

ESST-1
Summer 2008
Final Assignment Guidelines

Goal

The goal of this assignment is to give you the chance to develop a piece of work (curriculum unit or outline, connected series of lesson plans, data-driven inquiry opportunity for students, extended field trip, etc.) inspired by your work during ESST-1 that you will use in the upcoming year.

Format

The format of this project is up to you. We want you to create something that you can use in the classroom that will help you take what you have learned in ESST-1 back to your students.

While the exact format is variable, we ask that whatever you develop include the following:

1. At least one opportunity for students to conduct scientific inquiry using some kind of data (these data can be data you collect, data they collect, data found online, or some combination of the three).
2. A focus on Earth system science, if possible emphasizing the connections and interactions between and among different Earth systems and time scales.
3. A calendar that indicates when and for how long this will be implemented next year, as well as how it fits in with other units, topics or themes in your teaching next year.
4. A clear sense of how the TESSE grad fellow you will be working with next year is going to be involved.

What to turn in

1. A "product" that clearly illustrated what you plan to do, when you plan to do it, what resources you will need, what students will be learning and doing, and what roles you and the TESSE grad fellow will play in the classroom. This could be a series of lesson plans, a detailed plan for a field trip that includes both pre and post field trip activities as well as what will happen on the trip itself, a unit plan, a plan for implementing a theme (e.g. inquiry) over the course of a semester or the whole year, etc.
2. A 2-3 page narrative that explains how you are including Earth system interactions and student-driven inquiry.
3. A 2-3 page reflection in which you discuss how your participation in ESST-1 has influenced your ideas about teaching and the development of this project.

All of your work should be typed, in 12 point font, and double spaced. No matter what format you choose, please make sure that it is clear how inquiry and Earth system interactions play a role in your teaching.