

Reducing Solid Waste for a Healthier Tomorrow Module

Objectives

- Evaluate explicit and implicit viewpoints, values, attitudes, and assumptions concealed in speech, writing, and illustration
- Articulate the position of self and others using experiential and material logic
- Gather information from a variety of sources; analyze and evaluate the quality and relevance of the source; and use it to answer complex questions
- Collaborate effectively as group members or leaders who listen actively and respectfully pose thoughtful questions, acknowledge the ideas of others, and contribute ideas to further the group's attainment of an objective
- Understand solid waste management is a global problem that can only be solved if individuals take action in their own lives and in their own communities

Colorado Standards

Grade	Subject	Expectation
6 th	Oral Expression & Listening	Successful group discussions require planning and participation by all
6 th	Reading for All Purposes	Organizing structure to understand and analyze factual information
6 th	Research & Reasoning	Individual and group research projects require obtaining information on a topic from a variety of sources and organizing it for presentation
6 th	Research & Reasoning	Assumptions can be concealed, and require identification and evaluation
6 th	Research & Reasoning	Monitoring thinking of self and others is a disciplined way to maintain awareness
6 th	Life Science	Changes in environmental conditions can affect the survival of individual organisms, populations, and entire species
6 th	Earth Systems Science	Earth's natural resources provide the foundation for human society's physical needs. Many natural resources are nonrenewable on human timescales, while others can be renewed or recycled

6 th	Geography	Human and physical systems vary and interact
7 th	Oral Expression & Listening	Formal presentations require preparation and effective delivery
7 th	Oral Expression & Listening	Small and large group discussions rely on active listening and the effective contributions of all participants
7 th	Reading for All Purposes	Informational and persuasive texts are summarized and evaluated
7 th	Research & Reasoning	Answering a research question logically begins with obtaining and analyzing information from a variety of sources
7 th	Research & Reasoning	Logical information requires documented sources
7 th	Research & Reasoning	Reasoned material is evaluated for its quality using both its logic and its use of a medium
7 th	Geography	Regions have different issues and perspectives
7 th	Economics	The distribution of resources influences economic production and individual choices
8 th	Oral Expression & Listening	Communication skills and interviewing techniques are required to gather information and to develop and deliver oral presentations
8 th	Oral Expression & Listening	A variety of response strategies clarifies meaning or messages
8 th	Reading for All Purposes	Quality comprehension and interpretation of informational and persuasive texts demand monitoring and selfn assessment
8 th	Research & Reasoning	Quality reasoning relies on supporting evidence in media
8 th	Life Science	Human activities can deliberately or inadvertently alter ecosystems and their resiliency
8 th	Geography	Conflict and cooperation occur over space and resources

STEM Connections

Science – Students will explore the human use of natural resources and the impact solid waste has on environments and ecosystems.

Technology – Students will investigate different types of technology for reducing, reusing, recycling, and managing solid waste.

Engineering – Students will consider how people (including themselves) can design solutions for growing waste problems