

## **Appendix: Implementing Common Core Standards**

### **Reading Standards for Literacy in Science and Technical Subjects Grades 11-12:**

6. Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.
  
8. Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.

*Students will address these two standards in the evaluation of website activity, as they try to determine the reliability of the sources, the point of view of the authors, and whether the conclusions are supported by the data.*

### **Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects Grades 11–12:**

1. Write arguments focused on *discipline-specific content*.
  - a. Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences the claim(s), counterclaims, reasons, and evidence.
  - b. Develop claim(s) and counterclaims fairly and thoroughly, supplying the most relevant data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form that anticipates the audience's knowledge level, concerns, values, and possible biases.
  - c. Use words, phrases, and clauses as well as varied syntax to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.
  
8. Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

*These two standards are addressed by the role-playing activity in which students must prepare arguments based on their research of the claims of opposing factions in the debate over the effects of global warming on sea levels.*