You may need to adjust the wording suggested here (it was culled from the “Pathways” proposal) to fit your specific circumstances; these formulations are meant to help you remember all the goals that need addressing.

**E. Scientific World**

Students will learn to: (address all goals 1,2,3)

1. Gather, interpret, and assess information from a variety of sources and points of view by ................... [name/describe class activity/ies]

2. Evaluate evidence and arguments critically or analytically by .............. [name/describe class activity/ies]

3. Produce well-reasoned written or oral arguments using evidence to support conclusions by ...................... [name/describe class activity/ies]

In addition, students will learn to: (address three goals of the group a-f)

a. Identify and apply the fundamental concepts and methods of .............. [name your discipline or interdisciplinary field exploring the scientific world, including, but not limited to: computer science, history of science, life and physical sciences, linguistics, logic, mathematics, psychology, statistics, and technology-related studies.

b. Demonstrate how tools of .............. [name: your science, mathematics, technology, or formal analysis] can be used to analyze problems and develop solutions.

c. Articulate and evaluate the empirical evidence supporting a theory in .............. [name your discipline or field.

d. Articulate and evaluate the impact of .............. [specify your discipline or field] discoveries on the contemporary world, including issues of .............. [specify pertinent issues of personal privacy, security, or ethical responsibilities or those of a similar nature].

e. Understand the scientific principles underlying matters of policy or public concern in which .............. [specify your discipline or field] plays a role.