

Activity name: Calories Out vs. Food Cost

This activity is meant to provide a real-world application of the ATEEC Recommended Core Curriculum's math, science, technical, communications, or critical thinking knowledge and skill concepts, which have been identified by the ATEEC Fellows as necessary preparation for environmental technology occupations.

Appropriate for which course(s)? Introductory Science

Concept/skill learned (i.e. from K/S Tables): Make comparative judgements from data; interpret data generated; identify, assimilate, and integrate information from diverse sources

Approximate time to complete activity: Introduce task: 15 minutes, homework time to collect data, partial class periods to work on task - total time 1-2 weeks

Source of idea or activity (for published source, please include author, title, publisher, date): Brainstorming session with other teachers and with Dr. Ed Brown

Materials/resources needed (equipment, print media, electronic media, videos, supplies, etc.): Access to a supermarket

Description of activity: Students will need to survey foods in a supermarket to determine which foods give them the most energy for the least amount of money. In order to work with unit analysis, the answers could be requested in cost/cal, cost/Cal, cost/J, cost/kJ, etc.

Related activities: Energy in the food vs. the energy needed to make the packaging.

Activity submitted by: Robin Ritter

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