

How the Landfill Works: Solid Waste Options

5TH – 12TH Grades: Waste Education Program Students will learn about the originals of municipal solid waste, the disposal options, how landfills function, and options for communities to reduce their waste.

TENNESSEE/METRO NASHVILLE PUBLIC SCHOOLS ACADEMIC STANDARDS	Grade
SCIENCE: Embedded Technology & Engineering	
GLE 0507.T/E.1 Describe how tools, technology, and inventions help to answer questions and solve problems. GLE 0507.T/E.2 Recognize that new tools, technology and inventions are always being developed. GLE 0507.T/E.3 Identify appropriate materials, tools and machines that can extend or enhance the ability to solve a specific problem. GLE 0507.T/E.4 Recognize the connection between scientific advances, new knowledge, and the availability of new tools and technologies.	5
GLE .. 07.T/E.1 Explore how technology responds to social, political, and economic needs. GLE .. 07.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting. GLE .. 07.T/E.3 Compare the intended benefits with the unintended consequences of a new technology	6, 7, 8
CLE 3210[3204][3260][3255].T/E.1 Explore the impact of technology on social, political and economic systems. Biology 1, Earth Sciences, Ecology, Environmental Science,	
SCIENCE: Life Science: Standard 2 - Interdependence GLE 0507.2.3 Establish the connections between human activities and natural disasters and their impact on the environment.	5
SCIENCE: Earth and Space Science: Standard 7- The Earth GLE 0707.7.6 Evaluate how human activities affect the earth's land, oceans, and atmosphere.	7
ECOLOGY: Standard 6: Humans and Sustainability CLE 3255.6.4 Identify and explain choices you can make to lessen your impact on the environment.	Ecology
ENVIRONMENTAL SCIENCE: Standard 4 – Water and Land Resources CLE 3260.4.2 Explore best management practices related to water and soil resources. CLE 3260.4.4 Evaluate the impact of human activities on natural resources.	Environmental Science
ENVIRONMENTAL SCIENCE: Standard 6 – Waste Production & Pollution CLE 3260.6.1 Investigate the causes, environmental effects, and methods for controlling/preventing land, air and water pollution. CLE 3260.6.4 Research local and national environmental legislation related to protecting land, air and water resources. CLE 3260.6.5 Research local and state methods used for solid waste reduction, recycling and disposal; compare them to methods used in other developed countries	Environmental Science
ENVIRONMENTAL SCIENCE: Standard 7 – Global Change & Civic Responsibility CLE 3260.7.1 Explain how consumer choices in Tennessee impact jobs, resources, pollution and waste here and around the world.	Environmental Science
SOCIAL STUDIES: Contemporary Issues: Standard 3.0 Geography 3.1 understand the current debates on environmental usage and protection issues.	9-12

REGISTRATION FORM FOR METRO BEAUTIFICATION PROGRAMS

Email: Jeffrey.ezell@nashville.gov OR Fax this form to: 862-8799 OR

Mail this form to: Education Programs Metro Beautification, 750 S 5th St., Nashville, TN 37206

MNPS Schools – You may use Metro Mail!

Schedule online at: www.nashville.gov/beautification/forms/program_registration.aspx

Name of Requested Program: How the Landfill Works: Solid Waste Options

NAME OF SCHOOL: _____

ADDRESS OF SCHOOL: _____

TEACHER CONTACT: _____

PHONE : _____

EMAIL: _____

DATE REQUESTED: _____

1ST CHOICE

2ND CHOICE

3RD CHOICE

PROGRAM SCHEDULING INFORMATION:

Note: Programs are 1 hour. Max 4 classes/day.

Starting Time	Teacher	Room	# of Students	Grade Level