

## *Implementation Report Guide*

We would like each ESBD teacher to prepare a report on the implementation of the unit they created. The implementation report is a way for us to get a sense of how ESBD takes shape in the classroom. The report should highlight the unit you created and summarize your experience implementing ESBD.

One way to help you get ready for the writing this report is to keep a *journal* of ESBD related matters, such as thoughts on planning, observations about student learning and reflections that come to you while teaching your unit. You might consider taking notes on your implementation experience organized according to the sections of the report described below.

### 1. Describing Your ESBD Unit

- Begin with a brief *overview* of your unit.
- Attach a copy of your Unit Plan to the Implementation Report. This should be the unit as you *planned* to implement it. Include a printed version of your unit, your rubric, and your pre- and post-assessment quizzes as appendices to your report.
- Attach a copy of your revised Unit Plan. This plan should reflect the sequence of activities that *took place* during implementation. It helps us to get a feel for your unit if you include any handouts you created or used during the unit. If you have a lot of materials, you may want to organize them in a three-ring binder.

### 2. Uncovering Misconceptions

- What misconceptions did you uncover during your unit? Were any of these surprising?
- How successful do you feel you were at addressing these? What might you do differently next time?

### 3. Building Understanding

- Describe a few strategies you used to help students uncover and build their understanding of your unit concepts.
- Which of the facets of understanding did your unit emphasize? Cite a few examples.
- Describe an activity that you feel really got at *deep* and *enduring* understanding.
- Comment particularly on any use of visualizations. How effective were they in helping students achieve understanding? What difficulties, if any, did you encounter in using them?
- What might you do differently in the future?

### 4. Assessing Student Learning

- Describe the evidence you collected and used to “convict” your students of understanding.
- What was most effective in helping you and them assess their understanding?

- Do you feel your students really developed *deep* and *enduring* understanding of your unit concepts?
- Use specific work produced by your students during the unit to illustrate your points.

#### 5. Reflecting on the Implementation Process

- In addition to describing the unfolding of your unit in your classroom, the report is intended to serve as a reflective space for you to share your thoughts about the implementation process. What insights or new understandings have you gained from this experience?
- How have you grown as a teacher?
- How was the experience of doing this ESBD unit different from other Earth science units you have done in the past?
- What issues or questions has ESBD raised for you?
- What advice or guidance might you offer others interested in ESBD?

Please feel free to contact any of the ESBD staff if you need clarification or have any questions.