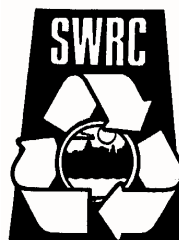


# Brightwater Waste Not Edukit 2003

by  
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The Compost Demonstration Project was initiated by Sue Voitka-Seager at Caswell Community School. When she was transferred, the project was embraced by Donna Blunt, Community School Coordinator with the support of Dr. Wipf and the staff.

Various staff and board members of the Saskatchewan Waste Reduction Council have been instrumental in helping with the project. First and foremost is Judy Montgomery who along with Louise Jones, initiated the waste minimization efforts and composting project at Brightwater. Judy helped this project along by teaching me the waste audit component at camp, taking photos and participating in discussions about the project. Joanne Fedyk, administered the funds and edited the material. Joan Harrison, Martha Hollinger, Eve Casavant, Dwight Mercer and Kevin Acton all from the Saskatchewan Waste Reduction Council provided encouragement, information and recommendations about the activities provided in this kit.

# Introduction

This manual is part of the larger Edukit which has component parts at the Saskatoon Public School Division Resource Library and Brightwater Science and Environmental Centre. The intent of this manual is to empower teachers and students in their efforts to reduce waste at Brightwater camp, their classroom, school and home.

There are five sections to the manual. The first is for teacher information which includes lesson plans and how to use the Edukit and manual. The second section deals with composting. It has a maze, word search and game. There is also composting information. The next section is about waste. It is called Waste Archaeology because the students become archaeologists to dig deeper into examining their knowledge about waste and the environmental impact. A section for parents is included with information about the Brightwater camp experience and parents role at camp. There is a sample letter to explain the waste audit, posters and a meal planning guide in this section. More information is provided in the final section to help explain how to use the Edukit contents, Garbage Patrol play and resources and references.

The equipment needed to conduct the waste audit and composting demonstration are stored at camp. There are two Garbage Patrol plays. One script and cassette are kept in the Edukit at the School Division Resource Library. The other one is kept at camp along with a few props so that you can put on an evening performance during your stay. You may want to develop your own props at school or camp.

Posters, books, product samples, videos and stamps are some of the other material found in the Edukit. Our hope is that these will be used to augment your investigations into waste minimization practices at camp, in your school and at home in our community.

# Curriculum Connections

This manual and kit complement the science curriculum from Grades One through Eleven. The kit contains activities and suggested extensions that can be applied to the recommended units.

<b>Grades K-5</b>	<b>Grade 6</b>	<b>Grade 7</b>	<b>Grade 8</b>	<b>Grade 9-12</b>
Plant Growth (Gr. 2)	Ecosystems	Basics of Life	Energy Resources in Saskatchewan	Saskatchewan - the Environment (Gr. 9)
Plant Structure and Adaptation (Gr. 3)	Growth and Development	Resource Use	Plant Growth	Conserving Water and Aquatic Habitat (Gr. 10)
Plant Diversity (Gr. 4)	Earth's Climate	Microorganisms		Earth Environmental Science (Bio.10)
Vertebrates & Invertebrates (Gr. 4)		Renewable Resources in Saskatchewan		Ecological Organization (Bio. 20)
Communities & Ecosystems (Gr. 5)				

# **Edukit Contents**

Edukit Manual  
Garbage Patrol Play and Cassette  
The Magic School Bus Meets the Rot Squad Book  
Compost This Book!  
Worms Eat Our Garbage Book  
Too Good to Waste Handbook  
Wormania! Video  
Recycling With Worms Video  
Take Action On Waste Recycle Poster  
Recycling Corner Poster  
The Landfill Starts Here Poster  
National Compost Awareness Week Poster  
International Compost Awareness Week Poster  
Compost - The Future Starts Here Poster  
Too Good to Waste Poster  
No Garbage Stamps (5)  
Stamp Pads (4)  
Automobile Fluff in plastic container  
Plastic Chip (#2,5,7) in plastic container  
Recycling Paper Insulation in plastic container  
Carpet sample, T-Shirt and Carrying Bag from recycled PET bottles  
PET soft drink bottle performs and pellets, Manual  
Earth Songs cd  
4R's Recycling for Classroom Lesson

## **Brightwater Edukit Contents**

Waste Audit Lesson Plan  
Recycling Information Poster  
Fruit / Vegetable Compost Poster  
Recording on the Form Poster  
Using the Scale Poster  
The Landfill Starts Here Poster  
Take Action On Waste Recycle Poster  
Garbage Patrol Play, Cassette and Ten Song Sheets  
Ties, Scarves, Litterbug Headbands, Vest, Visor, Metal Belt, Disposable dishes props  
Bicycle, Engine, Shopping Cart, Sun, Moon, Bottles on paper props  
Earth Songs cd  
68 l Plastic Totes with lids (7)  
Gloves, Rags, Cleaning brush  
Compost Thermometer, Compost Aerator, Magnifying lenses in plastic container (6)

# **How to Use This Manual and Edukit**

Use this manual as a supplement to your classroom work on the environment, plant growth and development, waste reduction and especially in your preparations to camp at Brightwater Science and Environmental Centre. You will find reproducible worksheets, lesson plans, compost bin plans, Vermicomposting information and a resource list.

The kit is divided between the Public School Division offices and the Brightwater Science and Environmental Centre. The reason for this is so that material is readily available when you go camping. You may decide that one of your camp sessions will be the waste audit. All of the materials you will need will be available at camp, but the lesson plan is contained in this manual. To assist you in your planning, a section directed towards the parents is provided. In this section you will find a sample letter that you may want to send to parents regarding the waste audit. This section is intended for the parents to read in their preparations to attend camp.

Other activities you may wish to do at camp might include working with the compost system. You will find materials such as a compost thermometer and turner on hand at Brightwater to assist you in your investigations. For the evenings, a musical play called Garbage Patrol can be practiced and acted in a Reader's Theatre fashion. Simple props, ten song sheets and a musical cassette are available at the camp to enhance the play.

The other part of the kit is kept at the Curriculum Resources Centre in the School Division offices. In it you will find books, videos\*, posters, stamps, product samples, Waste Not Jeopardy Game CD-R, the contents of this manual in PDF files on a CD-R, and a second copy of the Garbage Patrol Play and Cassette. This manual details the contents of the Brightwater Waste Not 2003 Saskatchewan Waste Reduction Council Edukit. If you find that some contents are missing, please contact the Project Leader at Brightwater Science & Environmental Centre or the staff at the Curriculum Resources Centre.

\*Please Preview the videos before showing them to your students.

# Compost Demonstration Site

Caswell Community School composts its food waste. It is a demonstration site within the Saskatoon Public School System having both outdoor compost bins and indoor Vermicomposting bins. The school boasts three outdoor compost bins which are maintained by students with the assistance of the teachers, custodian and community volunteers.

If you are considering starting a composting system in your school, it is important to talk to as many people as possible prior to getting started. Please contact the staff at Caswell Community School, similar demonstration schools or the Saskatchewan Waste Reduction Council for assistance.

