

# Social Studies Content

## Geography and Environmental Literacy Strand

[www.wakegov.com/recycling/schools](http://www.wakegov.com/recycling/schools)

### Kindergarten:

#### **K.G.2 Understand the interaction between humans and the environment.**

*K.G.2.2 Explain ways people use environmental resources to meet basic needs and wants (shelter, food, clothing, etc.)*

Hands-on Kits: Trash Sort; “What am I Made Of” Matching

In-school Presentations: Feed the Bin Recycling; Closing the Loop

### Grade 1:

#### **1.G.2 Understand how humans and the environment interact within the local community.**

*1.G.2.1 Explain ways people change the environment (planting trees, recycling, cutting down trees, building homes, building streets, etc.).*

Hands-on Kits: Trash Sort; “What am I Made of” Matching; Plastics Sight Words; Wartville Wizard book interactive reading (theme: anti-litter)

In-school Presentations: Feed the Bin Recycling; Closing the Loop

### Grade 2:

#### **2.G.2 Understand the effects of humans interacting with their environment.**

*2.G.2.1 Give examples of ways in which people depend on the physical environment and natural resources to meet basic needs.*

*2.G.2.2 Explain how people positively and negatively affect the environment*

Hands-on Kits: Trash Sort; “What am I Made of” Matching; Wartville Wizard book interactive reading (theme: anti-litter),

In-school Presentations: Feed the Bin Recycling, Closing the Loop;

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### Grade 3:

#### **3.G.1 Understand the earth's patterns by using the 5 themes of geography: (location, place, human-environment interaction, movement and regions)**

*3.G.1.3 Exemplify how people adapt to, change and protect the environment to meet their needs.*

Hands-on Kits: Timely Trash Sentence Strips; Sequencing Recycling at Our School; Build a Landfill Model; All About Plastics; Wartville Wizard interactive book read (anti-litter focus)

In-school Presentations: Feed the Bin Recycling; Closing the Loop; Starve the Landfill; All About Plastics

Field Trips: Recycling Center (MRF) Tour, Landfill Tour; Virtual Landfill Tour on disc

Other Resources: 86-it Anti-Litter Cleanup Kit

### Grade 4:

#### **4.G.1 Understand how human, environmental and technological factors affect the growth and development of North Carolina.**

*4.G.1.2 Explain the impact that human activity has on the availability of natural resources in North Carolina.*

*4.G.1.3 Exemplify the interactions of various peoples, places and cultures in terms of adaptation and modification of the environment.*

Hands-on Kits: Landfill Reading and Problem Solving (concepts: expository reading, word problem-solving), Make-a-MRF: Build Your Own Recycling Facility, Buy-Recycled Friendly Letter-writing; Plastics Poetry; Living Bar Graph; Wartville Wizard interactive book read;

In-school Presentations: Starve the Landfill; All About Plastics; Close the Loop

Field Trips: Recycling Center (MRF) Tour, Landfill Tour; Virtual Landfill Tour on disc

Other Resources: 86-it Anti-Litter Cleanup Kit

### Grade 5:

#### **5.G.1 Understand how human activity has and continues to shape the United States.**

*5.G.1.2 Explain the positive and negative effects of human activity on the physical environment of the United States, past and present.*

Hands-on Kits: Building a Landfill Model, Garbage Pizza, Evaluating Waste Streams; Timely Trash History Strips,

In-school Presentations: Starve the Landfill; All About Plastics; Close the Loop

Field Trips: Recycling Center (MRF) Field trips, South Wake Landfill Field Trips

Other Resources: 86-it Anti-Litter Cleanup Kit

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### Grade 7:

#### **7.G.1 Understand how geography, demographic trends, and environmental conditions shape modern societies and regions.**

*7.G.1.1 Explain how environmental conditions and human response to those conditions influence modern societies and regions (e.g. natural barriers, scarcity of resources and factors that influence settlement).*

*7.G.1.3 Explain how natural disasters (e.g. flooding, earthquakes, monsoons and tsunamis), preservation efforts and human modification of the environment (e.g. recycling, planting trees, deforestation, pollution, irrigation systems and climate change) affect modern societies and regions.*

Hands-on Kits: Life Cycles of Aluminum and Paper, Evaluating Waste Streams, Garbage Pizza, Buy Recycled Business Letter-writing, Make-a-MRF; All About Plastics Unit (online)

In-school Presentations: Adventures in Recycling Presentation, Adventures in Solid Waste: Landfills Presentation

Field Trips: Recycling Center (MRF) Field trips, South Wake Landfill Field Trips

### Grade 8:

#### **8.G.1 Understand the geographic factors that influenced North Carolina and the United States.**

*8.G.1.3 Explain how human and environmental interaction affected quality of life and settlement patterns in North Carolina and the United States (e.g. environmental disasters, infrastructure development, coastal restoration and alternative sources of energy).*

In-school Presentation: Adventures in Solid Waste: Landfills

Field Trips: South Wake Landfill Field Trip (focus: waste-to-energy)