	<p>Measure of time use</p> <ul style="list-style-type: none"> - Time spent accessing online resources
<p>Interviews</p> <p>Focus groups</p> <p>Classroom observations</p>	<p>Institutional research data</p> <ul style="list-style-type: none"> - Academic transcript data (admission scores, GPA, etc.) - Retention data (course, major, program, etc.) - Enrolment in follow-up courses - Student demographics