

▶ WASTE MINIMIZATION – GRADE 2

Big Ecological Idea #1:

Clean air and clean water are very important for the health of all living things - but we can spoil the air and water by polluting it.

- a) The water we use every day comes from our local watershed (e.g., lakes, rivers, groundwater etc.). This water flows all through our district, around our homes, businesses, farms and recreation areas. Sometimes we swim and fish in the same water that is cleaned to become our drinking water and used to dispose of our human waste. The plants and animals that live in and around our watersheds help to keep them clean. Water treatment plants purify our water so that it is safe to drink. Whatever we put into our air and water affects people, plants and animals.

Clustering of Expectations

SCIENCE & TECHNOLOGY—Understanding Matter and Energy: Properties of Liquids and Solids (2007)

- 1.1 assess the ways in which liquids and solids in the home are used, stored, and disposed of in terms of the effect on personal safety and health of the environment, and suggest responsible actions to replace inappropriate practices

SCIENCE & TECHNOLOGY—Understanding Earth and Space Systems: Air & Water in the Environment (2007)

- 1.1 assess the impact of human activities on air and water in the environment, taking different points of view into consideration, and plan a course of action to help keep the air and water in the local community clean
- 1.2 assess personal and family uses of water as responsible/efficient or wasteful, and create a plan to reduce the amount of water used, where possible
- 2.2 investigate, through experimentation, the characteristics of air and its uses (*e.g., living things breathe air to stay alive...*)
- 2.3 investigate through experimentation, the characteristics of water and its uses (*e.g., living things need water to stay alive...*)
- 2.5 investigate water in the natural environment
- 3.3 describe ways in which living things, including humans, depend on air and water (*e.g., most animals, including humans breathe air to stay alive...*)