

FEED THE BIN

School Recycling Program
Wake County Solid Waste Management
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<http://www.wakegov.com/recycling/schools>

Request your presentation or program on-line! Visit www.wakegov.com/recycling/schools and click on "Online Scheduling". View this program brochure and our availability calendar, then complete the form and submit!



Feed the Bin is a Wake County School Recycling Program funded and operated by Wake County Solid Waste Management Division in partnership with the Wake County Public School System Schools and charter schools.

For technical /logistical support and assistance please call or email the Program Coordinator:

(919)856-6006
feedthebin@wakegov.com

Wake County Environmental Services

Solid Waste Management Division

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FEED THE BIN

Feed the Bin Program Presentations 2011-2012



Recycling
education
stewardship

Elementary School Level



Program Options

Programming is very flexible to work within each individual school's bell schedule. To reach the largest number of students at one time we recommend full-school assemblies at the elementary age level. Assemblies are broken down into 2 separate groups held back-to-back on the same day:

Grades K-2 (25-30 minutes)

Grades 3-5 (25-30 minutes)

*Year-round may schedule a second date to accommodate track-outs.

For small group presentations we ask that multiple sessions or classes run back-to-back on the same day. Science Nights, Open House, or other school events may also be scheduled in the evenings and is dependent on presenter availability.



Full-School Assembly (30-minutes)

Feed the Bin* (Recommended for grades K-5)

Meets Standards: Science 1.L.1.3; 1.G.2.1; 2.G.2.2; 3.G.1.3; 4.P.1.1; 4.L.1.3; 5.G.1.2

Reviews how-to recycle paper, cans/bottles with Feed the Bin

Looks at how recycling is sorted at the MRF

Includes the prize wheel or a visit from our mascot!

* All new program schools must select this presentation the first 2 years

Close the Loop (Recommended for grades K-5)

Meets Standards: Science K.P.2.2; 2.L.1.1; 2.L.1.2; 3.L.2.3; 4.L.1.3;

Social Std 1.G.2.1; 5.G.1.2

Ties in animal life cycles to the recycling process as a "closed-loop cycle"

Looks at how recycling plastic, paper, & aluminum are recycled

Includes the prize wheel!

Starve the Landfill (Recommended for grades 4-5)

Meets Standards: Social Std 4.G.1.2; 4.G.1.3; 5.G.1.2; Science 4.L.1.3,

Health 4.PCH.1.2, Lang Arts CCSS RL.4.10, RL.5.10

Participate in an interactive poetry reading

Learn how a landfill is made and how it protects human health and the environment

Includes the prize wheel!

The Three R's: Reduce, Reuse, Recycle (Recommended for grades 3-5)

Meets Standards: Math 3.NBT.1; 4.OA.2; 5.NBT.7

A "conversational presentation" that goes beyond recycling to define reducing and reusing. Real-world math example on reducing packaging, with review of what to feed the bin

Includes recycling riddles and prizes!

Small Group Presentation Activity

Recycling Club Mini-Workshop (1-hour +)

Meets Standards: Social Std 3.C&G.2.2, 3.C&G.2.3; 4.G.1.2, 4.G.1.3; 5.G.1.2;

Student group will work together to evaluate their current school recycling efforts and learn ideas on how to improve or enhance recycling participation among students and staff. Hands-on activities are showcased so the group can teach other students about best practices. (Data collection can also be included if presenter arrives during student team pick up. Allow extra time).

Composting & Soil (Grade 3 & 5; 30-45 minutes)

Meets Standards: Science 3.L.2.1— 3.L.2.4; Social Std 3.G.1.3

Gr. 3- Learn what compost is, how it's used; Review 3 basic soil types. Gr. 5— identify types of decomposers and how they work in compost; Interactive activities/games are used. Back-to-back classroom presentations are recommended for effectiveness.

86ers-In-Training (1-hour) formerly Litter Academy

This program is no longer available

All About Plastics (Grades 4-5 only; 30 mins-1 hour)

Meets Standards: Social Std 4.G.1, 5.G.1.2; Math 3.MD.3; Science 4.P.2.1, 5.P.2.3

Students learn hands-on about the 7 types of plastics, the origin and uses of plastic and our responsibility to recycle it. Inferring and mathematical graphing are used during the activities.

Middle/High School Level

Program Options



Middle and High school level programs are small group/class presentations. Length of presentation/activity runs 30 to 90 minutes and can be adjusted to fit your school schedule. Multiple class periods can be arranged if the presenter has availability.

Due to the in-depth, interactive nature of these presentations we ask that groups be no larger than one-classroom size of students. Special requests for other solid waste and recycling topic areas can also be addressed to meet AP class needs (e.g. waste-to-energy).

Adventures in Solid Waste: Recycling

Recommended for grades 6-12

Where does our recyclables go? How do they get turned into new products? What kind of new products? What do all of the different recycling symbols mean?

Students will learn about the recycling process; How recycling benefits the environment; How recycling benefits the local and national economy; review information about their school's recycling efforts.

Adventures in Solid Waste: Landfills

Recommended for grades 6-12

Students will go on a virtual tour of Wake County's South Wake Landfill to learn how it was constructed to protect the health of citizens & the environment, how it's used to generate electricity, and how they can dispose of banned items properly. A hands-on interactive activity is included in the discussion along with the review of their school's recycling efforts.

Adventures in Solid Waste: combo

Recommended for grades 9-12

This presentation combines both topics in one! Students will learn about recycling and landfills and how they are connected to one another in reducing waste.

Recycling Club Mini-Workshop (1-hour)

Maximum 30 students

Working with the Recycling Coordinator and student recycling club/team we will review and assess the current plan at the school and create solutions or ideas to improve or enhance the participation of students and staff. Participants will also gain background knowledge of the recycling process with ready-to-use materials or ideas to implement.

*Note: depending on amount of support needed a second meeting may be required.

All About Plastics: Explorations

Recommended for grades 6-8

This program focuses on the seven types of plastics and how its physical and chemical properties can determine its usefulness and ability to be recycled. Students will identify each type, graph their observations in a "human bar graph", and take part in a water density experiment.

Maximum of 30 students; 45 minutes-1 hour required

Out-in-the-Field Experiences

***for reservations or more information related to the water quality testing or youth council programs below contact Feed the Bin Program Coordinator.

Water Quality Testing

Recommended for Env. Science classes or small environmental groups/clubs (High School ONLY)

Allow your students some hands-on experience with water quality monitoring and testing. Students will have the opportunity to perform chemical and biological water quality testing on site at our restored stream. Groups will meet at the South Wake Landfill's restored stream and spend about 45 minutes exploring the stream and generating data. All classroom testing equipment is provided, field trips available year-round.

Environmental Youth Council

For rising 10-12th graders. By application only

Wake County's Environmental Services Youth Council provides members with in-depth discussions and investigations into a variety of environmental topics (recycling, solid waste, green buildings, energy, etc.) along with a community service component. In its second year, 15-20 Wake County students will travel to various locations to discuss topics and gain a deeper appreciation of the various issues surrounding environmental sciences.