

Energy SnackdownTM

Pre-Assess Skills

Baseline data can serve as a pre-assessment of student knowledge. Each category (transportation, food, electricity, recyclables) for the baseline worksheet requires mathematical skills such as addition and subtraction, as well as reasoning and estimation.

Assessment Strategies

How will you know that students have understood the concept?

- Students will have acquired a student partner that has committed to energy conservation.
- Students will demonstrate energy conservation choices in all aspects of their lives.
- School facilities will show energy cost savings over time, but especially during the time of implementation.
- Students will be active brokers for the environment by presenting to other groups of students, interested parents, other schools, and local civic, religious, and municipal organizations.

Formative Assessment

Student participation will be used for formative assessment. Student participation on the Web site can be checked for clarity and accuracy of data as well as level of activity. The on-line forum and data collection will be an ideal environment to allow for seamless data collection and analysis. This will allow student to quickly see what the consequences of their choices have been and make adjustments to their choices moving forward. This is powerful formative assessment because it means instantaneous feedback on the decisions students make. However, it does require students to enter their data regularly, or record their data regularly.